

**2022-2023 THE UNIVERSITY OF ALABAMA UNDERGRADUATE  
CATALOG**

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# UNDERGRADUATE CATALOG

## About the University

### Our Mission

The University of Alabama will advance the intellectual and social condition of the people of the state, the nation, and the world through the creation, translation, and dissemination of knowledge with an emphasis on quality programs in the areas of teaching, research, and service.

### Our Vision

The University of Alabama will be known as the university of choice for the best and brightest students in Alabama, and all students who seek exceptional educational opportunities. The University of Alabama will be a student-centered research university and an academic community united in its commitment to enhance the quality of life for all Alabamians and the citizens of the nation and the world.

### Our Strategic Goals

The goals identified here are pillars of our Strategic Plan. They are designed to be high-level in nature and are built on the assumption that campus units will base their planning efforts on this overarching strategic plan. Some of the strategies necessary to facilitate the University's plan are college and department based, while others are Universitywide initiatives.

- Provide a premier undergraduate and graduate education that offers a global perspective and is characterized by outstanding teaching, high-quality scholarship, and distinctive curricular and co-curricular programs.
- Increase the University's productivity and innovation in research, scholarship, and creative activities that impact economic and societal development.
- Enrich our learning and work environment by providing an accepting, inclusive community that attracts and supports a diverse faculty, staff, and student body.
- Provide opportunities and resources that facilitate work-life balance and enhance the recruitment and retention of outstanding faculty and staff.

### Location

The University of Alabama is located in Tuscaloosa, a city with a metropolitan population of about 100,000 in the west-central part of the state. The post office address of The University of Alabama is Tuscaloosa, AL 35487. University grounds include more than 1,300 acres. The University maintains a center in Gadsden and a governmental relations office in Montgomery. Separate campuses of the University have been established in Birmingham and Huntsville. These campuses are known as The University of Alabama at Birmingham and The University of Alabama in Huntsville.

## Divisions of the University

### Vice Presidents' Offices

- Academic Affairs
- Community Affairs
- Diversity, Equity and Inclusion
- Finance and Operations
- Research and Economic Development

- Strategic Communications
- Student Life
- University Advancement

### Academic Units

- College of Arts and Sciences
- Culverhouse College of Business
- College of Communication and Information Sciences
- College of Community Health Sciences
- College of Continuing Studies
- College of Education
- College of Engineering
- Graduate School
- Honors College
- College of Human Environmental Sciences
- School of Law
- Capstone College of Nursing
- School of Social Work

### Support Units

- Capstone Center for Student Success
- Capstone International Center
- Center for Instructional Technology
- College of Continuing Studies
- Libraries at The University of Alabama
- Oak Ridge Associated Universities
- Office of Disability Services
- Office of Information Technology
- Office of Institutional Research and Assessment
- Office of Undergraduate Admissions
- Office of the University Registrar
- Technology and Testing
- University of Alabama Press
- University Writing Center

### Accreditation

The University of Alabama is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award baccalaureate, master's, education specialist, and doctoral degrees. Questions about the accreditation of The University of Alabama may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling 404-679-4500, or by using information available on SACSCOC's website ([www.sacscoc.org](http://www.sacscoc.org)).

In addition, selected programs have been accredited by the AACSB International-The Association to Advance Collegiate Schools of Business; ABET, Inc.-Engineering Accreditation Commission; Accrediting Council on Education in Journalism and Mass Communication; American Bar Association; American Library Association; Alabama State Department of Education; Alabama Department of Public Health; Accreditation Council for Graduate Medical Education; American Psychological Association; American Speech Language-Hearing Association; Commission on Accreditation of Athletic Training Education; Accreditation Council for Education in Nutrition and Dietetics; Commission on Collegiate Nursing

Education; Commission on English Language Program Accreditation; Computing Accreditation Commission; Council on Social Work Education; Council for Interior Design Accreditation; Council for Accreditation of Counseling and Related Education Programs; Council for the Association for Educator Preparation; Liaison Committee for Medical Education; National Association for the Education of Young Children; National Association of School Psychologists; National Association of Schools of Art and Design; National Association of Schools of Music; National Association of Schools of Dance; National Association of Schools of Theatre; Council for the Accreditation of Educator Preparation; and NASPAA – Network of Schools of Public Policy, Affairs, and Administration.

## History of the University

### 1818-1820

In 1818, the federal government authorized Alabama Territory to set aside a township for the establishment of a "seminary of learning." Alabama was admitted to the Union on March 2, 1819, and a second township was added to the grant. On December 18, 1820, the seminary was officially established and named "The University of the State of Alabama."

### 1827

Tuscaloosa, then the state's capital, was chosen as the University's home.

### 1831

On April 12, inaugural ceremonies were held, and on April 18 the first students began to enroll. By May 28, 52 students had enrolled. The campus consisted of seven buildings: two faculty houses, two dormitories, the laboratory, the hotel (now Gorgas House) and the Rotunda.

### 1837

The University of Alabama became the first in the state to offer engineering classes. It was one of the first five in the nation to do so and one of the few to have continuously maintained accreditation since national accreditation began in 1936.

### 1841

President's Mansion was completed. Its first occupant, Basil Manly, was the University president from 1837 to 1855.

Total University enrollment: 63

### 1850

Alabama Alpha chapter of Phi Beta Kappa established.

### 1851

Total University enrollment: 126

### 1859

Medical College branch of the University opened in Mobile.

### 1860

The University of Alabama became a military school – martial departmental and disciplinary systems established.

### 1861

Total University enrollment: 154

### 1865

Union troops spared only seven of the buildings on the UA campus. Of the principal buildings remaining today, the President's Mansion and its

outbuildings still serve as the president's on-campus residence. The other buildings have new uses. Gorgas House – at different times the dining hall, faculty residence and campus hotel – now serves as a museum. The Roundhouse, then a sentry box for cadets and later a place for records storage, is a campus historical landmark. The Observatory, now Maxwell Hall, is home to the Computer-Based Honors Program.

### 1868

The Medical College reopens in Mobile.

### 1871

During the Reconstruction era, a reorganized University opened to students.

Total University enrollment: 107

### 1872

The School of Law was established.

### 1881-82

Antecedents of the UA College of Engineering were established with the offering of a formal, two-year course of study in civil engineering under the aegis of applied mathematics in 1837. The College of Engineering was established in 1909 with the opening of B.B. Comer Hall.

Total University enrollment: 154

### 1891

Total University enrollment: 167

### 1892

The University's first football team assembled – the "Thin Red Line" that later became the "Crimson Tide."

### 1893

The first female students enrolled for the fall semester at the University. This was due in large part to the successful lobbying of the UA board of trustees by Julia S. Tutwiler. Tutwiler, then president of the Livingston Normal College for Girls, was a lifelong advocate of women's rights to be self-supporting members of society.

### 1894

The student newspaper, *The Crimson White*, makes its first appearance.

### 1901

Total University enrollment: 396

### 1903

In March, the Alabama Legislature decreed that, after 30 years of student protest, the military system of organization at the University be abandoned.

### 1904

A summer school for teachers began in response to a need for better public education in Alabama, becoming the School of Education in 1909. The College of Education was established in 1929.

### 1906

At the University's diamond jubilee celebration, President John William Abercrombie presented to the board of trustees his plans for the Greater University fund-raising campaign, thus ensuring that the state legislature would no longer be the primary source for financing the University's growth.



**1909**

To meet the demands for specific training in two professions, the College of Engineering and the School of Education were established. Formerly part of the liberal arts disciplines, these new offspring would function independently of the now-reorganized College of Arts and Sciences.

**1910**

The Alabama Museum of Natural History in Smith Hall was dedicated. Smith Hall served as a geological museum for the University's growing collections and still houses the Museum today.

**1911**

Total University enrollment: 571

**1912**

Dr. George Denny became University president; the campus consisted of 652 students and nine principal buildings. His presidency began an era of unprecedented physical and enrollment growth. When he retired in 1936, there were more than 5,000 students and 23 major buildings which now form the central core of the modern campus.

**1914-15**

The University band was organized.

**1919**

The School of Commerce was founded. It became the College of Commerce and Business Administration in 1929. It was renamed the Culverhouse College of Commerce and Business Administration in 1997. In 2013, the name was shortened to the Culverhouse College of Commerce. In 2018, the name was changed to the Culverhouse College of Business.

**1920**

The Medical College moved from Mobile to Tuscaloosa.

**1921**

Total University enrollment: 2,134

**1924**

The Graduate School was officially established.

**1929**

Denny Chimes was dedicated. Named for Dr. George H. Denny, president of the University from 1912 to 1936.

**1931**

The School of Home Economics was officially established. It became the College of Human Environmental Sciences in 1987.

Total University enrollment: 4,639

**1939**

Moundville Archaeological Park and its museum opened to the public.

**1941**

Total University enrollment: 4,921

**1945**

The Medical College moved from Tuscaloosa to Birmingham.

The University Press was formed.

**1948**

Introduction of doctoral programs was authorized; first doctorates awarded in 1952.

**1951**

Total University enrollment: 5,269

**1956**

The University of Alabama's first African-American student, Autherine J. Lucy, was admitted. She was expelled three days later "for her own safety" in response to threats from a mob. In 1992, Autherine Lucy Foster graduated from the University with a master's degree in education. That same day, her daughter, Grazia Foster, graduated with a bachelor's degree in corporate finance.

**1961**

Total University enrollment: 8,257

**1963**

The first sustained enrollment of African-American students at UA – Vivian J. Malone and James A. Hood – was achieved. Vivian Malone graduated in 1965. James Hood returned to campus in 1995 and received a PhD in interdisciplinary studies in 1997.

**1965**

The School of Social Work was established.

**1968**

The Computer-Based Honors Program, in which undergraduate students apply computer technology to research in a wide range of fields, was established.

**1969**

The Graduate School of Library Service was established by act of the Alabama Legislature. It became the School of Library and Information Studies in 1989. The School merged with the College of Communication in 1997 to become the College of Communication and Information Sciences.

**1970**

New College was established to allow students to pursue individualized courses of study while maintaining the academic standards of the University.

**1971**

The College of Community Health Sciences was established.

Total University enrollment: 13,055

**1973**

The School of Communication was established. It became the College of Communication in 1988 and, when it merged with the School of Information Sciences, was renamed the College of Communication and Information Sciences in 1997.

**1976**

The Capstone College of Nursing was established.

**1981**

The University celebrates its sesquicentennial.

Total University enrollment: 16,388

**1983**

The College of Continuing Studies was established. In the 1970s it was called Extended Services, then the Division of Continuing Education.

## 1985

The MFA Program in Book Arts, with specializations in printing and binding, was established within the School of Library and Information Studies. It was one of only three in the country to offer such an MFA, and the only one to do so within the context of a library school.

## 1986

The University Honors Program was established.

The University's computerized library card catalog, AMELIA, became available for use.

## 1991

Total University enrollment: 19,366

## 1994

The Stallings Center opened as the new home of the RISE Program.

## 1996

The Blount Undergraduate Initiative was established (first freshman class accepted in 1999).

## 1998

The Second Capital Campaign was concluded, having raised a total amount of \$224 million in gifts and pledges.

International Honors Program was established.

Modeled on UA's RISE Program, the RISE School of Dallas, Texas, opened.

Renovation of Bryant-Denny Stadium was completed, increasing capacity to 82,000.

## 1999

The Student Services Center was completed.

Renovation of Sewell-Thomas Baseball Field to a capacity of 6,000 seats began.

First freshman class accepted in Blount Undergraduate Initiative. Parker-Adams Hall serves as its temporary headquarters.

## 2000

English major Bradley Tuggle from Decatur, Ala., named UA's 15th Rhodes Scholar.

Historic Barnard Hall rededicated as Oliver-Barnard Hall, the first of two Blount Undergraduate Initiative academic houses.

Construction of 1,500-seat UA Softball Complex completed.

Blount Living-Learning Center opens to its first resident class.

Construction of Alabama Institute for Manufacturing Excellence (AIME) completed.

Dance Theatre reopens after \$1 million renovation, the first since its construction in 1911.

## 2001

UA alumnus Lt. Col. Jim Kelly pilots a Discovery space shuttle mission.

For the third consecutive year, the UA School of Law ranked among the best in the nation, according to *U.S. News & World Report*.

UA and Auburn University form the "Alabama-Auburn Alliance" to support fair funding of higher education.

Tide Navigator, a Web-based registration system that is the first of its kind in the United States, debuts with incoming freshmen.

Total University Enrollment: 19,633

## 2002

UA Alumni Association establishes FATE: Future Alumni for Tradition and Excellence.

Crimson Tradition Fund established with \$10 million gift by Paul Bryant Jr.

UA named one of the top 50 public universities in the nation by *U.S. News & World Report* for 2003.

UA student Kana Ellis of Northport, Ala., selected as the first recipient of the Honors Student of the Year Award by the National Collegiate Honors Council (NCHC).

College of Community Health Sciences breaks ground for its \$12.6 million facility, designed to consolidate all services and operations of the Tuscaloosa medical campus.

## 2003

Greensboro East High School, in collaboration with UA, became the first high school in Alabama to establish a state-of-the-art Math Technology Learning Center.

Five students from UA named to the 2003 *USA Today* All-USA College Academic Team. UA students garnered the most awards of any college or university, claiming five of 83 spots on the list.

UA recognized 40 "pioneers" during three days of events to commemorate the 40th anniversary of Gov. George C. Wallace's "stand in the schoolhouse door." Opening Doors, 1963-2003

UA named one of the top 50 public universities in the nation by *U.S. News & World Report* for 2004.

UA senior Rob Davis selected as one of three 2003 Portz Scholars in the National Collegiate Honors Council's competition for outstanding undergraduate Honors papers.

Total University Enrollment: 20,333

## 2004

University Medical Center, UA's new multi-specialty clinic and home of the College of Community Health Sciences, opened on May 11.

UA named one of the top 50 public universities in the nation by *U.S. News & World Report* for 2005.

Total University Enrollment: 20,969

## 2005

Five UA students named to the 2005 *USA Today* All-USA College Academic Team, the most of any school in the nation. UA's three-year total of 14 also tops all other colleges and universities.

## 2008

Seven UA students named to the 2008 *USA Today* All-USA College Academic Team, the most of any school in the nation. UA's total of 31 tops all other colleges and universities.

Total University Enrollment: 27,052

## 2009

UA is ranked 10th in the nation among public universities in the enrollment of National Merit Scholars for the 2009 freshman class.

Total University enrollment: 28,807

**2010**

UA is ranked 6th in the nation among public universities in the enrollment of National Merit Scholars for the fall 2010 freshman class.

With a record of 10 students named to *USA Today's* 2010 All-USA College Academic Team, UA leads the nation in placing students on the national team, having placed a total of 46 students on the team since 2003.

Total University enrollment: 30,232

**2011**

UA scores a perfect four out of four with Goldwater Scholars in 2011 as all four UA students who applied were named recipients of the elite academic award. In all, UA has claimed a total of 34 Goldwater Scholars in the past 25 years.

The 2011 entering freshman class, at 5,772 students, is the largest in UA history and includes 1,614 students who had a 4.0 or higher high school grade point average. The freshman class also included 181 National Merit Scholars, ranking the University second in the nation among public universities in the enrollment of National Merit Scholars.

Total University enrollment: 31,747

**2012**

Named among the top 50 public universities in the nation by *U.S. News and World Report's* annual college listing for more than a decade, UA ranks 31st among public universities, its highest ranking ever, for 2012.

The 2012 entering freshman class, at 6,397 students, is the largest and best qualified in UA history and includes 239 National Merit Scholars.

UA's debate and forensics program wins its 19th national debate championship.

Three UA students are named Goldwater Scholars and one is named a Truman Scholar, increasing UA's totals for the last 25 years to 37 Goldwater Scholars and eight Truman Scholars.

Total University enrollment: 33,602

**2014**

Enrollment at The University of Alabama reached a record high 36,155 students.

The freshman class included 6,856 students, a 5.8 percent increase over the previous fall.

The freshman class had an average ACT score of 26.1, the highest in UA history, and included 135 National Merit Scholars and 20 National Achievement Scholars.

**2015**

The University of Alabama reached a record high of 37,100 for fall 2015. The entering freshman class, at 7,211 students, was the largest and best qualified in UA history.

More than one-third of the freshman class scored 30 or higher on the ACT, placing them in the top 5 percent of students taking the ACT.

The School of Law ranked 28th among all law schools in the nation for 2016. The School of Library and Information Studies ranked 18th nationally in the latest rankings for library schools. *PRWeek Magazine* recognized the public relations program in The University of Alabama's College of Communication and Information Sciences as one of the top five programs in the nation six times. In addition, *U.S. News and World Report* ranked The University of Alabama's Manderson Online Business Master's programs 12th in the nation.

**2016**

The Crimson Tide won its 16th national football championship.

The UA Strategic Plan: Advancing the Flagship was announced.

**2017**

Enrollment: a record-setting 38,563.

Ground was broken for the first-of-its-kind Adapted Athletics Facility.

**2018**

UA earned its 17th national football championship.

The University of Alabama is a leader among public universities nationwide in the enrollment of National Merit Scholars with more than 600 enrolled.

**2019**

The Carnegie Classification listed UA among the top doctoral research universities in the nation.

**2020**

Recognized as Top Producing Institution for Fulbright U.S. Student Award for fourth time

**2021**

For the seventh consecutive year, UA earned record external funding for research and other sponsored activities.

There were 32 major renovations and additions to campus, at a project value of \$212+ million.

**Academic Regulations****Office of the University Registrar**

The University of Alabama has long subscribed to the ethical principles for confidentiality of student records that are recommended by the American Association of Collegiate Registrars and Admissions Officers. Following passage of the Family Educational Rights and Privacy Act of 1974 (the Buckley Amendment) and as amended, the University established policies and procedures to implement that legislation. The statement of these policies can be accessed online at [registrar.ua.edu/academics-policies/ferpa](http://registrar.ua.edu/academics-policies/ferpa).

For more information, contact The University of Alabama, Office of the University Registrar, 206 Student Services Center, Box 870134, Tuscaloosa, AL 35487-0134; email [registrar@ua.edu](mailto:registrar@ua.edu); or visit [registrar.ua.edu](http://registrar.ua.edu).

**Academic Policies****Academic Bankruptcy**

Academic bankruptcy involves a student's request to retroactively withdraw from one academic term of study because of extreme personal, emotional, or financial circumstances so devastating that it was impossible for the student to perform academically at a level approximating the usual record of achievement. Read more. (p. 12)

**Academic Second Opportunity**

A student who has been separated from The University of Alabama for at least three academic years may petition the dean of his or her college to apply for readmission through Academic Second Opportunity. Read more. (p. 12)

## Change of Undergraduate College of Enrollment

A student registered in an undergraduate college of The University of Alabama who has earned fewer than 45 semester hours may change their enrollment to another undergraduate college. Read more. (p. 12)

## Credit by Examination

Credit by examination and credit for several types of out-of-class experiences are recognized by The University of Alabama. Read more. (p. 12)

## Residency for Tuition Purposes Policy

The University of Alabama defines and determines Residency for Tuition Purposes. Read more. (p. 18)

## Scholastic Progress Standard, Academic Status, Warning, and Suspension

In order to monitor students' progress toward the baccalaureate degree, The University of Alabama employs the Scholastic Progress Standard (SPS). Read more. (p. 20)

## Transfer Credit

This policy statement adheres to the guidelines set forth in the Joint Statement on the Transfer and Award of Credit developed by the American Association of Collegiate Registrars and Admissions Officers (AACRAO), American Council on Education (ACE), and the Council for Higher Education Accreditation (CHEA). Read more. (p. 21)

## Withdrawal

A student may withdraw from or drop an individual course until the end of the tenth week of a fall or spring semester, the second week of Interim session, the third week of a five-week summer session or the fourth week of a 10-week session. After this period, students are expected to maintain their course loads. Read more. (p. 24)

## Academic Bankruptcy

Academic bankruptcy involves a student's request to retroactively withdraw from one academic term of study because of extreme personal, emotional, or financial circumstances so devastating that it was impossible for the student to perform academically at a level approximating the usual record of achievement. The summer sessions are considered one academic term. The following specific regulations apply to any petition for academic bankruptcy:

- Only currently enrolled students are eligible to request academic bankruptcy.
- Academic bankruptcy is never granted for the academic term in which the student is currently enrolled, nor for the previous academic term.
- Academic bankruptcy is only granted for coursework completed during an academic term at The University of Alabama. Transfer and placement credits are not eligible for academic bankruptcy.
- Petitions must be filed prior to graduation.
- No more than one petition for academic bankruptcy may be approved during the student's academic career at The University of Alabama.
- If the petition is approved, the grades for all courses taken during the academic term in question will be recorded as "W" (Withdrawn).

A notation will be added to the student's transcript to denote the Academic Bankruptcy and the approval date.

- The application for academic bankruptcy is filed in the dean's office of the academic division in which the student is enrolled. Once a student has been enrolled in an academic division for two terms, that division has the authority to grant academic bankruptcy for a term in which the student was enrolled in another academic division.

## Academic Second Opportunity

An undergraduate student who has been separated from The University of Alabama for at least three academic years may petition the dean of his or her college to apply for readmission through Academic Second Opportunity. The petition must be received in the dean's office prior to the last day of class for the semester in which the student returns to the University. If the petition is approved, the student will be readmitted regardless of previous scholastic performance, unless separation from the University resulted from academic misconduct. In cases of academic misconduct, readmission will be reviewed by the academic dean (or his or her designee) for the school or college in which readmission is sought.

If the application for Academic Second Opportunity is accepted, all previous academic work remains on the student's permanent record, but the grades for previous institutional work are not used in computing the GPA. Grades of "C" or higher earned during previous attendance at the University are computed as "passing hours" (P) and may be applied to major program, distribution, and graduation requirements. Grades of "D" earned during previous attendance may not be applied to major program, distribution, or graduation requirements. A notation will be added to the student's transcript to denote the Academic Second Opportunity and the approval date. Academic Second Opportunity will apply only to grades earned in courses completed at The University of Alabama and will not apply to coursework transferred from other institutions.

The student then pursues his or her academic program with no University of Alabama GPA, and thereafter is subject to the conditions of warning, probation, and dismissal that govern all students. The student must complete a minimum of 15 hours in residence at The University of Alabama after Academic Second Opportunity has been awarded to be eligible for degree completion. Once invoked, Academic Second Opportunity cannot be revoked and it may be awarded only once and may not be awarded retroactively.

A student who has a degree from another institution but was previously a student at UA or who has a degree from UA is not eligible for consideration.

## Change of Undergraduate College of Enrollment

An undergraduate student registered in a college of The University of Alabama who has earned fewer than 45 semester hours may change their enrollment to another college. A student who has earned 45 or more semester hours may change enrollment to another college according to the rules established by the college to which he or she is applying. Students, in consultation with an academic advisor in the new program, should review their audit in Degree Works to determine applicability of completed coursework to the new curriculum.

## Credit by Examination

Credit by examination and credit for several types of out-of-class experiences are recognized by The University of Alabama. Credits can

be earned through satisfactory completion of one of the standardized national exams including the Advanced Placement (AP) program, the College Level Examination Program (CLEP), the International Baccalaureate (IB) program, as well as the General Certificate of Education (GCE) Advanced and Advanced Subsidiary Level exams. The credit awards listed below are subject to revisions due to changes in the testing programs and/or changes in the University of Alabama course offerings.

Credit hours earned by examination and/or out-of-class experiences are not considered University of Alabama institutional coursework, and therefore may not be applied towards fulfillment of:

- the minimum of 50 percent of the coursework required to earn a bachelor's degree at The University of Alabama that must be earned at a bachelor's degree-granting institution (four-year college or university)
- the minimum of 25 percent of the coursework required for the degree that must be earned at The University of Alabama

Courses numbered 197 indicate lower-level elective credit. Some colleges or degree programs may not allow 197 elective credit to complete degree requirements. Students should contact their college of enrollment for details.

Courses determined not to have a direct University of Alabama equivalent but deemed worthy of core credit will be indicated as TRGS followed by the corresponding core designation. The student's college of enrollment will have to grant an exception or substitution if the course should be applied to the major and/or minor.

## Advanced Placement (AP)

Examination	Minimum Score	UA Course Equivalent	Credit
Art History	4	ARH 252 & ARH 253	6
Art, Studio (2-D Design, 3-D Design or Drawing Portfolio)	4	ART 110, ART 130, ART 131, and/or ART 197	3-6 <sup>1</sup>
Biology	3	BSC 108 & BSC 109	8
Biology	4	BSC 114, BSC 115, BSC 116 & BSC 117	8
Calculus AB	3	MATH 125	4
Calculus BC	3	MATH 125 & MATH 126	8
Calculus BC- AB Subscore	3	MATH 125	4
Chemistry	3	CH 104	4
Chemistry	4	CH 101	4
Chemistry	5	CH 101 & CH 102	8
Chinese Language & Culture <sup>2</sup>	3	CHI 101 & CHI 102	8
Chinese Language & Culture <sup>2</sup>	4	CHI 101, CHI 102 & CHI 201	11

Chinese Language & Culture <sup>2</sup>	5	CHI 101, CHI 102, CHI 201 & CHI 202	14
Computer Science A	4	CS 100	4
Computer Science Principles	3	CS 104	3
English Language 3 & Composition	3	EN 101	3
English Language 4 & Composition	4	EN 101 & EN 102	6
English Literature 3 & Composition	3	EN 101	3
English Literature 4 & Composition	4	EN 101 & EN 102	6
If both English AP tests are completed <sup>3</sup>	3	EN 101 & EN 102	6
If both English AP tests are completed <sup>3</sup>	4	EN 101, EN 102 & TRGS HU	9
Environmental Science	3	GEO 105	4
European History	4	HY 101 & HY 102	6
French Language & Culture <sup>2</sup>	3	FR 102	4
French Language & Culture <sup>2</sup>	4	FR 102 & FR 201	7
French Language & Culture <sup>2</sup>	5	FR 102, FR 201 & FR 202	10
German Language & Culture <sup>2</sup>	3	GN 103	4
German Language & Culture <sup>2</sup>	4	GN 103 & GN 201	7
German Language & Culture <sup>2</sup>	5	GN 103, GN 201 & GN 202	10
Government & Politics: Comparative	3	PSC 203	3
Government & Politics: U.S.	3	PSC 101	3
Human Geography	3	GY 110	3
Italian Language & Culture <sup>2</sup>	3	IT 101 & IT 102	8
Italian Language & Culture <sup>2</sup>	4	IT 101, IT 102 & IT 201	11
Italian Language & Culture <sup>2</sup>	5	IT 101, IT 102, IT 201 & IT 202	14
Japanese Language & Culture <sup>2</sup>	3	JA 101 & JA 102	8

Japanese Language & Culture <sup>2</sup>	4	JA 101, JA 102 & JA 201	11
Japanese Language & Culture <sup>2</sup>	5	JA 101, JA 102, JA 201 & JA 202	14
Latin <sup>2</sup>	3	LA 101 & LA 102	6
Latin <sup>2</sup>	4	LA 101, LA 102 & LA 201	9
Latin <sup>2</sup>	5	LA 101, LA 102, LA 201 & LA 202	12
Macroeconomics	3	EC 111	3
Microeconomics	3	EC 110	3
Music Theory	3	TRGS HU	3
Physics 1	3	PH 101	4
Physics 2	3	PH 102	4
Physics C: Mechanics	3	PH 105	4
Physics C: Electricity and Magnetism	3	PH 106	4
Psychology	3	PY 101	3
Seminar	3	PHL 104	3
Spanish Language & Culture <sup>2</sup>	3	SP 102	4
Spanish Language & Culture <sup>2</sup>	4	SP 102 & SP 201	7
Spanish Language & Culture <sup>2</sup>	5	SP 102, SP 201 & SP 202	10
Spanish Literature & Culture <sup>2</sup>	3	SP 102	4
Spanish Literature & Culture <sup>2</sup>	4	SP 102 & SP 201	7
Spanish Literature & Culture <sup>2</sup>	5	SP 102, SP 201 & SP 202	10
Statistics	3	ST 260	3
U.S. History	4	HY 103 & HY 104	6
World History	4	HY 117 & HY 118	6

**Footnotes**

- <sup>1</sup> Decision based on review of portfolio by the Department of Art and Art History.
- <sup>2</sup> Students may not receive credit for AP courses *and* placement credit for language study in high school.
- <sup>3</sup> Students scoring a 3 on both the English Language & English Literature exam will receive credit for EN 101 English Composition and EN 102 English Composition. Students scoring a 4 or better on both the English Language & English Literature exam will receive credit for EN 101 English Composition, EN 102 English Composition *and* 3 hours of TRGS HU.

## College-Level Examination Program (CLEP)

Examination	Minimum Score	UA Course Equivalent	Credit
History and Social Sciences			
American Government	50	PSC 101	3
History of the United States I: Early Colonization to 1877	52	HY 103	3
History of the United States II: 1865 to the Present	52	HY 104	3
Human Growth & Development	52	HD 101	3
Principles of Macroeconomics	50	EC 111	3
Principles of Microeconomics	50	EC 110	3
Introductory Psychology	54	PY 101	3
Introductory Sociology	52	SOC 101	3
Western Civilization I: Ancient Near East to 1648	52	HY 101	3
Western Civilization II: 1648 to Present	52	HY 102	3
Foreign Languages			
French, Level 1 and Level 2	Score of 50–55	FR 101 & FR 102	8
French, Level 1 and Level 2	Score of 56–61	FR 201	11
French, Level 1 and Level 2	Score of 62–80	FR 202	14
German, Level 1 and Level 2	Score of 50–55	GN 101 & GN 102	8
German, Level 1 and Level 2	Score of 56–61	GN 201	11
German, Level 1 and Level 2	Score of 62–80	GN 202	14
Spanish, Level 1 and Level 2	Score of 50-55	SP 101 & SP 102	8
Spanish, Level 1 and Level 2	Score of 56-61	SP 201	11
Spanish, Level 1 and Level 2	Score of 62–80	SP 202	14
Science and Mathematics			

Biology (non-majors)	50	BSC 108	4
Biology (non-majors)	57	BSC 108 & BSC 109	8
Biology	60	BSC 114, BSC 115, BSC 116 & BSC 117	8
Chemistry	52	CH 101 & CH 102	8
Calculus with Elementary Functions	52	MATH 125	4
College Algebra	50	MATH 112	3
Business Information Systems and Computer Applications	50	CS 102	3
Introductory Business Law	50	LGS 200	3

**Footnotes**

<sup>1</sup> FR 101 Elementary French I/FR 102 Elementary French II, GN 101 Elementary German I/GN 102 Elementary German II, and SP 101 Introductory Spanish I/SP 102 Introductory Spanish II must be considered units. No credit is given for FR 101 Elementary French I, GN 101 Elementary German I, or SP 101 Introductory Spanish I alone, or for scores less than those listed above.

**International Baccalaureate (IB)**

Examination	Minimum Score	UA Course Equivalent	Credit
<b>GROUP 1</b>			
Language A: Literature (SL & HL)	4	EN 101	3
Language A: Literature (SL & HL)	5	EN 101 & EN 102	6
Language A: Language & Literature (SL & HL)	4	EN 101	3
Language A: Language & Literature (SL & HL)	5	EN 101 & EN 102	6
If both IB Language A tests are completed <sup>1</sup>	5 on both	EN 101, EN 102, and 3 hours of TRGS HU	9
<b>GROUP 2: LANGUAGE B COURSES</b>			
Arabic (SL & HL)	4	ARB 101	4
Arabic (SL & HL)	5	ARB 101 & ARB 102	8

Arabic (SL & HL)	6	ARB 101, ARB 102, & ARB 201	11
Arabic (SL & HL)	7	ARB 101, ARB 102, ARB 201, & ARB 202	14
Chinese (SL & HL)	4	CHI 101	4
Chinese (SL & HL)	5	CHI 101 & CHI 102	8
Chinese (SL & HL)	6	CHI 101, CHI 102, & CHI 201	11
Chinese (SL & HL)	7	CHI 101, CHI 102, CHI 201, & CHI 202	14
French (SL & HL)	4	FR 101	4
French (SL & HL)	5	FR 101 & FR 102	8
French (SL & HL)	6	FR 101, FR 102, & FR 201	11
French (SL & HL)	7	FR 101, FR 102, FR 201, & FR 202	14
German (SL & HL)	4	GN 101	4
German (SL & HL)	5	GN 101 & GN 102	8
German (SL & HL)	6	GN 101, GN 102, & GN 201	11
German (SL & HL)	7	GN 101, GN 102, GN 201, & GN 202	14
Greek (SL & HL)	4	GR 101	3
Greek (SL & HL)	5	GR 101 & GR 102	8
Greek (SL & HL)	6	GR 101, GR 102, & GR 201	9
Greek (SL & HL)	7	GR 101, GR 102, GR 201, & GR 202	12
Italian (SL & HL)	4	IT 101	4
Italian (SL & HL)	5	IT 101 & IT 102	8
Italian (SL & HL)	6	IT 101, IT 102, & IT 201	11
Italian (SL & HL)	7	IT 101, IT 102, IT 201, & IT 202	14
Japanese (SL & HL)	4	JA 101	4
Japanese (SL & HL)	5	JA 101 & JA 102	8
Japanese (SL & HL)	6	JA 101, JA 102, & JA 201	11
Japanese (SL & HL)	7	JA 101, JA 102, JA 201, & JA 202	14
Latin (SL & HL)	4	LA 101	3
Latin (SL & HL)	5	LA 101 & LA 102	6
Latin (SL & HL)	6	LA 101, LA 102, & LA 201	9
Latin (SL & HL)	7	LA 101, LA 102, LA 201, & LA 202	12
Portuguese (SL & HL)	4	POR 101	3

Portuguese (SL & HL)	5	POR 101 & POR 102	8
Portuguese (SL & HL)	6	POR 101, POR 102, & POR 201	9
Portuguese (SL & HL)	7	POR 101, POR 102, POR 201, & POR 202	12
Russian (SL & HL)	4	RUS 101	4
Russian (SL & HL)	5	RUS 101 & RUS 102	8
Russian (SL & HL)	6	RUS 101, RUS 102, & RUS 201	11
Russian (SL & HL)	7	RUS 101, RUS 102, RUS 201, & RUS 202	14
Spanish (SL & HL)	4	SP 101	4
Spanish (SL & HL)	5	SP 101 & SP 102	8
Spanish (SL & HL)	6	SP 101, SP 102, & SP 201	11
Spanish (SL & HL)	7	SP 101, SP 102, SP 201, & SP 202	14
GROUP 3			
Economics (SL & HL)	4	EC 110 & EC 111	6
Geography (SL & HL)	4	GY 110	3
Global Politics (SL & HL)	4	TRGS SB	3
History of the Americas (HL only)	4	HY 103 & HY 104	6
History of Asia & Oceania (HL only)	4	HY 113 & HY 114	6
History of Europe (HL only)	4	HY 101 & HY 102	6
World Religions (SL only)	4	REL 102	3
Philosophy (SL & HL)	4	PHL 100	3
Psychology (SL & HL)	4	PY 101	3
Social & Cultural Anthropology (SL & HL)	4	ANT 102	3
GROUP 4			
Biology (SL & HL)	4	BSC 114, BSC 115, BSC 116 & BSC 117	8

Chemistry (SL & HL)	4	CH 101 & CH 102	8
Computer Science (SL & HL)	4	CS 100	4
Physics (SL & HL)	4	PH 101 & PH 102	8
GROUP 5			
Mathematical Studies (SL only)	4	MATH 110	3
Mathematics (SL & HL)	4	MATH 115	3
Mathematics (SL & HL)	6	MATH 125	4
Mathematics: Applications & Interpretation (SL & HL)	4	MATH 112	3
Mathematics: Analysis & Approaches (SL & HL)	4	MATH 115	3
Mathematics: Analysis & Approaches (SL & HL)	6	MATH 125	4
GROUP 6			
Theatre (SL & HL)	5	TH 114	3
Visual Arts (SL & HL)	5	ART 110, ART 130, ART 131, and/or ART 197	3-6 <sup>2</sup>

**Footnotes**

- <sup>1</sup> Students scoring a 5 or better on both the Language A: Literature and Language A: Language & Literature exam will receive credit for EN 101 English Composition, EN 102 English Composition, *and* 3 hours of TRGS HU.
- <sup>2</sup> Decision based on review of portfolio by the Department of Art and Art History.

## General Certificate of Education (GCE) Advanced and Advanced Subsidiary Level Exams

Credit will be awarded as outlined for examinations completed through an A/AS Level Examination Board.

Examination	Minimum Score	UA Course Equivalent	Credit
Accounting (AS-Level)	A - E	AC 197	3
Accounting (A-Level)	A - E	AC 197	3-6
Art and Design (AS-Level)	A - E	ART 110, ART 130, ART 131, and/or ART 197	3 <sup>1</sup>



Art and Design (A-Level)	A - E	ART 110, ART 130, ART 131, and/or ART 197	3-6 <sup>1</sup>	German Language (A-Level)	A - E	GN 101 & GN 102	8
Biology (AS-Level)	A - E	BSC 108	4	Global Perspectives (AS-Level)	A - E	NEW 197	3
Biology (A-Level)	A - E	BSC 114, BSC 115, BSC 116 & BSC 117	8	Global Perspectives (A-Level)	A - E	NEW 197	6
Business Studies (AS-Level)	A - E	GBA 197	3	History (AS-Level)	A - E	HY 197	3
Business Studies (A-Level)	A - E	GBA 197	6	History (A-Level)	A - E	HY 197	6
Chemistry (AS-Level)	A - E	CH 197	4	Language and Literature in English (AS-Level)	A - E	EN 101	3
Chemistry (A-Level)	A - E	CH 101 & CH 197	8	Latin (AS-Level)	A - E	LA 101	3
Classical Studies (AS-Level)	A - E	CL 197	3	Literature in English (AS-Level)	A - E	EN 101	3
Computing (AS-Level)	A - E	CS 197	3	Literature in English (A-Level)	A - E	EN 101 & EN 102	6
Computing (A-Level)	A - E	CS 197	6	Marine Science (AS-Level)	A - E	BSC 197	3
Design and Technology (AS-Level)	A - E	CTD 197	3	Marine Science (A-Level)	A - E	BSC 197	6
Design and Technology (A-Level)	A - E	CTD 197	6	Mathematics (AS-Level)	A - E	MATH 115	3
Economics (AS-Level)	A - E	EC 197	3	Mathematics (A-Level)	A - E	MATH 125 & MATH 197	7
Economics (A-Level)	A - E	EC 110 & EC 111	6	Music (AS-Level)	A - E	MUS 197	3
English Language (AS-Level)	A - E	EN 101	3	Music (A-Level)	A - E	MUS 121 & MUS 197	6
Environmental Management (AS-Level)	A - E	GY 197	3	Physics (AS-Level)	A - E	PH 197	4
French Language (AS-Level)	A - E	FR 101	4	Physics (A-Level)	A - E	PH 101 & PH 102	8
French Language (A-Level)	A - E	FR 101 & FR 102	8	Psychology (AS-Level)	A - E	PY 101	3
French Literature (AS-Level)	A - E	FR 197	3	Psychology (A-Level)	A - E	PY 101 & PY 197	6
Further Mathematics (A-Level)	A - E	MATH 125 & MATH 126	8	Sociology (AS-Level)	A - E	SOC 101	3
General Paper (AS-Level)	A - E	NEW 197	3	Sociology (A-Level)	A - E	SOC 101 & SOC 197	6
Geography (AS-Level)	A - E	GY 105	3	Spanish Language (AS-Level)	A - E	SP 101	4
Geography (A-Level)	A - E	GY 102 & GY 197	7	Spanish Language (A-Level)	A - E	SP 101 & SP 102	8
German Language (AS-Level)	A - E	GN 101	4	Spanish Literature (AS-Level)	A - E	SP 197	3
				Thinking Skills (AS-Level)	A - E	PHL 197	3
				Thinking Skills (A-Level)	A - E	PHL 197	3

**Footnotes**

- <sup>1</sup> Decision based on review of portfolio by Department of Art and Art History

# Residency for Tuition Purposes Policy

## I. NON-RESIDENT TUITION POLICY

The University of Alabama defines and determines Residency for Tuition Purposes.

All students who come to the state of Alabama from another state solely or primarily for the purpose of attending school will be considered non-resident students for tuition purposes.

During the admissions process, the default residency classification is non-resident if **any** out-of-state information is received. This includes but is not limited to: transcripts, addresses, or other items included in the admissions application. The out of state classification will remain for the duration of the student's educational career unless appropriate documentation is received demonstrating that the student is a resident for tuition purposes as defined in this policy.

Therefore, classification of students as non-residents shall continue **unchanged** through all registrations at the University unless and until satisfactory evidence is provided supporting that the student's reason for coming to and remaining in the state of Alabama has changed to the extent that the changes meet the criteria in this policy.

**For independent students, residency classification is determined based on their ability to document clearly and convincingly that they meet the criteria summarized below. The residency classification of minors and dependent students is based solely on their supporting person(s).**

**A resident student for the purposes of tuition is one who meets any of the following criteria:**

- Is a regular, full-time employee (not temporary, full-time) of The University of Alabama as verified by The University of Alabama Department of Human Resources prior to the last day of classes of the academic term in question, or is the spouse of such an employee;
- Is able to verify full-time, permanent employment within the state of Alabama and shall commence said employment prior to the last day of classes of the academic term in question, or is the spouse of such an employee. Ownership of a business in Alabama or possession of an Alabama business license does not, in and of itself, qualify as full-time employment within the state of Alabama;
- Is a Veteran or member of the United States Armed Forces and meets at least one of the qualification criteria outlined in Section IV of this policy;
- Demonstrates physical presence in the state of Alabama (or Lowndes/Noxubee county in Mississippi) by means of an established, **domestic domicile** (see Section II. Definitions) for a period of at least one year immediately preceding the first day of classes of the academic term;
- Is employed as a graduate assistant by The University of Alabama as determined by the Graduate School;

## II. DEFINITIONS

- **Independent Student:** An individual who is not claimed as a dependent by his or her parents or any other individual for the tax year immediately preceding the request for resident

classification **and** is able to demonstrate financial self-sufficiency for at least the last year. Students who are minors as defined by Alabama state law are not eligible to be considered independent students for the purposes of this policy.

- **Dependent Student:** An individual is presumed to be a dependent of his or her parents if he or she (1) has been primarily involved in educational pursuits as evidenced by being enrolled as a full-time student at any point during the last year, or (2) cannot prove financial self-sufficiency for at least the last year. All students under the age of 24 are presumed to be dependent students unless proven otherwise through appropriate documentation.
- **Domestic Domicile:** That place in which a man or woman has voluntarily fixed the habitation of himself/herself, not for a mere special or temporary purpose, but with the intention of making a permanent home. In reference to this policy, the pursuit of an education is considered a special or temporary purpose. Furthermore, intention cannot be anecdotal or emotional in nature. Intention must be demonstrated clearly with the appropriate supporting documentation.
- **Minor:** An individual who, because of age, lacks the capacity to contract under Alabama law. Under current law, this means a single individual under nineteen (19) and a married individual under eighteen (18), but excludes an individual whose disabilities of non-age have been removed by a court of competent jurisdiction for a reason other than establishing a legal residence in Alabama.
- **Supporting Person:** Either or both of the parents of the student (if they are living together) or if they are divorced or living separate, then either the parent providing the greater amount of financial support or responsibility of the two. Recent income tax returns and divorce decree may need to be provided. If both parents are deceased or if neither had legal custody then supporting person shall mean: court-appointed guardian or conservator of the student.
- **Veteran:** A person who served in the active military, naval, or air service, and who was discharged or released therefrom under conditions other than dishonorable, as specified in 38 U.S.C. 101(2). Active service includes full-time duty in the National Guard or a Reserve component, other than full-time duty for training purposes.
- **Member of the Uniformed Service:** "Uniformed Services" consist of the armed forces (Army, Navy, Air Force, Marine Corps, Coast Guard, and Space Force), the Commissioned Corps of the National Oceanic and Atmospheric Administration (NOAA) and the Commissioned Corps of the Public Health Services.

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## III. NON-RESIDENT RECLASSIFICATION

To be considered a resident student for tuition purposes, one must prove by clear and convincing evidence that:

1. A specific address or location within the State of Alabama is their primary established domestic domicile; and
2. The specific address or location within the State of Alabama has been their domestic domicile for at least one year preceding the first day of classes of the academic term in question; and
3. They intend to remain there indefinitely, as established by having more substantial connections to Alabama than to any other state; and
4. They have not come to the state primarily for the purpose of education. Students who are currently enrolled in a full-time course load or who have been enrolled in a full-time course load within the

last year are presumed to be in Alabama solely for the purpose of education, and therefore, will not be considered for reclassification.

If a non-resident student seeking reclassification is a minor or dependent student, then his or her supporting person(s) must meet these criteria. Though certification of an address and intent to remain in the state indefinitely are prerequisites to establishing one's status as a resident, ultimate determination of that status shall be made by the University by its evaluation of the presence or absence of connections with the state of Alabama.

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#### IV. VETERANS AND MEMBERS OF THE UNITED STATES ARMED FORCES

For purposes of admission and tuition, The University of Alabama shall consider that the term "resident student" includes any of the following:

**A.** One who, at the time of registration, satisfies **one** of the following conditions:

1. Military personnel on active duty, along with their spouse or dependent child(ren), who are either stationed in Alabama for reasons other than attending school or whose State of Residence on their Leave and Earnings Statement (LES) is Alabama;
2. Has been a member of the Alabama National Guard for a period of at least 2 years immediately preceding the academic term in which the student qualifies for resident tuition, and continues to be a member of the Alabama National Guard while enrolled at the The University of Alabama;
3. Is receiving or entitled to receive benefits under the **Post-9/11 GI-Bill**® or **Montgomery GI-Bill**® programs, or other federal law authorizing veterans' educational benefits, **and** is physically present in the state of Alabama (as evidenced by documentation of one's physical address in Alabama while enrolled) **and** satisfies at least **one** of the following conditions:

- a. A Veteran receiving an honorable discharge, from a period of active duty service of 90 days or more;
- b. A spouse, dependent child, or qualifying foster child using transferred benefits from the transferor's honorable discharge, from a period of active duty service of 90 days or more;
- c. A spouse, dependent child, or qualifying foster child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship;
- d. A spouse, dependent child, or qualifying foster child using benefits transferred by a member of the uniformed service who is serving on active duty.

4. Is a veteran of the Armed Forces of the United States, not eligible under subsection 3 above, provided that the veteran is physically present in the state of Alabama (as evidenced by documentation of one's physical address in Alabama while enrolled) **and** satisfies at least **one** of the following conditions:

- a. The veteran has served on active duty for a continuous period of time, not less than 2 years, and has received an honorable discharge as verified by a United States Department of Defense Form 214 within 5 years of enrolling at The University of Alabama;
- b. Has been a member of a reserve component of the Armed Forces of the United States for a period of at least 2 years immediately preceding the academic term in which the

student qualifies for resident tuition and continues to be an active drilling member of their respective Reserve Unit while enrolled at The University of Alabama;

**c.** The veteran has been assigned a service-connected disability by the United States Department of Veterans Affairs.

5. Effective August 1, 2022: Is (a) a dependent spouse or child, or the surviving spouse or child, of a Veteran and (b) receiving or entitled to receive United States Department of Veterans Affairs Chapter 35 education benefits.

**B.** To be eligible for resident tuition as provided for in subsection A, and to maintain eligibility, the student shall:

1. Have secured admission to and enrolled full-time or part-time at The University of Alabama
2. Maintain full-time or part-time enrollment at The University of Alabama
3. Satisfy the admission and retention standards at The University of Alabama

**C.** A student who has previously met the requirements of this section shall continue to be classified as a resident student as long as the qualifying student maintains physical presence in the State of Alabama while enrolled at The University of Alabama. If an individual provided for in subsection A is released or discharged dishonorably, such release shall be grounds for revocation of in-state resident status for tuition purposes.

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#### V. INTERNATIONAL STUDENTS

International students who apply for residence reclassification must have the ability to remain indefinitely in the United States and otherwise meet the requirements of the Alabama Code and Board Rule 202.

A person must be a Permanent Resident Alien, Political Asylee, Political Refugee, or who hold an A, E, G, H, I, L, O, P, R, TC, TD or TN visa to be eligible for review as an in-state resident for tuition purposes. In addition, the criteria for residency for tuition purposes must be demonstrated sufficiently.

Students who hold a B, F, J, or M visa are not eligible to establish Alabama residency unless their supporting person meets the criteria in this policy for residency for tuition purposes. Full-time employees of a company party to an Alabama Free Trade Agreement may be eligible to establish residency based on that employment.

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#### VI. APPLICATION PROCESS FOR RECLASSIFICATION

Students who wish to apply for reclassification of residence must submit an Application for Reclassification of Residency to The Office of the University Registrar prior to the deadlines listed below for the term in question. Applications received by the Priority Deadline for the term in question will have an initial decision rendered prior to tuition and fees coming due for the term. Students are responsible for the payment of tuition and fees according to the deadlines set by the Office of Student Account Services. These deadlines will not be extended while a student's residency reclassification application is being reviewed. **Applications submitted after the respective final deadline will be considered for the next semester.** Requests for reclassification for past semesters will not be considered.

Term	Priority Deadline	Final Deadline
Fall	July 1	First Day of Classes for Full Term

Spring	November 1	First Day of Classes for Full Term
Summer	April 1	First Day of Classes for Interim Term

The student bears the burden of proving that he/she is a resident student in accordance with the University's Residency for Tuition Purposes Policy based on the application and supporting documentation provided.

If a student who has been previously denied in-state residency reclassification has a change in his/her status (e.g., a reason for being in the state other than to attend school, or it is his/her intent to remain in the state indefinitely), then a new Application for Reclassification of Residency may be submitted to the Office of the University Registrar. **Only those students whose circumstances have changed in a significant way and are able to provide sufficient additional documentation for review will be considered.** Otherwise, no further reclassification requests will be considered.

Requests for reclassification of residence are independent of other student service area deadlines. Student class schedules, billing schedules, and payment deadlines can not be held or altered due to a pending appeal of a denied request. Similarly, review and decisions regarding reclassification requests are not made according to timelines and deadlines for other processes on campus including, but not limited to: billing schedules, payment deadlines, scholarship acceptance deadlines, and housing and residential life deadlines.

## VII. APPEALS

If a student's request for reclassification of residence for tuition purposes is denied, he/she may request an appeal of the decision. The Residency Appellate Review Committee reviews and renders decisions on appeal requests. The expectation from the Committee is that all appeal requests include supporting documentation over and above what was submitted with the original application.

To initiate the appeal process, a student must submit a written request. Any and all additional supporting documentation relevant to the request must also be included with the written request. All appeal requests must be received by the Office of the University Registrar no later than 4:45 p.m. on the 30th calendar day following the date of the letter denying your application for reclassification. Appeal requests may be mailed, emailed to [residency@ua.edu](mailto:residency@ua.edu), or hand delivered to room 206 in the Student Services Building. The mailing address for the Office of the University Registrar is as follows:

Residency Appellate Review Committee  
Office of the University Registrar  
Box 870134  
Tuscaloosa, AL 3547-0134

## Scholastic Progress Standard, Academic Status, Warning and Suspension

The University of Alabama expects all students who enroll to make progress toward the completion of degree requirements. The University reviews each student's academic record at the end of term of enrollment (fall, spring, and summer) to determine academic status. The following academic standards for continued enrollment at The University of Alabama apply to all students as they progress toward graduation.

## Scholastic Progress Standard

In order to monitor students' progress toward the baccalaureate or undergraduate degree and determine academic status, The University of Alabama employs the Scholastic Progress Standard (SPS). The SPS sets the minimum required cumulative University of Alabama (institutional) grade point average (GPA), which is calculated based only on credit hours earned at The University of Alabama, for freshman, sophomore, junior, and senior students. For example, applying the SPS formula set forth below, a student who has earned 75 overall credit hours (50 UA credit hours and 25 transfer credit hours) is classified as a junior, which means the student must have a cumulative UA GPA—based only on the 50 credit hours earned at UA—of 1.90 or higher to satisfy SPS. Students are advised that these are minimum GPA requirements for continuing at the University; to meet divisional graduation requirements, higher GPAs may be needed.

University of Alabama GPAs are computed on the following grades: "A," "B," "C," "D," "F," or "I" and any pluses or minuses that appear on the record. In computing a GPA, an "I" counts as an "F" until replaced by the earned grade. A grade of "NC," "P," or "W" does not enter into the computation.

Overall Credit Hours Earned*	Required Cumulative University of Alabama GPA**
0-30 (freshman)	1.50
31-60 (sophomore)	1.70
61-90 (junior)	1.90
91 or more (senior)	2.00

### Footnotes

\* Includes transferred credit hours

\*\* Does not include transferred credit hours

## Academic Status

Academic status at The University of Alabama is determined at the end of each term of enrollment (fall, spring, and summer) on the basis of The University of Alabama cumulative GPA and number of overall credit hours earned (Scholastic Progress Standard). Academic status governs a student's enrollment status and governs any condition(s) associated with re-enrollment or eligibility for enrollment.

There are four categories of academic status at The University of Alabama: good standing, academic warning, one-term suspension, and indefinite suspension.

**Good Standing** - Students will be in good standing, and continue in good standing, when their University of Alabama cumulative GPA is 2.00 or higher.

**Academic Warning** - Students will be placed on academic warning if their cumulative GPA at UA falls below 2.0 but a student's status is within the appropriate Scholastic Progress Standard (SPS) parameters (for example, a student with 45 overall credit hours earned with a 1.90 cumulative GPA at UA will be placed on academic warning).

The purpose of academic warning is to alert students to improve their academic performance and encourage their use of available appropriate academic support.

Students placed on academic warning must meet with their current divisional academic advisor(s) within the time period specified by the student's college or school.

Academic warning does not restrict students' ability to register at UA but does govern a requirement to be advised.

**One-Term Academic Suspension** – Students previously placed on Academic Warning (UA GPA of less than 2.00) who do not earn the required minimum University of Alabama cumulative GPA based on Scholastic Progress Standard will be placed on one-term academic suspension. No student may be placed on academic suspension who has not spent the prior term of enrollment on Academic Warning. Students placed on one-term academic suspension will be on academic leave during the next major term (fall or spring).

The one-term academic suspension will be marked on the student's permanent academic transcript. After students sit out for one major semester (fall or spring) they will automatically be eligible for enrollment for the next term. Students returning from a one-term academic suspension must meet with their current divisional academic advisor(s) within the time period specified by the student's college or school.

Individual colleges and programs may set academic continuation parameters for their specific programs.

**Indefinite Academic Suspension** - Students will be placed on indefinite academic suspension if they fall below the required minimum University of Alabama cumulative GPA designated by the Scholastic Progress Standard after being reinstated from the one-term academic suspension. No student may be placed on indefinite academic suspension who has not previously been on one-term academic suspension. A student on indefinite academic suspension will be on academic leave for an indefinite period of time but a minimum of one academic year. (See summer enrollment option below.) Following the minimum academic leave, permission to return to UA may be reviewed by the college or school designee where the student was previously enrolled.

Individual colleges and programs may set academic continuation parameters for their specific programs.

## Summer Enrollment Option

Students placed on one-term or indefinite academic suspension are eligible to enroll in summer courses at The University of Alabama during the summer term immediately following their suspension. (For example, a student on indefinite academic suspension after the fall term is not eligible to enroll in the spring term but is eligible for the summer term). If students earn grades sufficient to lift their required minimum UA cumulative GPA to or above the appropriate level set by the Scholastic Progress Standard during the summer term after being placed on academic suspension, students will earn reinstatement for the fall term.

## Appeal of Suspension Status

A petition to waive the academic rules related to academic suspension will not normally be considered until the student has been absent from The University of Alabama for the designated time period (one major term, i.e. fall or spring semester) for a one-term suspension and one academic year (both fall and spring) for an indefinite suspension. Students may be reinstated only upon the approval of the college or school in which they were last enrolled. A favorable decision by the college or school designee is unlikely without academic leave from the University.

## Returning After Indefinite Suspension

After the required minimum academic leave of one year, students may re-enter The University of Alabama after a favorable action by the school or college designee in which the student was last enrolled. After being absent from UA for one academic year (both fall and spring), students must appeal to the school or college for reinstatement at least 30 days prior to the term in which they wish to enroll. It is strongly recommended

that students meet with an academic advisor to develop a plan for returning from suspension before they appeal to return.

## Readmission

A student who has been absent from The University of Alabama for one year or more must apply for readmission to UA in addition to appealing to the school or college for reinstatement. The opportunity to seek readmission is merely that: a student has no right to readmission and has no reasonable expectation of a right to readmission or re-enrollment. All students seeking readmission are subject to relevant eligibility criteria, rules, and regulations associated with admission/readmission that are applicable at the time the student seeks readmission.

## Transfer Credit

The University of Alabama accepts transfer work from postsecondary institutions that are fully accredited by one of the six accrediting agencies listed in this policy. Incoming transfer coursework will be evaluated against the current University of Alabama catalog at the time the transcript is received. A University of Alabama equivalent course, discipline-specific elective, or general elective will be assigned based on comparability of the course content.

## General Transfer Credit Policy

### Accreditation

- Collegiate work will be considered for transfer credit from postsecondary institutions that offer the baccalaureate degree or associate's degree leading to the baccalaureate degree and are fully accredited by one of the six accrediting agencies below. Institutions that have been granted official candidacy status by one of the accrediting agencies listed below will be accorded conditional acceptance for the coursework until full accreditation is granted.
  - Middle States Commission on Higher Education (MSCHE)
  - Higher Learning Commission (HLC)
  - New England Commission of Higher Education (NECHE)
  - Northwest Commission on Colleges and Universities (NWCCU)
  - Southern Association of Colleges and Schools, Commission on Colleges (SACSCOC)
  - Western Association of Schools and Colleges; Senior College and University Commission (WSCUC), Accrediting Commission for Community and Junior Colleges (ACCJC)
- Collegiate work from postsecondary institutions not fully accredited by one of the accrediting agencies above will be considered for transfer credit only when approval is recommended by the dean of the student's college of enrollment. Approval must be sought by the student via written petition to the dean.
  - If the work is approved for transfer, the credit will be accepted on a provisional basis.
  - Provisional credit will be applied as appropriate to the student's degree if an average of "C" or higher is earned for a year of academic work as a full-time student.
  - In the case of the part-time student, a "C" average or higher must be earned for work completed from the time of initial enrollment through the semester (summer included) in which a total of at least 24 semester hours of work is completed at The University of Alabama.
  - A student who transfers within The University of Alabama will have provisional credit applied as appropriate to the curriculum of the college into which the student transfers.

3. Collegiate work will be considered for transfer credit for courses completed at colleges and universities outside of the United States which are accredited or approved by the Ministry of Education (or other appropriate governmental agency) of the country in which they are located. Students seeking transfer credit from international institutions are required to submit a course-by-course evaluation completed by a National Association of Credential Evaluation Services (NACES) accredited organization. A list of current NACES member organizations can be found at <http://www.naces.org/members.html>.
  - courses in religion that are doctrinal, confessional, or sectarian in nature
  - courses applying to a previously earned baccalaureate degree

## Transferability, Equivalency, and Applicability

1. **Transferability** refers to the conditions under which the University accepts credit from other postsecondary institutions for inclusion in the student's record. The Office of the University Registrar (OUR) is responsible for determining transferability.
2. **Equivalency** entails equating transfer credit, both in hours and content, to University of Alabama coursework. Lower-level equivalencies will be determined by transfer credit evaluators in OUR. Upper-level equivalencies will be determined by the college/school which houses the discipline.
3. **Applicability** of credit toward a degree refers to the prerogative of the academic divisions to count specific credit toward the fulfillment of a student's degree requirements. The student's college of enrollment is responsible for determining applicability.

## Governing Policies

1. Transfer credit is generally awarded for academic credit earned at institutions fully accredited or in candidacy status with one of the six accrediting agencies listed in this policy.
2. The evaluation and award of transfer credit will be based on official transcripts. To be eligible for evaluation, coursework must appear on an official transcript from the institution that offered the coursework and initially conferred the credit in question.
3. The University of Alabama follows a semester calendar and posts credit to The University of Alabama transcript in semester hours. Coursework completed at institutions that follow a semester-based academic calendar will be posted to The University of Alabama transcript with the semester hour total attempted for each course. Coursework completed at institutions on non-semester-based academic calendars will be converted and posted to The University of Alabama transcript with the semester hour equivalent attempted for each course.
4. Credit granted by another institution for non-traditional experiences will not be accepted based on that institution's transcript. To receive credit for non-traditional experiences (e.g. College Level Examination Program [CLEP], Advanced Placement [AP], International Baccalaureate [IB], General Certificate of Education [GCE] Advanced and Advanced Subsidiary Level Exams, military training, etc.), the student must present official documentation from the original provider of the non-traditional experience.
5. The following types of credit are not transferable and will not count toward a degree:
  - placement credit granted by another institution
  - remedial or developmental courses
  - technical courses
  - occupational, vocational, and some workforce courses from two-year institutions
  - courses classified as below freshman level by the originating institution

6. Courses from two-year institutions transfer as lower-division (100- and 200-level courses) credit only. Undergraduate courses from four-year baccalaureate degree-granting institutions transfer at the same level, lower- or upper-division, as they were taken. Graduate level coursework may be transferred as undergraduate credit at the written request of the student and upon approval by the appropriate academic department.
7. Class standing is based on cumulative credit hours earned, not degrees. Students transferring to The University of Alabama with an associate's degree will not automatically be granted junior standing.
8. Courses are posted to The University of Alabama transcript with the grade reflected on the official transcript of the originating institution. In those instances when a student has repeated a course, all occurrences of the course, including grade, will be posted to The University of Alabama transcript. All grades count in the overall GPA, but earned hours will be awarded based on The University of Alabama repeat policy for the equivalent course. This policy can be found on the Grade and Grade Points page under "Repeat Course Policy."
9. Courses in which a grade of "F" was earned are not applicable and will not count toward a degree. However, the course, hours, and grade are placed on The University of Alabama transcript and calculated in the overall GPA.
10. Courses for which a student has been awarded academic clemency, bankruptcy, forgiveness, etc. by the institution at which the courses were completed will not be posted to The University of Alabama transcript.
11. Students are required to submit official transcripts for all post-secondary institutions attended. All transferable work will be posted to The University of Alabama transcript. Students do not retain the right to pick or choose certain courses for transfer.

## Evaluation and Application of Transfer Credit

### Core Curriculum/General Education

Transfer courses that do not have a direct University of Alabama equivalent but are appropriate for core credit will be designated with a transfer general studies (TRGS) prefix and the corresponding core area. These will be noted on the student's transcript as follows:

- TRGS FC - Transfer Gen Stdy Fresh Comp
- TRGS FL - Transfer Gen Stdy Foreign Lang
- TRGS HU - Transfer Gen Stdy Humanities
- TRGS L - Transfer Gen Stdy Literature
- TRGS HI - Transfer Gen Stdy History
- TRGS SB - Transfer Gen Stdy Soc Behv Sci
- TRGS FA - Transfer Gen Stdy Fine Arts
- TRGS N - Transfer Gen Stdy Nat Sci
- TRGS MA - Transfer Gen Stdy Math
- TRGS C - Transfer Gen Stdy Comp Sci

The student's college of enrollment will have to grant an exception or substitution if the course should be applied to the major and/or minor.

### Elective Credit

Course numbers 197 and 397 indicate lower-level and upper-level elective credit, respectively. If, upon evaluation, a course is determined to have no

direct University of Alabama equivalent but does fall within a discipline taught at The University of Alabama, the course will be awarded 197 or 397 credit in conjunction with the appropriate discipline prefix. The discipline prefix with the 197 or 397 course number indicates that the course is suitable for elective credit in that discipline.

If, upon evaluation, a course is determined to have no direct University of Alabama equivalent and does not fall within a discipline taught at The University of Alabama, the course will be awarded 197 or 397 credit in conjunction with a general elective credit (GEC) prefix.

Some colleges or degree programs may not allow 197 or 397 elective credit to complete degree requirements. Students should contact their college of enrollment for details.

## Applicability of Credit

Transfer credit will be applied as appropriate to a student's degree program. The authority to apply transfer credit toward degree requirements rests with the student's college of enrollment.

Transferring between colleges within The University of Alabama will not affect the equivalencies established for a student's transfer work, but may affect the applicability of the credit towards the new degree program.

Transferable courses with a grade of "D-" or above may apply to degree requirements unless a grade of "C-" is specifically required.

A minimum of a "C-" must be earned in English composition and introductory math courses to be applicable towards completion of degree requirements. Courses requiring a "C-" or better are: EN 101 English Composition, EN 102 English Composition, MATH 100 Intermediate Algebra, MATH 110 Finite Mathematics, MATH 112 Precalculus Algebra, MATH 113 Precalculus Trigonometry and MATH 115 Precalc Algebra & Trig. If a grade below a "C-" was earned in one of the aforementioned English composition or introductory math courses, the course will still be included on the student's transcript and included in the calculation of the student's higher education GPA.

A minimum of 50 percent of the coursework required to earn a baccalaureate degree at The University of Alabama must be earned at a baccalaureate degree-granting institution, and a minimum of 25 percent of the coursework required for the degree must be earned at The University of Alabama. Students should contact their college of enrollment for the specific number of hours required for their degree.

The policies and procedures for determining GPA and applying transfer credit are discussed in each college's section of The University of Alabama Undergraduate Catalog.

## Evaluation of Credit from Non-Traditional Sources

### Credit by Examination

Credit by examination and credit for several types of out-of-class experiences are recognized by The University of Alabama. Credits can be earned through satisfactory completion of one of the standardized national exams including the Advanced Placement (AP) (p. 12) program, the International Baccalaureate (IB) (p. 12) program, General Certificate of Education (GCE) Advanced and Advanced Subsidiary Level Exams (p. 12) and the College Level Examination Program (CLEP) (p. 12).

Credit hours earned by examination and/or out-of-class experiences are not considered UA institutional coursework, and therefore, may not be applied toward fulfillment of:

- The minimum of 50 percent of the coursework required to earn a bachelor's degree at The University of Alabama that must be earned at a baccalaureate degree-granting institution (four-year college or university), and
- The minimum of 25 percent of the coursework required for the degree that must be earned at The University of Alabama.

## Study Abroad

All University of Alabama students planning to do research, internships, or academic credit programs abroad will apply for study abroad through the Education Abroad office. Once admitted to a program, students are required to submit each planned course for approval through the online International Credit Approval for Study Abroad application. Each course will be evaluated and a University of Alabama equivalency will be determined and provided to the student. In the event a student changes courses while abroad, a new request for evaluation should be submitted. Any courses not pre-approved will be evaluated at the time a transcript is received and are not guaranteed to be accepted for credit by The University of Alabama.

When a transcript is received with work from a UA-affiliated study abroad program on an international transcript, the credit will be posted with pass/fail grades. A grade of "P" does not affect the GPA; however, a grade of "F" is computed in the GPA. When a transcript is received with study abroad work that appears on a domestic transcript from an accredited and affiliated U.S. institution, it will be treated as standard transfer credit. The grade received on the domestic institution's transcript will be posted to the student's University of Alabama transcript and calculated into the overall GPA.

Courses taken through study abroad programs often cover content from a focused area of study related to the culture, history, and perspective of the country in which the experience takes place. For that reason, many study abroad courses will not have a direct UA equivalency. The authority to apply the credit awarded from study abroad toward degree requirements rests with the student's college of enrollment.

## Military Service

The American Council on Education (ACE) recognizes the educational value of military training and experience. ACE continuously evaluates military school courses and occupations and makes recommendations for college-level credit. ACE credit recommendations are present on the Joint Services Transcript (JST) of the military service member. The University of Alabama accepts military service records and will award credit for ACE recommendations in the associate and baccalaureate categories at both the lower and upper level. Recommendations for credit at the vocational level are not acceptable for credit at The University of Alabama. The University of Alabama does not award credit for military occupations or for courses with ACE recommendations that are considered technical in nature. While ACE recommendations that meet the aforementioned criteria will be considered for credit during the evaluation of the JST, they are not binding to the University. Duplicate credit recommendations will not be allowed. In most cases, credits will be awarded as elective credit.

Each service member will receive at least 4 hours of military science elective credit for military experience documented on the JST. Any additional credit awarded may be comprised of direct University of Alabama equivalencies, discipline-specific electives, physical education electives, or general electives after evaluation by The University of Alabama. A maximum of 6 semester hours of physical education credits and 6 semester hours of general elective credits will be awarded for educational experience in the military. Discipline-specific electives will only be considered for ACE recommendations of 2 or more semester

hours. Military courses in which ACE has provided optional credit recommendations will be reviewed on a case-by-case basis to determine the appropriate credit. Military courses that have received an upper-level credit recommendation from ACE will receive elective credit only.

The authority to apply the credit awarded from military experience toward degree requirements rests with the student's college of enrollment.

### Other Non-Traditional Sources

Credit from other non-traditional sources including, but not limited to, independent study, workshops, field experiences, or internships will be considered for credit if documented on an official transcript from a regionally accredited institution.

## Appeal Process

If a student disagrees with a transfer credit evaluation, the student must submit further information to the Office of the University Registrar to initiate an appeal of the evaluation. Supporting documentation can include, but is not limited to, a course outline, syllabus, or textbook.

The Office of the University Registrar will review all supporting documentation in coordination with the academic department and will amend the original evaluation if a change is warranted.

## Withdrawal

A student may withdraw from or drop an individual course until the end of the tenth week of a fall or spring semester, the second week of Interim session, the third week of a five-week summer session, or the fourth week of a 10-week session. After this period, students are expected to maintain their course loads.

A student contemplating withdrawal from a course is strongly encouraged to contact his or her academic advisor before changing the schedule, as changes can result in delayed graduation. Also, dropping below full-time status may impact insurance (health and auto), financial aid, and scholarships. (Full-time status is 12 credit hours for undergraduate students, 9 credit hours for graduate students, and 10 credit hours for law students.)

A student may not withdraw from or drop individual courses in which penalty grades were assigned as a result of academic misconduct.

No permanent notation is made of a course that is dropped during the change-of-schedule period. A course dropped from the end of the change-of-schedule period to the end of the 10th week of a fall or spring semester, the end of the second week of Interim session, the end of the third week of a five-week summer session, or the end of the fourth week of a 10-week summer session is indicated on the student's permanent academic transcript with a grade of "W."

**Important Note #1:** Dropping an Interim session course does not result in a withdrawal from the University if the student is enrolled in a course or courses in any other session within the same term.

**Important Note #2:** After the Last Day to Drop with a W, a student must petition the college office for approval to withdraw or drop "for reasons beyond the student's control." The presumption is that the student CANNOT withdraw without "extenuating circumstances," which must be documented. Specifically, the student cannot drop because he or she isn't doing well in the class. Depending upon the term, the student had up to 10 weeks to make this judgment call. This note also applies to any retroactive withdrawal or drop.

## Withdrawal from a Semester

A student may withdraw from a semester through the last day of classes (excluding final exam periods) in the fall, spring, and summer semesters following clearance by the Office of the University Registrar. A withdrawal from the semester occurs during summer term only if the student withdraws from all parts of the term. A semester withdrawal will not be processed if the student is enrolled in a part of a term that has concluded.

No notation of courses attempted is made on the permanent record of a student who withdraws from the semester during the *change of schedule period* (when a course can still be added). After the *change of schedule period*, a grade of "W" (withdrawn) is assigned for all courses in which the student was enrolled.

The withdrawal process is initiated online through the student's myBama account. The "Tuition and Other Expenses" (p. 392) section of this catalog provides information regarding the effects of withdrawal upon tuition & fee payments and financial aid.

## Withdrawal When Called to Active Military Duty

For purposes of this section, active military duty means service, whether voluntary or involuntary, in the Armed Forces, including service by a member of the National Guard or Reserve, on active duty, active duty for training, or full-time National Guard duty under Federal authority, for a period of more than 30 consecutive days under a call or order to active duty of more than 30 consecutive days. A student who has been admitted to or who has been enrolled at The University of Alabama may request a withdrawal to fulfill a U.S. military obligation. The student should notify the Office of the University Registrar and provide documentation of his or her call to service, and submit notification whether or not the student intends to return to the University. Graduate students should also provide documentation to the Graduate School dean. Withdrawal is not contingent on the student's notification of intent to return to the University. The intent to return is used as information for future communication with the student.

A student returning from active military duty may be readmitted per the readmission provisions in the Higher Education Opportunity Act of 2008 (Section 484C of the HEA) and implementing regulations in 34 CFR Section 668.18. A student can be promptly readmitted, providing he or she withdrew to fulfill a U.S. military obligation, was not dishonorably discharged from the uniformed services, and the cumulative length of absence and of all previous absences from undergraduate studies due to military service did not exceed five years.

When a student is called to active military duty during an academic term, he or she may choose one of the following three options:

1. The student may request retroactive withdrawal to the beginning of the semester, with a full refund of tuition and fees.
2. If at least 75 percent of the term has been completed, the student may request that the faculty member assign a grade for the course based on the work completed. The final decision about grading is left to the faculty member.
3. If the faculty member assigns a grade of "I", the student will have a minimum of two weeks after returning to campus to complete the course requirement. Additional time may be granted if alternative arrangements are made with the faculty member, and provided the alternative arrangement is in compliance with Alabama Code S3 31-12-3. This requires individuals be restored to the educational status he or she had prior to military duty, without the loss of



academic credits earned, scholarships or grants awarded, or tuition and other fees paid prior to the commencement of military duty.

### Spouses of service members called to active duty

A student who is the spouse of a service member called to active duty qualifies for the same withdrawal options that apply to service members. The student should notify the Office of the University Registrar and provide documentation of the call to service, and submit notification whether or not he or she intends to return to the University. Graduate students should also provide documentation to the Graduate School dean. Withdrawal is not contingent on the student's notification of intent to return to the University. The intent to return is used as information for future communication with the student.

## Medical Withdrawal and Return to Campus Policy

The Medical Withdrawal and Return to Campus policy of The University of Alabama establishes procedures to follow when a student suffers from a physical, emotional, or psychological condition that significantly impairs the student's ability to function successfully or safely as a student. The policy is primarily administered by the University's Student Health Center (SHC) according to the procedures described below.

### Eligibility

**Medical Withdrawals are voluntary. Eligibility for Medical Withdrawal is limited to students who have not taken a final exam or otherwise completed coursework for a final grade.** The SHC shall request documentation from the dean of the division in which the student is enrolled to verify that the student either took no final exam(s) or otherwise completed coursework for a final grade for the semester/term in question; in addition, students are expected to affirm these conditions at the time of the request. Falsely attesting to the eligibility on the *Student Request for Medical Withdrawal* form is a violation of the Code of Student Conduct and may result in the revocation of a Medical Withdrawal and/or referral to the Office of Student Conduct.

### Academic Impact

Medical Withdrawal, when approved, withdraws a student from all courses for a given semester/term. Students are not allowed to medically withdraw from individual courses. The only exception to this policy occurs when parts of a term within a semester have unique start and end dates. For example the summer semester at UA includes four separate parts (Interim Term, Summer I, Summer II, and full Summer Term). It would be possible, if approved, for a student to complete coursework in Summer I and to medically withdraw from Summer II. In this example, the student would not be medically withdrawn from the entire summer semester, but rather only from all courses for Summer II.

### Procedures

After appropriate SHC personnel have deemed a Medical Withdrawal request eligible for consideration, a designated SHC physician handles all Medical Withdrawal decisions on behalf of the University. The designated SHC physician, on behalf of the University and, where appropriate, in consultation with relevant University personnel, will conduct an individualized assessment of the student's situation before deciding to approve or deny the request and determining the effective date of the withdrawal. The effective date will be determined based on the circumstances associated with the student's participation at UA and the

medically related documentation. The designated physician's decisions regarding Medical Withdrawal are final with no appeal rights. If approved, the SHC will notify the student and the Office of the University Registrar. Upon notification by the SHC, the University Registrar shall process the withdrawal and notify the student. If the request is denied, the SHC shall notify the student.

## Medical Withdrawal Documentation

1. A student **must** fully and accurately complete the *Student Request for Medical Withdrawal* form (available at [www.shc.ua.edu](http://www.shc.ua.edu)) and send the completed form by fax (205-348-7174), email ([medwithdrawal@ua.edu](mailto:medwithdrawal@ua.edu)), or, if there is time, by mail to The Student Health Center, Medical Withdrawal, 750 Peter Bryce Boulevard, Tuscaloosa, AL 35401.
2. A student **must** have a licensed medical provider (physician, nurse practitioner, or mental health professional) submit a completed *Licensed Provider Recommendation for Medical Withdrawal* form (available at [www.shc.ua.edu](http://www.shc.ua.edu)) by fax (205-348-7174), email ([medwithdrawal@ua.edu](mailto:medwithdrawal@ua.edu)), or, if there is time, by mail to The Student Health Center, Medical Withdrawal, 750 Peter Bryce Boulevard, Tuscaloosa, AL 35401. The licensed medical provider shall be the one who is currently treating the student for the condition(s) prompting the withdrawal request and is responsible for obtaining permission from the student to provide the documentation and to discuss the medical conditions, if needed, with the appropriate University personnel. If the University, in its sole discretion, determines that an extraordinary or emergency situation exists, alternative documentation may be requested and considered.
3. A student **may** also attach to the student request form any further supportive documentation from faculty teaching the student's currently enrolled courses, or if to support a retroactive withdrawal, from faculty who taught the student for the semester/term for which the withdrawal is requested.
4. In the event that the student's medical condition so incapacitates the student that the student cannot act on his or her own behalf, the student's parent or legal guardian should contact the Student Health Center at 205-348-7164 for further guidance.

## Types of Medical Withdrawals

1. **Regular Medical Withdrawal, within the current semester/term.** A timely regular Medical Withdrawal request must be made before the close of business on the last day of classes of the semester in question. A timely withdrawal for the current semester requires a *Student Request for Medical Withdrawal* form submitted by the student and the *Licensed Provider Recommendation for Medical Withdrawal* form submitted by a licensed practitioner (forms available at [www.shc.ua.edu](http://www.shc.ua.edu)). The student is encouraged to begin the medical withdrawal request process as soon as it becomes evident that a physical, emotional, or psychological condition significantly impairs the ability to function successfully or safely as a student. The designated SHC physician shall determine the effective date for the medical withdrawal based on the circumstances associated with the student's participation at UA and medically related documentation. An approved Regular Medical Withdrawal requires the submission of the *Licensed Provider Return to Campus (Medical Clearance)* form as described below in the section Return to the University Following Medical Withdrawal as well as its approval by the SHC-designated physician.
2. **Retroactive Medical Withdrawal.** A timely withdrawal for a previous semester must be made within sixty (60) calendar days of the last day of classes for the semester/term for which the withdrawal is requested. The student must submit the *Student Request for Medical Withdrawal* form and the *Licensed Provider Recommendation for Medical Withdrawal* form (forms

available at [www.shc.ua.edu](http://www.shc.ua.edu)). For all approved Retroactive Medical Withdrawals, the effective date shall be the last day of classes for the semester/term in question. Also, if a student is seeking a retroactive medical withdrawal and is currently enrolled or intending to be enrolled or registered for an upcoming semester or term, then the student must also submit with the *Licensed Provider Recommendation for Medical Withdrawal* form a *Licensed Provider Return to Campus (Medical Clearance)* form. Failure to submit the *Return to Campus* form at the same time as the request for retroactive withdrawal will prevent the student's request for retroactive medical withdrawal from being considered. Further, if such a student's medical withdrawal is granted, but the submitted return to campus materials are insufficient to allow a return, the student will have the option to (1) retract the request for a retroactive Medical Withdrawal and remain registered/enrolled or (2) take a Medical Withdrawal for the previous and current semester or term in which they are enrolled. If the student selects the latter option, the student will still have to submit and have approved additional *Return to Campus* paperwork before being eligible to seek re-enrollment.

***Medical Withdrawal Requests submitted outside of the semester in question, and beyond the required sixty (60) day deadline, must have clear, convincing, and extraordinary circumstances in order for the request to be considered.***

Extensive documentation (such as extended hospitalization and rehabilitation progression not met, etc.) must be submitted to the SHC and must be related to the reasons for the medical withdrawal and to the circumstances that prevented a timely request.

## Handling of a Medical Withdrawal

Once a Medical Withdrawal has been approved, the withdrawal will proceed under these guidelines:

1. The Office of the University Registrar assigns a grade of "W" on the official transcript for effective dates that fall after the add/drop period for the semester.
2. All grades from the transcript, for the term in question, are completely removed when the Medical Withdrawal effective date falls within the add/drop period for the semester.
3. The impact of an approved non-medical semester withdrawal (administrative withdrawal) for the same semester is addressed in the following way:
  1. If an approved non-medical withdrawal from an academic division predates the approved Medical Withdrawal effective date, the earlier date will be applied by the Office of the University Registrar.
  2. If the approved Medical Withdrawal effective date pre-dates an approved non-medical withdrawal, again, the earlier date will be applied by the Office of the University Registrar.

## Return to the University Following Medical Withdrawal

When the Medical Withdrawal is approved, an SHC representative shall place a medical clearance hold on the student's record. A medical clearance hold will remain in place until the appropriate medical documentation is received and a designated SHC physician approves release of the hold. If the hold is not removed by approximately one week prior to the start of classes for the term in question, all of the student's classes will be dropped for that term, regardless of whether or not an appeal is in process.

A student seeking to return following a Medical Withdrawal must provide appropriate medical documentation from a licensed physician, nurse practitioner, or mental health professional who is knowledgeable of

the student's full health history and has treated the student since the effective date of Medical Withdrawal. This medical documentation must indicate that it is appropriate and safe for the student to resume classes at the beginning of a specified semester/term. A completed *Licensed Provider Recommendation for Return to Campus (Medical Clearance)* form (available at [www.shc.ua.edu](http://www.shc.ua.edu)) must be submitted to the Student Health Center, by fax (205-348-7174), email ([medwithdrawal@ua.edu](mailto:medwithdrawal@ua.edu)) or, if time allows, by mail to Student Health Center, Medical Withdrawal, 750 Peter Bryce Boulevard, Tuscaloosa, AL 35401 .

Upon receipt of the required *Licensed Provider Recommendation for Return to Campus (Medical Clearance)* form and other appropriate medical documentation, a designated SHC physician, on behalf of the University and, where appropriate, in consultation with relevant University personnel, will conduct an individualized assessment of the returning student's situation. The assessment will include reviewing materials submitted by the student or on the student's behalf. During the process of reviewing a student's request to return, if at the discretion of the SHC physician, a determination is made that the information provided by a treatment provider or student is incomplete, requires further explanation or clarification, or when there is a discrepancy between the medical information provided and other available information relating to the student, the student may be required to provide additional documentation and/or grant permission to the SHC to obtain further information about the student's current condition. In extraordinary circumstances (e.g., concern exists about the medical provider's credentials/assessment, etc.), the student may be asked to undergo, at their expense, additional evaluation or assessment to assist with the determination about readiness to return. All steps that the SHC may initiate as part of its individualized assessment are aimed at ensuring the student is ready to resume studies and be a successful member of the campus community.

Every effort will be made to respond to a student's request for return within fourteen (14) calendar days of receipt of all requested or required materials. A longer response time may be caused by the inability to reach a student's treatment provider, clinic closure during University holiday periods, or other extenuating circumstances.

If the decision is made to grant the student's request to return and lift the medical clearance hold, relevant University personnel may contact the student to discuss or review a plan for sustained health. Recommendations for return shall, if applicable, include, but will not be limited to, ongoing treatment, accommodations, or other resources to help the student succeed.

If, at the discretion of the SHC physician, it is determined that the hold should remain in place because a student is not yet ready to return, the student will be advised in writing by letter or via email to their University account. A student may appeal that decision by submitting an appeal letter in writing to the SHC by email ([medwithdrawal@ua.edu](mailto:medwithdrawal@ua.edu)) or fax (205-348-7174) within fourteen (14) calendar days of receiving the SHC physician's decision. A designated Appeal Team, which will consist of the executive director of the SHC, the director of Student Care & Well-Being, and a designee of the provost, shall review the matter and make a final determination as to the student's ability to return. Once the Appeal Team's determination has been made, that decision is final and no further appeals are permitted.

A student registered for a future term and seeking a medical withdrawal will have a medical clearance hold placed on the student's record, which will temporarily preserve the enrollment for that future term assuming all financial obligations are met. The student will have until one week prior to the start of the future term to have completed the protocol listed

above and *have the hold removed*. The medical clearance form should be submitted one month prior to the first day of classes for the semester the student wishes to attend. The process normally takes about 14 working days, depending on the need for additional communication with the licensed provider.

If the medical clearance hold is lifted, the returning student may have additional holds on their record (e.g., conduct hold, financial hold, academic hold, etc.) that will need to be resolved through other areas of the University before the student may return. Additionally, to return, the student must meet any applicable admission and enrollment requirements of the University and of the school or college in which they wish to be enrolled.

## Financial Impact of Medical Withdrawals

The purpose of this policy is to provide academic relief to the student, not financial relief. Please refer to Student Account Services policy for the financial impact of withdrawals at different stages in the semester (<https://studentaccounts.ua.edu/financial-implications-of-withdrawal-impact-on-institutional-costs-and-charges/>). Financial questions may also be directed to Student Account Services, 205-348-5350.

## Other Options For Students When Medical Withdrawal is Not Appropriate

When Medical Withdrawal is not appropriate, the student is directed to his or her dean's office student services area for other potential options.

## Questions

Please call 205-348-7164 for clarification or more information.

## Academic Records

### Academic Calendar Year

The University of Alabama operates on the semester system, which includes fall, spring, and summer terms. For a list of all parts of term and important dates, please visit [registrar.ua.edu/academiccalendar/](http://registrar.ua.edu/academiccalendar/).

### Classification of Students

University of Alabama students are classified by credit hours earned. Read more. (p. 27)

### Department, Program, and Course Alpha Symbols

Learn which symbol and division matches each department, program, or course. Read more. (p. 359)

### Grades and Grade Points

A student's overall grade point average (GPA) is comprised of all work completed at the collegiate level, including work completed at The University of Alabama as well as work completed at other postsecondary institutions and accepted for credit at The University of Alabama in accordance with the Transfer Credit Policy. Read more. (p. 360)

### Honors

A dean's list and president's list of superior students are compiled and published following the conclusion of each semester. Read more. (p. 363)

## Transcripts

The University of Alabama official transcript is a complete record of a student's enrollment at UA, including all undergraduate, graduate, and professional courses. Read more. (p. 364)

## Academic Calendar Year

The University of Alabama operates on the semester system, which includes fall, spring, and summer terms. For a list of all parts of term and important dates, please visit [registrar.ua.edu/academiccalendar](http://registrar.ua.edu/academiccalendar).

## Classification of Students

University of Alabama students are classified as follows:

### Undergraduate Students

Freshman	0-30.999 semester credit hours earned
Sophomore	31-60.999 semester credit hours earned
Junior	61-90.999 semester credit hours earned
Senior	91 or more semester credit hours earned

### Law Students

First-year law student	Less than 27 hours earned in law courses
Second-year law student	27 hours earned in law courses
Third-year law student	54 hours earned in law courses

## Upper Division and Lower Division

Certain colleges and schools within the University recognize two enrollment categories, upper division and lower division. To progress from the lower division to the upper division in any college or school, the student must meet all requirements specified by that college or school. Admission to the lower division in a college or school does not guarantee progression to the upper division. Each student should consult academic advisors in the college or school of his or her enrollment to learn about the requirements for progression to the upper division.

## Undergraduate Course Inventory

This page contains a listing of all active undergraduate courses in The University of Alabama's course inventory by College. Click on any tab above to view the course titles, credit hours, descriptions, and prerequisites.

## College of Arts & Sciences Courses

### AAST201 Intro African Amer Study

SB

Hours 3

A basic outline of the diversity and complexity of the African-American experience in the United States: the early academic and social concerns of Black Studies advocates; the changes in the field's objectives that arise from its connections to contemporary social movements for Black Power, women's liberation and multiculturalism; and its major theoretical and critical debates.

Social and Behavioral Sciences

**AAST221 Contemporary In(queer)ies**

Hours 3

In her essay "Queer and Now," Eve Kosofsky Sedgwick offers a rumination on the political, epistemological and pedagogical imports of "queer" at that moment: "That's one of the things that 'queer' can refer to: the open mesh of possibilities, gaps, overlaps, dissonances and resonances, lapses and excesses of meaning when the constituent elements of anyone's gender, of anyone's sexuality aren't made (or can't be made) to signify monolithically." This 3 credit hour course, takes up Sedgwick's suggestion of the possibilities of "queer" to consider the development of queer theory, queer studies, and queer politics. Although this course is organized thematically across a number of disciplines, it also resists a kind of stringent categorization or segmentation- mirroring the energy that has characterized this interdisciplinary field. While paying attention to the seemingly endless possibilities associated with queer theory, this course is profoundly committed to as Sedgwick argues to keep "same-sex sexual expression at "the terms definitional center," as not to "dematerialize any possibility of queerness itself."

**AAST222 LGBTQ Histories**

Hours 3

During the past decade, lesbian, gay, bisexual, transgender and queer (LGBTQ) Americans have achieved various forms of empowerment and visibility in the nation's political, legal, social, and cultural arenas. However, LGBTQ persons continue to face various barriers to full equality and well-being including employment discrimination, high rates of homelessness among teens, violence, and inadequate access to health care. This 3 credit hour course places will focus on the events emergence of the last decade into a longer history of LGBTQ communities, visibility and politics that begins LGBTQ community in the late nineteenth 20th century and ends in the early twenty-first century. American Culture. During the semester, we will explore the historical development of LGBTQ identities, communities, politics, and cultural production. Together, we will analyze an array of materials including scholarly texts, oral histories, newspapers, films, photographs, art and political ephemera.

**AAST225 Black Women's Experiences in the South**

Hours 3

Southern/Black/Woman. This demographic descriptor encompasses notable figures - Ida B. Wells, Bessie Smith, Condoleezza Rice, Beyoncé – and millions whose names and individual stories are often marginal to American memory and public policy. This course examines various aspects of Southern Black Women's lives and labors, pain and pleasures, adventures and adversities from the nineteenth century to the present day. Students will analyze an array of materials including: memoirs/ autobiographies, oral histories, secondary scholarship, census data, paintings, photographs, film, television and music. Using in-class activities, discussion and writing assignments, this course addresses one central question: What can the academic study of Black Women's experiences in the South reveal about gender, race, class, and sexuality in the United States (past and present)?.

**AAST249 African American Literature**

HU, L

Hours 3

Survey of African American literature from its earliest expressions to the present. In order to identify the aesthetics of the African American literary tradition, the course material includes spirituals, slave narratives, poetry, drama, autobiography, fiction, and nonfiction.

Prerequisite(s): (Undergraduate level EN 101 with minimum Grade of C- and Undergraduate level EN 102 with minimum Grade of C-) OR (Undergraduate level EN 103 with minimum Grade of C- or Undergraduate level EN 104 with minimum Grade of C-) OR (Undergraduate level EN 120 with minimum Grade of C- and Undergraduate level EN 121 with minimum Grade of C-)

Humanities, Literature

**AAST302 The Black Church**

Hours 3

A survey of mainstream Christian expressions of black spirituality as well as other forms of sacred collective consciousness. Study of local churches and theology is encouraged.

**AAST303 Education Of Southern Blacks**

Hours 3

A study of the "miseducation" of Africans in America. The course explores education for blacks from West Africa at the middle of the second millennium and early American society to the emergence of the separate school system of the 19th and 20th centuries.

**AAST304 Civil War Still Lives': Race, Memory, and the Politics of Reunion**

Hours 3

For over 150 years, the Civil War occupies a prominent place in our national memory and has served to both unite and divide Americans. This course will explore the various ways in which Americans have chosen to remember their civil war through reunions, monuments and memorials, histories, literature, film, museums as well as other forms of popular culture. We will examine how memory of the war changed over time as well as the political implications for Civil War memory, the nation, and identity in understanding both historical and contemporary debates.

Prerequisite(s): None

**AAST319 19th Century Black History**

Hours 3

Role of black Americans in American life from the 17th century to the beginning of the 20th century, with emphasis on the institutions and events of the 1800s.

**AAST322 Slave Resistance**

Hours 3

This course introduces students to the major themes, questions, primary sources, monographs, and fiction in regards to slave resistance in the United States and Atlantic World. Specifically, course readings and assignments will revolve around agency and empowerment of enslaved individuals, power relations between masters and enslaved individuals and the various forms of resistance (everyday acts, runaways, rebellions, and marronage).

**AAST323 Hate Crimes**

Hours 3

What are the causes and consequences of bias-motivated crimes? What are the larger social and political contexts? In this class, students will examine how bias-motivated violence receives attention in the media, how and why hate crimes legislation came to be seen as a necessary legal tool to curb crimes based on race, gender, gender identity, religion, and sexual orientation. Students will also explore the opposition to such laws and the degree to which communities are able to respond to incidents of bias-motivated violence. Students will also explore the proliferation of hate groups and the impact of those groups on social and political debates over hate crimes laws.

**AAST333 Black Family Studies**

Hours 3

The field of Black Family Studies is an area that has received very little attention in the last decade. This course will use historical literature to address issues that have impacted Black families in America. Throughout this course, we investigate the various reasons why the majority of Black families are not the traditional units that were prevalent before the turn of the 20th century. A broad perspective will be taken to provide a balanced understanding of gender and the challenges men and women face from patriarchy, racism, mass incarceration, poverty, and economic exploitation. Students will be responsible for reading the assigned text and actively engage in class discussion.

**AAST336 Concepts of Race and Racism**

Hours 3

This course offers a critical introduction to the conditions of possibility for modern racial thinking, with particular emphasis on racial slavery and anti-blackness. We will begin with the working assumption that slavery is at the root of the problem of race and racism. In order to excavate this assumption, we will survey debates on 1) the origin and history of race and racism (from the Ancients to the early moderns); 2) the deployment of categories in contested proximity to race (from class to gender); and 3) the development of different conceptual paradigms (from double consciousness to political ontology) to parse the relationship between race and the world. Instead of resolving these debates, our problem-based approach will emphasize that texts are intellectual and political acts whose scope and framing bear on present problematics. In doing so, we will learn to mobilize our readings as theoretical and historical tools in interpreting the contemporary and interrogating our responsibility toward the themes of the class.

**AAST345 Black Politics**

Hours 3

This course examines the historical origins and present framework of Black politics, including the civil rights movement, Black political culture, local and community politics, and current and future issues for Black America such as Black imagery in television/film, Black feminism, sexuality, the War on Drugs, the impact of mass incarceration, and modern social justice and protest movements like #BlackLivesMatter. Students will explore questions regarding the history of race in American political life as well as how race has shaped a broader national identity. And evaluate what concepts like "equal treatment under the law" and "liberty and justice for all" mean with respect to the legacy of Black political participation.

**AAST350 Topics African American Lit**

Hours 3

A cross-genre survey of African American literature, historical events, and critical movements. Authors may include Frederick Douglass, Harriet Jacobs, Richard Wright, Zora Neale Hurston, Nella Larson, Langston Hughes, and Toni Morrison.

**AAST352 Social Inequality**

Hours 3

Analysis of inequities of wealth, power, and prestige; major theories of racial and cultural minorities; behavioral correlates of stratification; social mobility.

**AAST365 Diversity, Equity, and Inclusion in US Society**

Hours 3

Students in this course study the development of policies that seek to build a more equitable society in the US. Providing a historical perspective on how social change has occurred in the society, the course also discusses how change has taken place in the last few decades. How have societal institutions changed how the issues of race and gender are addressed since the Civil Rights Movement? How do we apply concepts such as diversity, intersectionality, community, equity, and inclusion throughout US society? The course provides students with an understanding of why these concepts are important, and how social change occurs today.

**AAST375 Freedom Beyond Rights**

Hours 3

Feminism understands itself to be fundamentally liberatory - that is, concerned with increasing liberty, particularly (but not exclusively) of women. Feminist political theory often treats freedom within a liberal framework that prioritizes individual rights: for example, the right to control one's reproductive health, the right to equal pay, or the right not to experience harassment. According to this framework, to be free is to enjoy one's rights without interference or limitation. The aim of this course is to think about freedom beyond rights. Specifically, we will consider what it means to be a free political actor, whether freedom is the highest political good, whether, and how, freedom is compatible with other values, such as equality and justice, and how different kinds of politics, social norms, and modes of living might affect attempts to increase and experience freedom.

**AAST395 Special Topics**

Hours 3

An examination of selected African American topics. May be repeated for a maximum of 18 hours.

**AAST401 Black Intellectual Thought**

Hours 3

An upper level seminar designed to provide students with an in-depth study of major intellectual debates and movements that have shaped the politics, history and identities of the people of African descent in the United States and the African diaspora. The course will combine methodologies and concepts from multiple disciplines including, history, political theory, literature, women's studies, sociology, psychology and philosophy.

Prerequisite(s): AAST 201 and AMS 201

**AAST402 Special Topics**

Hours 3-9

An examination of selected African American topics. May be repeated for a maximum of 9 hours.

**AAST413 Communication & Diversity**

W

Hours 3

Study and analysis of issues of diversity as they relate to groups in society and in communication fields. Emphasis is on the media's treatment of various groups in society. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**AAST415 African American Rhetoric**

W

Hours 3

A historical-critical investigation of African American public discourse from the Revolutionary era to the present, exploring rhetorical strategies for social change and building community. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**AAST434 Race, Ethnicity and Health Disparities**

Hours 3

This course is designed to provide the student with an overview of race and ethnicity as it relates to health as well as major issues facing the overall health status of our society. This class will provide examples for the application of minority health basic competencies in the field of community health and medical sociology. Topics to be covered include: mental health and individual behavior access to health care, socioeconomic status and racial differences, racial/ethnic group specific health issues. The health care system covers the physician-patient relationship and increasing commercialization in the health care system.

**AAST435 Black Feminism**

Hours 3

This upper level undergraduate and graduate course exposes students to the key figures, texts and concepts that constitute black feminist thought.

Prerequisite(s): AAST 201 or WS 200

**AAST436 Gender and Black Masculinity**

Hours 3

This course will examine the socio-historical perceptions and constructions of Black masculinities in various regions and periods. Students will also examine the social, political, and economic conditions of Black male life in the contemporary period and interrogate representations of Black men and boys in U.S. culture and society in relation to the broader politics of race, class, gender, and sexuality in the post-civil rights era. Specific attention will be paid to the history of ideas and approaches that have shaped and defined our understanding of Black males. Students will be introduced to historical and socio-cultural circumstances that affect Black males and the diverse nature of Black culture. This course will also attempt to heighten awareness and sensitivity to the contemporary problems affecting Black males and thus help discover and evaluate social policies and programs geared towards Black males.

**AAST490 AAST Independent Study**

Hours 1-6

Independent study on any subject pertaining to African-American studies, under the supervision of a professor in the chosen field and/or Director of the program.

**AAST495 Special Topics**

Hours 3

An examination of selected African American topics. May be repeated for a maximum of 18 hours.

**AMS100 Special Topics**

Hours 1

Selected American topics for lower-division undergraduate students offered by American studies faculty members or supervised teaching assistants. Some examples include the following five-week, one-hour courses: African-American Star Athletes, Superbowl Ads, Stand Up Comedy, Disney's America, and Why Eat Local?.

**AMS101 Special Topics**

Hours 1

Selected American topics for lower-division undergraduates offered by American Studies faculty members or supervised teaching assistants.

**AMS102 Special Topics**

Hours 1

Selected American topics for lower-division undergraduates offered by American Studies faculty members or supervised teaching assistants.

**AMS103 Special Topics**

Hours 1

Selected American topics for lower-division undergraduates offered by American Studies faculty members or supervised teaching assistants.

**AMS104 Special Topics**

Hours 1

Selected American topics for lower-division undergraduates offered by American Studies faculty members or supervised teaching assistants.

**AMS105 Special Topics**

Hours 1

Selected American topics for lower-division undergraduates offered by American Studies faculty members or supervised teaching assistants.

**AMS106 Special Topics**

Hours 1

Selected American topics for lower-division undergraduates offered by American Studies faculty members or supervised teaching assistants.

**AMS150 Introduction to American Pop Culture**

HU

Hours 3

Exploration of the relation between the arts - popular, folk, and elite - and American culture in four selected periods: Victorian America, the '20s and '30s, World War II and the Postwar Era, and the '60s. Class presentations and discussions revolve around novels, movies, art, music, artifacts, and readings about the periods. This course is team taught by all the members of the American studies faculty. Offered fall semester.

Humanities

**AMS151 America and the World**

HU

Hours 3

A broad survey of American culture formed by global, national, and regional influences. The first section, "World," looks at the United States as a product and shaper of international movements, ideas, and cultures from 1500 to the present. The second section, "Nation," examines the creation of a distinctly American identity between 1790 and 1890 that ultimately incorporated and reflected global issues. The third section, "Regions," focuses on the South and other regions as contributors to and consequences of national and global interactions. Team taught by the entire AMS faculty, lectures will include topics on film, music, literature, art, sports, and other cultural artifacts. Offered spring semester.

Humanities

**AMS200 Special Topics Amer Stud**

Hours 3

Selected American topics for lower-division undergraduate students offered by AMS faculty members or Americanists from related departments. Recent examples include The Asian-American Experience, The American Road, The Sporting Life, Baseball Since 1945, and Twilight Zone Culture. May be repeated for a maximum of 12 hours.

**AMS201 Intro African Amer Study**

SB

Hours 3

This course provides a basic outline of the diversity and complexity of the African American experience in the United States. It surveys the early academic and social concern of Black Studies advocates; the changes in the field's objectives that arise from its connections to contemporary social movements for Black Power, women's liberation, and multiculturalism; and its major theoretical and critical debates.

Social and Behavioral Sciences

**AMS203 Introduction to Southern Studies**

HU

Hours 3

This discussion-based course introduces students to major texts and interdisciplinary methodologies in the field of Southern Studies. Traversing epochs from before the Civil War until after the Civil Rights Movement, we will scrutinize the interplay between course materials (autobiographies, fictional texts, historical accounts, and films) and major political, cultural, and social forces influencing the region and the nation.

Humanities

**AMS204 Introduction to Western American Studies**

HU

Hours 3

A lecture/discussion course utilizing a biographical approach to the salient themes, issues, and episodes of the American West. Some of these lives are real, some of them imagined, and others are a little of each. All of them, however, reveal much about both region and nation and how each has changed over time.

Humanities

**AMS205 Dirty Jobs**

HU

Hours 3

This course explores jobs that get you "dirty." Work is one of the aspects that most shapes individual lives, and many lines of work are viewed as dangerous, dirty, or somehow unsavory by American society. This course uses films, TV shows, written narratives, and music to explore different types of "dirty" work in the United States.

Humanities

**AMS206 Native American Studies**

HU

Hours 3

There's a lot more to Native Americans than the first Thanksgiving, the Battle of the Little Bighorn, and casinos (although we'll discuss all those things too). This course will introduce you to the diversity of Native American societies, their histories, and their significant influence on American culture, contemporary U.S. policy, and law. We'll be examining everything from ancient archaeological artifacts to contemporary film and literature as we investigate the vital role of indigenous people in North America. As much as possible, we'll be directly engaging Native sources and voices as we explore the struggles over land, sovereignty, and culture that have shaped (and continue to shape) Native American lives.

Humanities

**AMS207 Intro to Latinx Studies**

HU

Hours 3

This course introduces students to the range of issues and analytical approaches that form the foundation of Latinx studies. By tracing the history of the Latinx concept in relation to key elements of life, such as time, space, identity, community, power, language, nation, and rights, students will develop understandings of the particular ways in which Latinx studies takes shape. Focus for the course will be on the largest Latino groups in the U.S.: those of Mexican, Puerto Rican, Cuban and Dominican descent.

Humanities

**AMS208 Rock, Hip-Hop, and Country**

Hours 3

This course will offer an introduction to popular music that young Americans used for two generations, to root their aesthetics, center their values, and test their ethical allegiances.

**AMS213 Honors Introduction to Southern Studies**

HU, UH

Hours 3

In this discussion-based honors course, students engage with major texts and methodologies in the interdisciplinary field of Southern Studies. We will study the history, literature, and culture of the U.S. South through autobiographies, fictional works, scholarly analyses, and popular media. We'll look at major events like the Civil War and Civil Rights Movement and evaluate varying and often conflicting ideas about what makes the South distinctive.

Humanities, University Honors

**AMS215 Introduction to Urban Studies**

Hours 3

The purpose of this course is to introduce students to the intricacies of city life and to look at how place and space shape the human experience. Throughout the course, we will examine the city as a physical and spatial place as well as a place defined by its people and institutions. We consider the social and behavioral relations that form communities, including the diversity produced by factors such as race, class, and gender. As we proceed through the course, you should come to understand that physical and social structures are related to one another, and often times, are inseparable.

**AMS222 Modern Gay America: Introduction to LGBTQ Histories**

Hours 3

During the past decade, lesbian, gay, bisexual, transgender and queer (LGBTQ) Americans have achieved various forms of empowerment and visibility in the nation's political, legal, social, and cultural arenas. However, LGBTQ persons continue to face various barriers to full equality and well-being including employment discrimination, high rates of homelessness among teens, violence, and inadequate access to health care. This 3 credit hour course places the events of the last decade into a longer history of LGBTQ communities, visibility and politics that begins in the late nineteenth century and ends in the early twenty-first century. During the semester, we will explore the historical development of LGBTQ identities, communities, politics, and cultural production. Together, we will analyze an array of materials including scholarly texts, oral histories, newspapers, films, photographs, art and political ephemera.

Prerequisite(s): None

**AMS231 Contemporary America**

HU

Hours 3

This course analyzes the changing nature of American values for the period dating from the 1970s through the 2000s by examining key developments in the everyday life patterns and cultural expressions of Americans in contexts that range from the local to the international. In doing so, we will draw connections between the economic and political contexts of these decades and contemporaneous works of creative expression and popular culture. This course also will serve as an introduction to the types of interdisciplinary research methods used in American Studies. Offered fall and spring semesters.\*.

Humanities

**AMS232 Honors Contemporary America**

HU, UH

Hours 3

This course analyzes the changing nature of American values for the period dating from the 1970s through the 2000s by examining key developments in the everyday life patterns and cultural expressions of Americans in contexts that range from the local to the international. In doing so, students will draw connections between the economic and political contexts of these decades and contemporaneous works of creative expression and popular culture. This course also will serve as an introduction to the types of interdisciplinary research methods used in American Studies.

Humanities, University Honors

**AMS280 American Pop Music**

HU

Hours 3

This course will tell the story of mainstream popular music in the United States from the arrival of rock and roll in the 1950s through to the present, including stops along the way for Top 40, soul, arena rock, country, punk, MTV, hip-hop, electronic dance music, American Idol, and the culture of streaming hits on YouTube and Spotify today. In addition to learning about different kinds of sounds, students will read work by artists, fans, and label people to think about how music shaped identity – the soundtrack of new groups emerging in American life.

Humanities

**AMS300 Special Topics**

Hours 3

Selected American topics for advanced undergraduate students, offered by American Studies faculty members or Americanists from related departments. Recent examples include American Hobo Subculture, World War II and Modern Memory, Women's Liberation Movement, Justice and Civil Society, Southern Sexual Cultures, and Cultures of American Slavery. May be repeated for a maximum of 12 hours.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

**AMS303 Education Of Southern Blacks**

Hours 3

A study of the "miseducation" of Africans in America. The course explores education for blacks from West Africa at the middle of the second millennium and early American society to the emergence of the separate school system of the 19th and 20th centuries.



**AMS305 Southern Poor Whites**

Hours 3

Shining a light on a marginalized yet momentous figure—the poor white—this class asks: What kinds of cultural work do representations of poor white Southerners do? How do depictions of poor white women's experiences differ from men's? How and why do accounts of poor white life in the South change over time? We will study scholarly analyses, fictional works, autobiographies, and movies in search of answers to these and other questions.

Prerequisite(s): 6 credit hours of Social/Behavioral (SB) or Humanities (HU) courses

**AMS310 The Latinx Experience**

W

Hours 3

This course focuses on the history of people of Latin American descent (Latinas/os) living in the United States. Although we will examine communities comprised of people of Central and South American descent, the focus of this course will be on the four largest Latinx groups: those of Mexican, Puerto Rican, Cuban and Dominican descent. Students will become familiar with issues that have affected different Latinx populations in the United States: migration patterns, cultural interaction, community and cultural formation; and racial formations. We will also examine relations among Latinx and European immigrants, and consider the affects of US intervention and imperialism in Latin America on US Latinx communities. Lectures, readings, and films will explore connections between the past and the present and provide students a forum to express their own viewpoints on the legacy of this history. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

Writing

**AMS318 Amusement and Tourism in America**

Hours 3

This course explores the centrality of amusement and tourism in defining the American pursuit of happiness. The course examines varied forms of leisure culture that emerged in the 19th century and exploded in popularity throughout the 20th century. By asserting connections between a wide range of amusement and tourist activities, the course provides a framework for understanding how Americans at play participate in a vibrant component of American social, economic, and aesthetic history.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

**AMS320 American Popular Humor**

Hours 3

This course explores major writers, performers, works, and themes of American humor that have achieved enduring popularity among mass audiences. It examines the social and historical contexts that reverberate in humor produced in the United States and focuses on three persistently popular mediums: prose and performance; film; and the television situation comedy.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

**AMS321 African American Folk Art**

W

Hours 3

An examination of the objects created by African Americans variously classified as "folk," "self-taught," and "outsider" artists. Course material will address the African origins and American transformations of traditional arts and crafts (architecture, pottery, iron work, and quilting) as well as the work of selected 20th-century artists in such media as painting, sculpture, and assemblage. Key concerns will include not only analysis and cultural/historical contextualization of these artists and their works but also political and theoretical debates with respect to issues of collection, modes of exhibition, and use of the above-listed classifications. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. One of the written assignments will be graded and returned before the mid-term.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

Writing

**AMS323 Into the Wild: Nature and American Popular Imagination**

Hours 3

This course examines the often contentious and always passionate American relationship with "nature," an idea as much as a physical reality. Students consider the varying ways that nature has been imagined over a wide range of time periods and through the lenses of various forms of creative expression and cultural practices. The course explores how our complex relationship with "nature" has influenced American culture at large, its history and mainstream values.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

**AMS325 America West And 19th Century**

Hours 3

Few things remained so central to the 19th American century experience as the West, a region to be explored, inhabited, and incorporated into an expanding urban-industrial society. From Lewis and Clark to Buffalo Bill, this lecture/discussion course examines the relationship between America and the West as it developed throughout the 19th century.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

**AMS326 The Modern West**

Hours 3

This lecture/discussion course examines the growth of the American West during the 20th century as both the embodiment of modernity and, as mythic imagination, an escape from the very modernity it represents.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

**AMS330 The Great Depression**

Hours 3

This course explores the Great Depression, the single most important economic event of the 20th Century. We will focus on the causes, events, policies, movements, personalities, and human tragedy and triumph of this era through an interdisciplinary historical perspective that will examine aspects of this twentieth century crisis. As an American Studies course, we will use films, TV shows, written narratives, and music to explore the era.

**AMS334 Science Fiction: Borders of Identity**

W

Hours 3

This course looks at science fiction through literature, film, and television. We'll explore how futuristic settings reflected anxieties of the all-too-real present. These included the impact of new technology, changing notions of race, gender, sexuality, and class, threats to life such as the Cold War, and the general sense of constant, rapid change in modern life. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 6 credit hours of HU or SB courses.

Writing

**AMS336 Rock, Soul, Hip-Hop and Country**

W

Hours 3

After 1965, rock and roll became rock, representing the counterculture; rhythm and blues became soul, representing Black Power; and country music became the emotional voice of the post-Civil Rights white South. This class contrasts these three dominant American popular music genres, with particular emphasis on how race, but also gender, class, and region, came to invest certain sounds with charged social significance. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Students must have completed at least 6 credit hours of AMS or other SB/HU courses.

Writing

**AMS340 Women in the South**

W

Hours 3

What insights into American experience are afforded by reading nineteenth- and twentieth-century texts in which Southern women engage questions of gender, class, race, labor, and region? This class will explore fictional and nonfictional prose by and about Southern women in order to examine how historical, cultural, and sociopolitical factors have shaped the lives and writings of women in the South. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): To enroll, a student must have completed six credit hours in AMS courses.

Writing

**AMS341 African American Art**

Hours 3

An examination of the work of formally trained 20th century African American painters, sculptors, and photographers in relation to broader currents in the social and cultural history of the United States. Examines ways in which African American art has alternately reflected, shaped, and challenged such important historical events and currents as the Harlem Renaissance, the Great Depression, the Cold War, the Civil Rights and Black Power movements, the Women's Movement, and contemporary identity politics. Also evaluates the contributions of selected artists in relation to such key art movements as Modernism, Social Realism, and Postmodernism.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

**AMS345 The American War on Drugs through Film**

Hours 3

This course examines the American War on Drugs through film. The course starts with the premise that the content in films, and the events contemporary to the making of the films, should be critically analyzed for their perspectives, biases, reliability, and interpretive choices. In the course, students will examine the ability of film to successfully portray the war on drugs and analyze how present events, cultures and attitudes shape our view of the past. Students will examine how the history of drugs in the U.S and how the war on drugs affects people of different nationalities and of different racial and ethnic groups.

**AMS350 Honors Women in the South**

UH, W

Hours 3

What insights into American experience do we gain by reading texts in which Southern women engage questions of gender, class, race, labor, and region? In this course, students will explore fictional and nonfictional prose by and about Southern women in order to examine how historical, cultural, and sociopolitical factors have shaped the lives and writings of women in the South. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

University Honors, Writing

**AMS352 American Folklore***W*

Hours 3

This course examines genres of American folk culture expression such as ghost stories, urban legends, foodways, music, and art—paying special attention to how these diverse forms of expression reflect and shape regional, ethnic, class, and gender identities. Course materials include ethnographic writing, sound recordings, film, and folklore scholarship. The course also will consider the competing definitions of “folk” and “folklore” prevalent from the late 19th century to the present. Assignments will emphasize student collection and analysis of original folklore material. Because this course carries a “W” for the Core Curriculum, writing proficiency within this discipline is required for a passing grade.

Prerequisite(s): 6 SH Humanities or Social Sciences or permission of instructor.

Writing

**AMS367 The American Game**

Hours 3

Lecture topics, readings, and classroom discussions will pursue major connections between baseball and American society from 1880 to the present: (1) the modernization of America and the rise of an urban, industrial game; (2) baseball and race; and (3) postwar America and baseball.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

**AMS380 Imagining the Indian: Native Americans on Page and Screen***W*

Hours 3

Native American imagery is widespread in American culture, from butter packaging to sports mascots and from children’s picture books to epic films. These depictions have embedded ideas about American Indians—often romanticized, stereotyped, or just inaccurate ideas—in the imaginations of millions of readers and film-goers. In this course, we will examine representations of Native Americans in art, writing, film, music, and more, ranging from early encounters between Natives and newcomers to contemporary pop culture. We’ll consider continuities and changes in how Indians have been imagined by outsiders, while also exploring Native self-representation in the face of cultural appropriation and stereotyping. We’ll explore a variety of methods and sources as we reflect on the pervasiveness of ideas about, and images of, Natives in American culture. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

Writing

**AMS400 Internship**

Hours 1-3

An internship opportunity that combines independent study and practical fieldwork experience focusing on a particular problem or topic related to American culture and experience. Examples are internships in archival fieldwork, material culture fieldwork, museum management, and sound recordings. Credits earned in this course are applicable to the major and minor in American studies but are not counted in 400-level requirement. May be repeated for a maximum of 6 hours.

**AMS401 Black Intellectual Thought**

Hours 3

An upper level seminar designed to provide students with an in-depth study of major intellectual debates and movements that have shaped the politics, history and identities of the people of African descent in the United States and the African diaspora. The course will combine methodologies and concepts from multiple disciplines including history, political theory, literature, women’s studies, sociology, psychology and philosophy.

**AMS402 Special Topics**

Hours 3

Selected African American topics for advanced undergraduate students. May be repeated for a maximum of 12 hours.

**AMS403 Honors Research - Ams***UH*

Hours 3

Internship opportunity that combines guided and independent study with on- or off-campus research experience involving a particular methodological approach to American culture and experience. Examples are social science methods, oral history, original manuscript research, and technology.

University Honors

**AMS405 Directed Study**

Hours 1-3

May be repeated for a maximum of 6 hours.

**AMS406 Directed Study**

Hours 1-3

Independent study in American Studies.

**AMS407 Landscapes of the South***W*

Hours 3

A study of environmental and cultural landscapes of the American South, as altered and used by successive waves of native peoples, explorers, immigrants, laborers, industrialists, and urban builders, addressing historical and contemporary environmental challenges. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**AMS412 On The Road**

W

Hours 3

This course examines the American love affair with the open road. It considers the dramatic influence of car culture on the national imagination and the many ways it permeates and defines the United States. Drawing from an array of literary, historical, and cultural sources, the course encourages students to examine how writers, filmmakers, and artists in all mediums demonstrate the pervasiveness of the road in our historical, literary, and cultural imagination. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 SH Humanities/ and or Social Sciences courses or permission of instructor

Writing

**AMS416 American Environmental Thought in a Global Context**

W

Hours 3

Popular conceptions of nature hold extraordinary power in shaping our responses and policies toward both the geophysical world and built environments. This interdisciplinary course examines key concepts and controversies in American thought about nature since before colonization. Using accounts from various regions, the course explores evolving conceptions of nature and justice, competing claims about race and class, and changing institutional responses and remedies to environmental degradation in the context of global change. The course is highly interactive, inviting critical thinking about the human place in the physical world. We read and discuss ecological views as presented in colonial writings, slave narratives, Transcendentalist thought, Gilded Age preservationist and conservationist debates, and the work of Progressive Era occupational health specialists and ecologists. We give specific attention to twentieth century social movements for environmental public health, examining contemporary approaches, including eco-feminism, environmental justice, and sustainability. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Permission of the instructor.

Writing

**AMS420 Mark Twain's America: America's Mark Twain**

Hours 3

This course employs the life, work, and times of America's most celebrated author to examine American popular culture from the mid-nineteenth century to the present. In addition to exploring his major works and his times, the course considers his impact on popular culture to this day—from film adaptations of his work, to pop-culture references, to the traditions of American humor and cultural criticism.

Prerequisite(s): 9 SH Humanities/ and or Social Sciences courses or permission of instructor

**AMS421 Writer & Artist in America**

W

Hours 3

This course offers a comparative examination of responses by 20th century literary and visual artists to perceived social crises and challenges to American cultural values, such as sex in the early 20th century American city, working class struggles during the Great Depression, issues of atomic anxiety during the early years of the Cold War, the ethical dilemmas of the Vietnam War, the perils of the AIDS/HIV crisis, and the flourishing of contemporary consumer culture. The course also introduces several important movements in twentieth century American arts and letters, including Naturalism, Modernism, Social Realism, the Beat movement, Social Surrealism, and Postmodernism. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 SH Humanities/ and or Social Sciences courses or permission of instructor

Writing

**AMS422 Popular Culture in America**

W

Hours 3

A selective survey and analysis of 20th century U.S. popular culture—particularly, comic books, fan culture, television, music, advertising, and sports. Examines ways in which popular culture has reflected and shaped aspects of American society such as gender ideologies, economics, race, class, and regional identity. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 SH Humanities/ and or Social Sciences courses or permission of instructor

Writing

**AMS423 The Roots of American Music**

W

Hours 3

This class surveys American music from ragtime, blues, and hillbilly to Broadway, Hollywood musicals, and swing jazz. Our focus will be on commercial mainstreams and democratic audiences – how selling sound led to different identities being expressed through taste and style. Race, gender, class, sexuality, age, technology, and the music business will all factor as we move from blackface minstrelsy in the 1800s to World War II. We will listen closely to several songs each week, connecting music to larger themes through primary and secondary sources, regular writing, and in-class discussion. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 SH Humanities/ and or Social Sciences courses or permission of instructor.

Writing

**AMS429 America between the Wars**

W

Hours 3

Explores first two decades of America's "Modern Times" (1919-1941) when Americans redefined themselves and their society embracing and debating (sometimes hotly) old beliefs, new conceptions, and the implications of a machine-driven, modern-mass society. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 SH Humanities/ and or Social Sciences courses or permission of instructor

Writing

**AMS430 Special Topics**

Hours 3

Selected American topics for advanced undergraduate majors in American studies, offered by American Studies faculty members or Americanists from related departments. May be repeated for a maximum of 6 hours.

Prerequisite(s): Nine Semester Hours of humanities or social science courses or Instructor's Permission

**AMS439 Urban Spaces: The Nature of Cities**

W

Hours 3

This interdisciplinary social science course provides an introduction to the cultural and physical ecology of cities, focusing primarily on urbanization in the United States from the late 19th century to the present. Course readings include classical scholars in urbanism and urban design. Contemporary urban environmental histories explore population shifts and land use along the urban gradient from the suburbs to urban centers, with attention to water, sewer, and transportation infrastructure, pollution, and urban sprawl. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**AMS445 The "Good War"**

W

Hours 3

Examination of selected topics from the American experience during the Second World War. Topics include the Homefront, the Holocaust, race relations, the emergence of American air power, and the impact of the war on American memory and postwar American society. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 SH Humanities/ and or Social Sciences courses or permission of instructor.

Writing

**AMS450 (En)gendering Black History: Black Feminist Thought and Action in American History**

Hours 3

In the Zora Neale Hurston classic, *Their Eyes Were Watching God*, the protagonist's (Janie) grandmother described the gender and racial norms that dictated their lived experiences as women and racial minorities under the Jim Crow regime. This class places the experiences and expressions of black women like Janie and her grandmother at the center of scholarly and pedagogical explorations of black feminist thought and action. Beginning with black women's responses to legal racialized chattel slavery in the nineteenth century and ending in the early twenty-first century, we will examine how black women in the United States articulate(d) politicized understandings of and responses to interlocking oppressions including racism, sexism, patriarchy, heterosexism, classism, etc. This interdisciplinary course will also examine African American gender and sexual politics, interactions between black women and the state, moments of coalition and conflict between black and white women, as well as the diverse nature of black feminist thought.

**AMS465 Fictions of American Identity**

W

Hours 3

This course explores nineteenth- and twentieth-century American literature and culture. Novels and short stories by Zora Neale Hurston, Henry James, Gish Jen, James Weldon Johnson, Toni Morrison, Vladimir Nabokov, and other writers are studied in the context of debates over slavery, national identity, women's roles, immigration and assimilation, social mobility, sexual mores, consumer culture, and race relations. Paper assignments emphasize close reading techniques and process-oriented writing. Assigned literary critical readings include papers written by students in this class and subsequently published in *The Explicator*, a journal of text-based critical essays. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 SH Humanities/ and or Social Sciences courses or permission of instructor.

Writing

**AMS470 Natives and Newcomers: Cross-Cultural Encounters in Early America**

W

Hours 3

The colonization efforts of European empires in the early modern period led to cross-cultural encounters between societies previously unfamiliar with one another, introducing each of them to unfamiliar ideas, cultures, political systems, and landscapes and changing their lives in profound ways. This course explores the complex interactions between Native American, European, and African peoples in North America, with a particular focus on the region that is currently the Southeastern United States. Such cross-cultural contact could result in valuable collaborations, deep misunderstandings, violence, or contests for power. How were interactions with unfamiliar peoples described and understood by Native Americans, Europeans, and African peoples in North America? How did the circulation of peoples and cultures shape ideas about 'America' and 'Americaness'? Is 'encounter' a single event, or a long process? Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Six hours of Humanities and/or Social Sciences courses or permission of instructor.

Writing

**AMS492 Capstone Research Seminar**

Hours 3

This capstone seminar explores a specific topic related to American cultural experiences and expressions. No matter what the subject focus will be in any particular year, students will initiate, develop, and complete a major research project using primary and secondary sources and interdisciplinary approaches. Recent topics have included Death in America, Mapping Native Alabama, The American City, The Drug War, Social Protest Movements, Cold War America, Americans Abroad, Folklore, and Science Fiction.

Prerequisite(s): Nine Semester Hours of American Studies Courses or Instructor's Permission

**ANT100 Anthropology: The Study of Humanity**

SB

Hours 3

This course introduces students to the subfields of anthropology and demonstrates the benefits of a holistic approach to understanding globalization, multiculturalism, and cultural diversity. The concepts of evolution, human prehistory, language, and culture are explored as well as the diversity of human cultural patterns, including variations in marriage, kinship, and religion.

Social and Behavioral Sciences

**ANT102 Intro to Cultural Anthropology**

SB

Hours 3

An introduction to the discipline of cultural anthropology, the branch of anthropology that examines the rules and behaviors of contemporary human cultures. The course will demonstrate the importance of a holistic approach to understanding human diversity, and compare and contrast the various developments cultures use to tackle the universal problems of human living. SB Credit.

Social and Behavioral Sciences

**ANT103 Discoveries In Archaeology**

SB

Hours 3

This course examines the major archaeological discoveries of the last two centuries that have led to significant insight about the nature of human organization. Not only will some of the broader cultural patterns in human prehistory be explored such as the origins of writing, religion, art, calendar systems, agriculture, and cities, but we will also learn about several remarkable archaeological sites and phenomena, including Stonehenge, the pyramids of Egypt, upper Paleolithic cave paintings, Machu Picchu and many other impressive achievements of the past.

Social and Behavioral Sciences

**ANT106 Native Peoples of North America**

SB

Hours 3

Comprehensive overview of the prehistory, history, and modern day cultural diversity of Native Americans throughout North America. Historical and technological developments of different native groups are explored including changes as a result of European contact and the more recent attempts to revitalize Native American culture.

Social and Behavioral Sciences

**ANT107 Intro to Archaeology**

SB

Hours 3

Overview of the methods archaeologists use to study prehistoric cultures and an introduction to the study of human culture over the past two million years.

Social and Behavioral Sciences

**ANT208 Anthropology of Sex**

Hours 3

This course is an introduction to human sexuality from a biocultural perspective with emphases on sexual diversity and pluralism and psychosexual evolution. It traces the evolution of human sociosexual behavior, including human sexual physiology, reproductive strategies; contemporary courtship, mating and marital patterns; gender differences in the brain and behavior; and sexual and social emotions. It compares the sexuality of humans to non-humans, especially to that of other primates. It also discusses human sexuality from the perspective of different cultures throughout the world. Among other topics, the course will address the psychobiocultural dimensions and implications of attraction, fidelity sex techniques, gender, incest, homosexuality and transexuality and sexually transmitted diseases.

**ANT210 Language and Culture**

SB

Hours 3

Human activity in its linguistic, cultural, and social contexts; interrelationships between culture and natural language; and the influences of language and culture on thought and behavior.

Social and Behavioral Sciences

**ANT217 Peoples of Asia**

Hours 3

This discussion-based course explores the anthropology of Asia, with a different topical focus each semester. These foci include diverse subjects of anthropological study (marriage, class mobility, labor, masculinity, politics, medicine, freedom). Over the course of the semester, students will pay special attention to how these subjects are shaped by the circulation of social movements and globalizing forces like production and consumption, global media, and human rights discourses. In so doing, this course will raise questions about the relationships between theory, epistemology and method as they pertain to the anthropology of Asia, and to anthropology more generally.

**ANT225 Introduction to Global Health**

SB

Hours 3

This course covers the biological, cultural, social aspects of major international health issues, especially in the areas of infectious disease, nutrition, and environmental health. The course will also explore the integration of anthropology in global health work. Other topics include population groups with special risks, policies and programs designed to reduce health inequalities, and basic methods used to study global health.

Social and Behavioral Sciences

**ANT250 Issues in Anthropology**

Hours 3

This course is a flexible listing designed to cover specific topics in anthropology not already offered through an existing course. It is similar to ANT 450 Problems in Anthropology, but allows students with less exposure to ANT or the particular issues addressed an opportunity to learn more at a more introductory level.

**ANT259 Lithic Technology & Manufacture**

Hours 3

This laboratory course is designed to examine stone production technology, especially chipped stone, in past and present populations. Topics are directed toward the understanding of lithic tool classes through experimental stone tool making but also examination of tool manufacture in an anthropological context, include the selection of materials, manufacturing techniques, discarding practices of past and present tool makers. Additional class time will be devoted to discussions of archaeological techniques to measure and date prehistoric tools including micro-debitage analysis, x-ray fluorescence spectrometry in the service of lithic technology, and biface analysis. Students are required to purchase a flintknapping kit.

**ANT261 South American Archaeology**

Hours 3

At the time of European contact, chroniclers who visited South America wrote in awe of its diversity of peoples and cultures, its sheer richness of natural resources, its wealth, monuments, and urban centers, and its technological achievements. Indeed, South America witnessed the development of social complexity early in prehistory, a prehistory that includes the rise and fall of state-level societies, kingdoms, and empires—all without the use of writing and such inventions as the wheel. In this class, we will examine how the history of South America is situated within the history of humankind as a whole. We will survey the region's cultural history, beginning with the peopling of South America in the Pleistocene epoch and ending with the impact of European colonization on native peoples in the Andes, Amazonian, and the Caribbean. We will learn about the role that archaeology is uniquely capable of playing in bringing to light the continent's fascinating past and learn about the material culture and biological/environmental factors that make the region singular in comparison to other culture-areas of the world.

**ANT262 UA Excavations at Vergina, Greece**

Hours 3

This is a collaborative project between the University of Alabama (UA) and Aristotle University–Thessaloniki (AUTH). For two weeks each summer students will participate in ongoing excavations at the world-famous Vergina site, home of Philip II of Macedon, father of Alexander the Great.

Prerequisite(s): ANT 107 and CL 323, and approval by instructor (s). The course is only open to UA undergraduates.

**ANT270 Intro to Biological Anthropology**

N

Hours 4

An introduction to human evolution, biological variation, and adaptation, from the deep past to the present, with a special focus on the biocultural foundations of human nature. Students will become familiar with cutting edge evidence from the fossil record and molecular biology about our origins and prehistory, and how humans today respond to our widely varying physical and social environments.

Natural Science

**ANT275 Race, Ethnicity Human, and Variation**

Hours 3

Historical and contemporary perspectives on human biological diversity, including the concepts of race, ethnicity, adaptation, and some of the social implications of these views.

**ANT302 Language and Race**

Hours 3

This course examines language as practice in relation to the concepts and consequences of race, racism and racial identity in the contemporary U.S. Based in linguistic anthropology but also drawing from medical anthropology, the course emphasizes the connections between language, embodied experience, and health in the context of culture. The course examines links between everyday language and cultural processes of racialization as they occur in educational contexts, healthcare settings, in the media, in religious practice, in music, on social media, and in public policy discourse. After reviewing several core concepts in linguistic anthropology, the course focuses on understanding how power is enacted in everyday language; how speakers of various language varieties experience everyday interaction in various contexts; how “code-switching” works in complex social encounters; how “style” and “stance” are drawn upon in racialized identity construction (for all speakers); and how language, race, and gender work together in interaction.

**ANT303 Maya Language and Culture**

W

Hours 3

This course covers the basics of Hieroglyphic Mayan and Classic Maya culture using the outstanding material legacy of the ancient civilization. It explores the indigenous Maya myths, histories, and stories of life at the ancient courts of lords and nobles. The course begins with an overview of Classic Maya writing and its historical and cultural contexts. After the introductory section on the fundamentals of Maya glyphs, each week combines a discussion of the grammar of the Hieroglyphic Mayan and thematic lectures on a range of topics from tags and texts on drinking cups to parallels between Pre-Columbian, Colonial, and present-day Maya literatures. The lectures are accompanied by practical translation exercises and three essay assignments. The course does not require any prior knowledge of Mayan languages or hieroglyphs. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**ANT305 Tattooing and Human Nature**

Hours 3

This course provides an introduction to body modification through the lens of tattooing. Today, one in four Americans has at least one tattoo, and peoples of the world have been tattooing for over 5500 years, based on evidence of tattooed mummies found throughout the world. Yet tattooing can be a health risk, even in an era of improved hygiene and sanitation. This course explores body use from the 4-field anthropological perspective—biological, cultural, linguistic, and archaeological—with a special focus on tattooing.

**ANT307 Science, Technology, & Justice**

Hours 3

This course examines the complex relationships between gender, race, culture, science, and technology from an anthropological perspective. The course provides an array of vantage points to analyze complex social issues and centers the perspectives and contributions of historically marginalized people in the U.S. Drawing upon intersectional quantitative and qualitative inquiry, we address questions surrounding how to create more diverse, equitable, ethical uses of science/technology.

**ANT311 Population, Health & Human Origin**

Hours 3

Focuses on the relationships among human ecology, population growth, health and disease, and adaptation in modern and prehistoric societies. Explores the origins of infectious diseases, emphasizing the principles of epidemiology and evolution of pathogens.

Prerequisite(s): ANT 270

**ANT312 Non-Human Primates**

Hours 3

This course is an introductory survey of the world's living non-human primates. The focus is on the taxonomy, anatomy, behavior, ecology and cognition of our closest living relatives. It is intended both as a starting point for further coursework in primate behavior and as a survey course for non-science students.

Prerequisite(s): ANT 100 or ANT 270 or permission of the instructor.

**ANT317 Anth-Modern Life**

Hours 3

Application of anthropological theories and findings to selected issues and problems of living in complex industrialized societies. Offered according to demand.

Prerequisite(s): ANT 100 or ANT 102

**ANT319 Ancient New World Civilization**

W

Hours 3

An introduction to the ancient civilizations of Mesoamerica and South America. Explores the development of economic and political institutions as well as hieroglyphic texts, art styles, and religious rites. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 107 or permission of the instructor.

Writing

**ANT322 Anthropological Perspectives on Complementary/Alternative & Integrative Medicine**

Hours 3

This course offers students a broad understanding of Complementary/Alternative (CAM) & Integrative Medicine (IM), including a basic appreciation of the multiple existing modalities and healthcare philosophies that draw together diverse healing traditions and perspectives on the person in innovative forms of clinical practice. We will not only learn the various existing definitions of “integration” in healthcare, but we will also examine the ways in which IM is being researched in medicine and beyond, and the implications of such research for both mainstream and alternative clinical practice. The course focuses especially on CAM/IM in the US, but also includes perspectives on CAM/IM as it has developed in Europe, Asia, and Africa. Students will thus develop an anthropological perspective on the socio-cultural, political, and economic context of multiple forms of CAM/IM.

Prerequisite(s): ANT 102



**ANT326 Service Ethnography**

Hours 3

This class integrates community service and anthropology, with the goal of co-creating solutions to stakeholder-identified challenges. Students will be paired with a community organization, such as the West Alabama Food Bank or UA's Parent Teacher Leadership Academy, and will commit to a minimum of three (3) volunteer hours per week, in addition to our weekly course meeting. Through participant observation and informal interviews, students will work with the organization and the community it serves to determine the needs necessary to address the stakeholder challenge. This will require that that students meet with their group and relevant stakeholders outside of class time.

**ANT361 Environmental Archaeology**

Hours 3

Humans have transformed and interacted with their environments for thousands of years. Using scientific techniques from earth sciences, biology, and other interdisciplinary sciences, archaeologists can gain insights into past human life. This course explores the varied applications of environmental reconstruction in the investigation of archaeological sites. Students will be introduced to a variety of analytical techniques, including methods for dating and paleoenvironment and climate reconstruction. Students will also learn how to interpret and integrate these data to better understand past human societies and their environments.

**ANT366 Field Archaeology**

Hours 6

In this course students will participate in an archaeological survey and testing at Moundville and surrounding sites, learning how archaeological research is structured and enacted. Working as a team, students will learn archaeological excavation and survey techniques, including how to identify, record, map, and document archaeological artifacts and features. Students will also become familiar with shallow geophysical survey techniques, including electrical resistivity and magnetic gradiometry, and advanced mapping and surveying methodologies.

**ANT368 Southeastern Archaeology**

Hours 3

Origin and development of pre-Columbian and early historic cultures of the Southeast. Offered according to demand.

Prerequisite(s): ANT 107

**ANT401 Theory and Method in Linguistic Anthropology**

Hours 3

Scientific study of natural language, phonology, grammar, lexicon, meaning and the role of linguistics in anthropological research.

Prerequisite(s): ANT 210

**ANT402 Health Inequities**

W

Hours 3

Explores the gendered, ethnic, cultural, and class dimensions that underlie the patterning of disease and illness worldwide, with attention to the long-term health effects of racism, sexism and poverty. Topics include reproductive and sexual health, obesity, body image, HIV/AIDS, mental illness, homelessness, and more. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Either ANT 100 or ANT 102 &amp; 3 additional hours, or consent of instructor.

Writing

**ANT405 Culture, Mind, and Behavior**

W

Hours 3

An examination of how culture influences individual thought, emotion, and behavior, and how culture is shaped by individual psychology. Topics include: models of culture; culture and visual perception; culture and personality; culture and mental health; as well as other topics. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 102

Writing

**ANT406 Biocultural Bodies**

Hours 3

This course will explore the body as the object and subject of culture. It will examine how viewing the body as a biocultural canvas and looking at culture as "lived through" the materiality of the body influences our understandings of health and health care. Students will be challenged to examine health as a concept that is quantifiable and generalizable as well experiential and person-centered. They will be challenged to view the discipline of medicine as a framework for employing verifiable and shared (or questionable and contested) knowledge of biological systems whose foundational assumptions and core meanings are grounded in particular social and cultural worlds.

Prerequisite(s): ANT 102

**ANT409 Ancient Maya Civilization**

Hours 3

What was the lived daily experience in the pre-contact Maya world? How did aspects of material culture— such as architecture, food, musical instruments, tools, and clothing— frame Maya society, and how were these elements also framed by it? How are perceptions of the ancient Maya marshaled in today's politics and policies? In this course, we will engage with the world of the pre- and post-contact Maya, through scholarship that explores the material culture of daily life. The course is arranged around framing questions about the past through ethnographic and ethnohistoric accounts of daily life; using diverse scientific methods and theoretical perspectives to address these questions; and interpreting and possibly re-interpreting daily life of the ancient Maya, focusing on the dynamic interplay between the material and the social.

Prerequisite(s): ANT 107

**ANT410 Ethnography of Communication**

Hours 3

Students in this course will learn to use the concepts and methods of ethnography of communication by developing and carrying out a research project on language and social interaction. You will learn how social interaction is organized, how to document and study it, and how to address such evidence to anthropological and applied problems. The goal for the course will be for each student to produce a report based on their research and for the work to be of sufficient substance, quality, and intellectual and/or applied significance, that it would be an ideal submission for the UA Undergraduate Research & Creativity Conference in the following semester. Students will finish the course with a critical and sophisticated understanding of how social interaction works in a variety of contexts.

Prerequisite(s): ANT 401 or ANT 210 or permission from instructor

**ANT411 Culture, Health, and Healing**

W

Hours 3

A cross-cultural overview of medical systems, and the health, illness, and healing experiences within them. Patients and healers will be studied through the lens of etiology, help seeking, diagnosis and treatment. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**ANT412 Anthropology of Europe**

W

Hours 3

The course examines ethnicity, nationalism, democratization, unification, and fragmentation with an emphasis on specific countries or regions within Europe. Classic anthropological topics, such as kinship, political organization, ritual, and religion are employed in the study of European nations, ethnicities, and minority communities. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 102

Writing

**ANT413 Peoples of Latin Amer**

W

Hours 3

A review of selected aspects of Latin American social systems and cultures. Topics include social structure, ethnicity, economics, material culture, gender roles, religion, sports, and political systems. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Either ANT 100 or ANT 102 &amp; 3 additional hours, or consent of instructor.

Writing

**ANT414 Anthropology of Africa**

Hours 3

A survey of the standards, customs, and beliefs that typify African cultures.

Prerequisite(s): ANT 102

**ANT415 Everyday Life in Contemporary China**

W

Hours 3

This course offers students the opportunity to learn about everyday life in contemporary China from an anthropological perspective. Beginning with a brief overview of Chinese history, the bulk of the course is dedicated to understanding how life in contemporary China is shaped by various historical, cultural, social, economic, and political realities. Specific topics include family, religion, healthcare and wellbeing, art (including music and cinema), gender, personal relationships, and issues related to changing urban landscapes. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 100 or ANT 102, and 6 additional hours of ANT courses at 200 through 400 level.

Writing

**ANT421 Ethnography**

W

Hours 3

Ethnography is a hallmark of anthropology. It is at once a theoretical approach, set of methods, and style of writing. This course highlights ethnographic theory, methods for collecting ethnographic material, and techniques for writing about culture by reading exemplary texts, discussing key concepts, and practicing various methods. Each student will develop an ethnographic project that involves fieldwork, data analysis, and writing. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 12 hrs of Anthropology or permission from instructor

Writing

**ANT422 Archaeological Ethics**

W

Hours 3

This class will explore the legal and ethical dimensions of modern archaeology through a consideration of the archaeology as a profession, professional codes on archaeological ethics, the relationship between archaeology and others (the public, ethnic groups, collectors, etc.), international and national approaches to archaeological heritage management, the antiquities trade, maritime law, underwater archaeology, and treasure hunting, cultural resource management in the United States, and archaeological education. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 107

Writing

**ANT423 Legal Anthropology**

Hours 3

What is law? Do all societies have it? Is there really something distinct about "thinking like a lawyer"? This seminar primarily draws on anthropological studies of legal systems and practices to show that the answers to these questions are surprisingly complex. We will study law both cross-culturally and, within the United States, cross-contextually, in order to explore what really distinguishes legal rules from cultural norms and to ask whether basic legal concepts exist across cultures.

**ANT424 Applied Archaeology: Cultural Resource Management**

Hours 3

This course will provide students with strategies and frameworks to protect, preserve, learn from, and properly consider cultural landscapes and places under relevant regulatory regimes, such as the National Historic Preservation Act (NHPA), National Environmental Policy Act (NEPA), California Environmental Quality Act (CEQA), and associated guidance, Executive Orders (EOs), and agency policies. Course training involves learning to satisfy the regulatory requirements of the cultural heritage and resources management profession in both standard and creative ways. At its center, the course includes Native American and Indigenous worldviews, values, and practices to inform the research design, data collection, interpretation, and presentation of research.

Prerequisite(s): ANT 107

**ANT425 Geographic Information Systems for Archaeologists**

Hours 3

This course covers the basic background and skills necessary to manage and analyze spatial datasets using GIS (Geographic Information Systems). We will emphasize the GIS concepts and techniques that are most useful to archaeologists, and we will be working with real archaeological data for all labs and projects. Topics include data acquisition, spatial queries, working with rasters, catchments, cost# surface analysis and visualization analysis. The course includes a weekly guided lab on ESRI ArcGIS software.

Prerequisite(s): ANT 107 and 6 hrs. of additional ANT courses

**ANT426 Archaeology of East North America**

Hours 3

Examination of the origins and developments of pre-Columbian and early historic cultures of eastern North America.

Prerequisite(s): ANT 107

**ANT427 Radiocarbon for Archaeologists**

Hours 3

Radiocarbon (AMS 14C) dating is the most commonly used dating method in archaeological research. The purpose of this class is to gain a deep understanding of radiocarbon so that we, as archaeologists, can better sample/collect, calibrate, and analyze these data for our own research, and critically evaluate the scholarly literature. We will further our understanding of radiocarbon and its archaeological applications through course lectures, presentations and discussions of the recent literature, calculation and calibration activities, and individual research projects. This course has relevancy for any student interested in field archaeology, as it will train them to collect appropriate samples for dating and design dating strategies that are consistent with their research goals.

Prerequisite(s): ANT 107

**ANT428 North American Archaeology**

W

Hours 3

This course is an introduction to the archaeology of North America, from initial colonization of the continent by hunter-gatherers, to the arrival of European explorers. We begin with an examination of the theories and debates concerning the arrival of humans in the New World. The remaining majority of the course will be an in-depth examination of prehistoric archaeological developments in the major culture areas of North America. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 106 or ANT 107

Writing

**ANT431 Readings In Anth**

Hours 1-3

Honors readings for seniors and graduate students. Offered with permission of instructor only. May be repeated for a maximum of 6 hours.

Prerequisite(s): 6 hours of ANT courses

**ANT434 Archaeology of Food**

Hours 3

A broad survey of the literature on modern and ancient foodways, addressing major themes including the domestication of plants and animals; food and social complexity; food, power, politics, and status; the daily meal; feasting and drinking; plating and presentation; food preferences/taste and disgust; and the intimate relationship between food and identity. Students will also engage with the wide range of methods and techniques in the archaeologist's toolkit that aid in the undertaking of gastronomic research, including the analysis of plant and animal remains, residues recovered from cooking and serving ware, and the chemical composition of human bones.

Prerequisite(s): ANT 107

**ANT438 Anthropology of Art**

Hours 3

The course views the art that societies past and present produce; it explores culture, creativity, and human beings' distinctive compulsion to make decorative objects.

Prerequisite(s): At least 6 hours of ANT courses, including ANT 102; OR permission of instructor

**ANT439 Topics Anthropology Religion**

Hours 3

An examination of contemporary issues and topics in the anthropology of religion.

Prerequisite(s): ANT 102

**ANT440 Culture**

W

Hours 3

A selective review of past and contemporary concepts, theories, and methodological approaches adopted by cultural anthropologists. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 102

Writing

**ANT444 Anthropology and Cemeteries**

W

Hours 3

Using approaches developed in the discipline of anthropology and, more particularly, in the subfield of archaeology, an exploration of the different ways in which local cemeteries can yield information on cultural, societal, and historical matters. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 107

Writing

**ANT445 Historical Archaeology**

W

Hours 3

This course is a survey of the method and theory of the discipline of historical archaeology. Focusing particularly on the historical archaeology of North America, this course reviews the development of the field, considers the related fields of colonial archaeology and the archaeology of the contemporary, and examines what distinguishes historical archaeology within the broader discipline. Additionally, during this course we will consider specific material approaches utilized in historical archaeological analyses. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**ANT450 Probs In Anthropology**

Hours 3

Devoted to issues not covered in other courses. Each section of the course represents a separate class with a specific professor and list of topics. The course may be repeated for a maximum of 12 hours.

Prerequisite(s): 6 hours of ANT courses

**ANT451 Undergraduate Research**

Hours 1-6

Introduction to independent anthropological research with a focus on constructing testable hypotheses, selecting variables, measuring attributes, recording data, making interpretations and writing and presenting results.

Prerequisite(s): 6 hours of ANT courses

**ANT458 Museum Collections Management**

Hours 3

This course considers the intellectual, physical, legal, financial, social, and ethical challenges of preserving and providing access to museum collections. Through lectures, readings, hands-on activities, and field trips students explore the theory and practice of collections management and learn how to maximize available resources for collections care in any museum regardless of size.

**ANT460 Anthropology and Museums**

W

Hours 3

Examines the historical connections between anthropology and natural history museums in the United States. Explores the present operation of such museums and develops exhibits based on collection studies. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 107

Writing

**ANT462 Ancient Andean Civilizations**

Hours 3

The Andes is a region of geographic and environmental extremes that witnessed the early rise of complex societies long before the Inca Empire. In this course, we examine the prehispanic cultures that resided in this region—from the peopling of South America to the aftermath of Spanish Conquest.

Prerequisite(s): ANT 103 or ANT 107

**ANT464 Paleoethnobotany**

Hours 3

This laboratory class is designed to introduce archaeological laboratory methods, reasoning and interpretation through paleoethnobotanical identification and data analysis. We will be studying the major classes of plant remains likely to be encountered in archaeological sites, how to identify them, and how to organize the data to produce interpretable results. The course will emphasize the use of plant remains to answer archaeological questions, rather than study the plant remains for their own sake.

Prerequisite(s): ANT 107 and 6 hrs. of additional ANT classes

**ANT466 Laboratory Methods Archaeology**

Hours 3

This class is a “hands-on” course in archaeological laboratory methods and most useful for anthropology majors/minors. Students will read about different kinds of analyses, and then put theory into practice by classifying and analyzing prehistoric artifacts. Students will learn how to build interpretations of the past by using artifact assemblages, how to discriminate between reliable and less reliable information, and collaborate in group activities.

Prerequisite(s): ANT 103 or ANT 107

**ANT471 Fossil Humans and Evolution**

Hours 3

Survey of the discoveries, methods, and theories that provide the background for modern research in macroevolution. Offered according to demand.

Prerequisite(s): ANT 270

**ANT473 Human Osteology**

Hours 3

In this course students will be introduced to the human skeleton and how to conduct human osteological analysis through complete and fragmentary remains. Students will learn criteria for determination of sex, age, stature, and epigenetic traits. Additionally, students will be introduced to common health related pathologies and evidence of trauma. Students will engage with casts and virtual 3D models to gain these skills. This course also examines the ethics of excavating and analyzing human remains.

Prerequisite(s): ANT 270

**ANT474 Neuroanthropology**

Hours 3

This course provides an introduction to evolutionary and biocultural approaches within anthropology to the central and peripheral nervous systems and their interconnections. Topics include the evolution of the brain; how culture and social structure shape the brain, its development, and its activity; and anthropological perspectives on connections among culture, behavior, brain, mind, and body.

Prerequisite(s): ANT 270 or BSC 300 or PY 413

**ANT475 The Plastic Human: Our Biology, Culture, & Evolution**

W

Hours 3

An introduction to the biocultural and evolutionary bases of human adaptability. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 270

Writing

**ANT476 Nutritional Anthropology**

W

Hours 3

An introduction to anthropological inquiries and methods in nutrition—including food habits, food systems, dietary variability, and food movements—using an engaged anthropological framework. This experiential learning classes teaches students how to conduct nutritional anthropological fieldwork within local community settings. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ANT 102 and ANT 270

Writing

**ANT478 Anthropology of Human Development**

Hours 3

Health culturally competent socialized adults and mature physical forms arise from a developmental process with evolutionary, biological, social and cultural dimensions. We survey child/human development from an anthropological perspective, considering interactions across levels of analysis from genes to culture.

Prerequisite(s): ANT 100 OR ANT 270

**ANT479 Human Paleopathology**

Hours 3

Course investigates skeletal pathology and trauma. Topics included: 1. Understanding disease processes, 2. Distinguishing accidental and violent trauma on bone, 3. Recognizing the following conditions in skeletal remains: congenital anomalies, circulatory disorders, joint diseases, infectious diseases, metabolic diseases, skeletal dysplasias, neoplastic conditions, diseases of the dentition and other conditions. Students will inventory, evaluate and analyze sets of human skeletal remains for pathology and trauma and complete final reports on those remains.

Prerequisite(s): ANT 270

**ANT481 Anthropology is Elemental: Teaching Anthropology in Primary and Secondary Settings**

Hours 3

This course is an introduction to teaching anthropology at the primary and secondary levels. It is a service-learning course, which means that all students will serve as instructors in a local anthropology course offered in the Tuscaloosa area. This course will expose students to applied anthropology through teaching the anthropological perspective via an activity-based four-subfield curriculum in conjunction with local elementary schools, after-school programs, or similar community partners. These programs will be taught by teams, and each student will be responsible for attending weekly course meetings, developing curricular material and implementing it in a classroom setting, and co-teaching with other students.

Prerequisite(s): ANT 102, ANT 107, ANT 210, and ANT 270

**ARB101 Elementary Arabic**

FL

Hours 4

This is an introductory course to the Arabic language and is intended for those with no prior knowledge of the language.

Foreign Language

**ARB102 Elementary Arabic**

FL

Hours 4

This course is a continuation of ARB 101. Students in this semester will be introduced to new vocabulary that will help them extend their sentence structuring in order to engage in more conversations and be able to negotiate meaning in various contexts. In addition, students will be engaged into the four communication skills (reading, speaking, listening and writing) and will be immersed in Arabic language and culture through various audio and visual activities.

Prerequisite(s): ARB 101

Foreign Language

**ARB201 Intermediate Arabic**

Hours 3

Continuation of Arabic language on the intermediate level. Students who already have basics of Arabic speaking, writing and reading will develop their skills further. The class meets three hours per week. Native speakers or near native speakers of the language are NOT allowed to enroll.

Prerequisite(s): ARB 102

**ARB202 Intermediate Arabic**

Hours 3

Continuation of ARB 201. Emphasis is on the development of reading skills and writing proficiency. Not repeatable without the permission of the CLC director. Native speakers or near native speakers of the language are NOT allowed to enroll.

Prerequisite(s): ARB 201

**ARB260 The Arabian Nights**

Hours 3

This course introduces students to the Arabian Nights (One Thousand and One Nights) in translation. The Arabian Nights are a collection of stories framed in one story narrated by Shahrazad. The narratives are a mixed potion of magic, love, fear, and death. This course will discuss the history of the tales as well as the different translations, in addition to the socio-cultural concepts of antagonists and protagonist forces, such as magic spells and the Jinni. The students will cover a variety of tales: Sinbad, Ali Baba, and Aladdin. The course will also examine the Islamic context in the Arabian Nights. Taught in English.

Prerequisite(s): None

**ARB301 Third-year Arabic**

Hours 3

Study of contemporary Arabic language and culture. This course is intended for students who have already taken ARB 202. Native speakers or near native speakers of the language are NOT allowed to enroll. This course will emphasize the development of practical communicative ability in Arabic along with cultural knowledge of Arabic speaking countries.

Prerequisite(s): ARB 202

**ARB302 Advanced Arabic**

Hours 3

This course is a continuation of their ARB 301 advanced level in Arabic. Students in this course will continue with their three textbooks (Arabic Literature, Arabic Media & Arabic Grammar) that would expose them to new contexts, sentence structure, and vocabulary. The students will be trained to negotiate meaning in more complex contexts. In addition, students will engage with several language skills (reading, writing, listening, speaking, and translating) through political and cultural contexts.

Prerequisite(s): ARB 301

**ARB350 Culture and Society in Africa and the Middle East: Present and Past**

Hours 3

Students will learn about the social, cultural, geographical, religious, linguistic, historical, and other aspects of the Arab and middle eastern culture. Students in this course will gain knowledge about certain topics, such as social values and identities, minority groups, religious influence, technology in the Arab world, daily life practices and traditions. Students will watch movies and videos, and read chapters related to the topics discussed. In addition, students will learn about gender relations, multicultural issues, and male-female dynamics. Course taught in English.

**ARB351 Introduction to Modern Arabic Literature in English Translation**

Hours 3

This course introduces students to various texts of modern Arabic prose and poetry and their development through time. We will discuss literary traditions, genres, and styles in Arabic modern literature from the Middle East and North Africa. We will cover: Poetry, short story, and novel. We will also explore the political, economic, and social issues Arab writers confront, such as, the effect of history, literary tradition, and religion on modern text writing. Other topics will also be discussed: Literature and resistance, Arab women writers and the Arab Spring context in today's Arab literature. This course is taught in English.

**ARB355 The Arabian Nights**

Hours 3

This course introduces students to the Arabian Nights (One Thousand and One Nights) in translation. The Arabian Nights are a collection of stories framed in one story narrated by Shahrazad. The narratives are a mixed potion of magic, love, fear, and death. This course will discuss the history of the tales as well as the different translations, in addition to the socio-cultural concepts of antagonists and protagonist forces, such as magic spells and the Jinni. The students will cover a variety of tales: Sinbad, Ali Baba, and Aladdin. The course will also examine the Islamic context in the Arabian Nights.

**ARB363 Women in the Arab World**

HU, L, W

Hours 3

This course allows students an in-depth look at the diverse women who represent a number of cultures in the Arab world and to study such women through the eyes of leading Arab women theorists. Students will explore the Arab woman's place in her respective society, in political and economic systems, in education, and in the family and analyze the Arab woman's contributions to art and literature as well as to the sciences. The course will provide an overview of the Arab woman throughout history. A passing grade in a W designated course is contingent upon students writing coherent, logical, carefully edited prose in a minimum of two papers, one of which must be completed, graded, and returned by mid-semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Rubrics are available for each assignment.

Prerequisite(s): There are no prerequisites for this course and it is open to students of all levels; course conducted in English.

Humanities, Literature, Writing

**ARB364 Diversity and Gender Roles and Relations in Jordan**

Hours 3

This course with a study abroad component will explore Jordan through both on-campus and field work experiences. Students will learn how Jordan's historic past has contributed to building a nation with a diversity of cultures that plays an important role in politics and diplomacy today. The very fabric of Jordanian society will be at the center of this course which means that a considerable amount of our focus will also be on gender roles and relations and their impact not only on Jordanian society but also on issues involving human rights and equality in the Middle East.

**ARH151 Intro to Visual Arts**

FA

Hours 3

Not applicable to the studio or art history majors or minors. Introduction to the appreciation of art through an examination of the nature, themes, and purposes of art, the exploration of visual arts media and methods; and a survey of art history and artistic masterpieces.

Fine Arts

**ARH252 Survey of Art I**

FA

Hours 3

Survey of major examples of painting, sculpture, and architecture from the prehistoric through the medieval periods.

Fine Arts

**ARH253 Survey Of Art II**

FA

Hours 3

Survey of major examples of painting, sculpture, and architecture from the Renaissance through the modern periods.

Fine Arts

**ARH254 Survey Of Art III**

FA

Hours 3

Survey of major examples of painting, sculpture, and the applied arts of India, China, Korea, Japan, and Southeast Asia.

Fine Arts

**ARH291 Special Projects**

Hours 3

This number is used for special projects determined by the instructor or for independent research projects proposed by students. In the latter case, the project must be approved by a sponsoring faculty member and the department chairperson. May be repeated for a maximum of 6 hours.

**ARH350 Roman Art**

Hours 3

This course surveys the architecture, painting, and sculpture of Ancient Italy and the lands of the Roman Empire from the earliest record of the Etruscans to the death of Constantine the Great in 337 CE. Lectures, readings, and classroom discussion focus on the socio-political, technological, and religious contexts of Etruscan and Roman material culture.

Prerequisite(s): ARH 252

**ARH351 Ancient Art**

Hours 3

A survey of the contributions of Egypt, Greece, and Rome to the development of Western architecture, sculpture, and painting.

Prerequisite(s): ARH 252

**ARH352 Early Christian Byzantine Art**

Hours 3

This course focuses on major monuments of painting, sculpture, and architecture, as well as wider visual culture, produced in the Early Christian West and the Byzantine Empire 312-1453 CE. Attention will be paid to major styles/developments with reference to relevant social, political, religious, historical and technical issues.

Prerequisite(s): ARH 252

**ARH354 Art of South and Southeast Asia**

Hours 3

This course examines the vibrant and diverse art and visual culture of South and Southeast Asia through the art, architecture, and material culture associated with the current geopolitical states of India, Pakistan, Sri Lanka, Thailand, Vietnam, Cambodia, Laos, Malaysia, Singapore, and the Philippines.

Prerequisite(s): 3 Hours of 200-level Art History courses

**ARH355 The Art of Imperial China**

W

Hours 3

This course will examine the varied traditions and genres of art and architecture produced in China during its important imperial era from the Tang to Qing dynasties (7th century to late 19th century). Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 6 hours of 200 or 300 level Art History courses

Writing

**ARH356 Art of Japan**

Hours 3

This course will examine the varied traditions and genres of Japanese art from the Asuka period to the Meiji period (6th to early 20th century).

Prerequisite(s): 3 hours of 200/300 level Art History courses.

**ARH357 Prints and Print Culture of East Asia**

W

Hours 3

This course will examine the rich traditions and varied genres of prints and print production in East Asia (China, Korea, and Japan) from around the ninth century to the present time. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 6 hours of 200-level Art History courses

Writing

**ARH360 Early Medieval Art**

Hours 3

This course focuses on major monuments of painting, sculpture, and architecture, as well as wider visual culture, produced in Western Europe between 500-1150 CE. Beginning with backward glances at Roman traditions, special attention is focused on works of art representative of major styles/developments during the focus period with reference to relevant social, political, religious, historical and technical issues.

Prerequisite(s): ARH 252

**ARH361 Late Medieval Art**

W

Hours 3

This course examines the wealth of visual and material cultures of Europe and the broader Mediterranean from roughly 1200-1450. Materials considered will include sculpture, architecture, painting and manuscripts, as well as metal work and enamels, ivories, textiles, and portable objects from both European and non-Western cultures. Objects and monuments will be explored within their relevant social, political, religious, cultural and historical contexts. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 6 hours of 200-level Art History courses.

Writing

**ARH363 Masterpieces Of Spanish Art**

Hours 3

Selected monuments of peninsular Spanish art from the prehistoric period to the contemporary period.

**ARH365 Northern Renaissance Art**

Hours 3

This course provides students with a survey of painting, sculpture and architecture produced in Northern Europe (France, Flanders, Germany, England) between 1350 and 1600, concentrating on knowledge of major monuments and artists. Beginning with backward glances at the fourteenth century, attention will be focused on developments and major themes important to study of the period (including relations between North and South, the status of the artist, and the impact of religious change on works of art), thus encouraging students to have a long-range view of the traditions behind the focus works.

Prerequisite(s): ARH 253

**ARH367 Art Patronage Florence**

Hours 3

Survey of the art of Florence emphasizing the artists and the patrons, such as the religious orders, guilds, and private families who created the Renaissance style in painting, sculpture, and architecture.

**ARH368 Early Renaissance Art**

Hours 3

This course provides students with a survey of painting, sculpture and architecture during the early Italian Renaissance in major city centers, concentrating on knowledge of major monuments and artists. Attention will be focused on fourteenth-century traditions, fifteenth-century developments, and major themes important to study of the period (technical innovations, the inheritance and influence of antiquity, the status of the artist, religious and political symbolism, the requirements of patrons and the market, and the impact of social conditions and historical events).

Prerequisite(s): ARH 253



**ARH369 Later Italian Renaissance Art**

Hours 3

This course provides students with a survey of painting, sculpture and architecture in the later Italian Renaissance (c. 1480-1580) in major city centers, concentrating on knowledge of major monuments and artists. Beginning with backward glances at the fifteenth century, attention will be focused on sixteenth-century developments and major themes important to study of the period (including Mannerism, the status of the artist, and the impact of religious change on works of art), thus encouraging students to have a long-range view of the traditions behind the focus works.

Prerequisite(s): ARH 253

**ARH371 Baroque Art South Europe**

W

Hours 3

This course provides a survey of Southern Baroque painting, architecture, and sculpture, focusing primarily on Italian and Spanish art produced between 1600-1700. A variety of genres are addressed including Christian and mythological works, portraiture, still-life, and landscape. Issues considered include the impact of the Counter Reformation on artistic production; patronage; gender; classicism and naturalism; and the status of artists. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 6 hours of 200 level Art History courses or permission of the instructor

Writing

**ARH373 Baroque Art North Europe**

Hours 3

Survey of the art of 17th-century Belgium, Holland, and France.

Prerequisite(s): 6 Hours of 200 Level Art History Classes

**ARH374 Art of the American South**

Hours 3

Painting, sculpture, and decorative arts from the colonial period to the twentieth century.

Prerequisite(s): ARH 253

**ARH375 Nineteenth Century Art**

Hours 3

Painting and sculpture from the Neoclassical through the Post-Impressionist periods.

Prerequisite(s): ARH 253

**ARH376 American Architecture**

Hours 3

American architecture from the colonial period to the 20th century.

**ARH377 American Art before 1815**

W

Hours 3

A study of American Art and visual and material culture before 1815. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**ARH378 Art of the African Diaspora**

W

Hours 3

This course examines the artistic, material, and visual cultures of the African diaspora. Various geographic regions and historical periods will be covered. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 6 hours of 200 level Art History courses or permission of the instructor.

Writing

**ARH379 American Art: 1815-1880**

W

Hours 3

A study of American Art and visual and material culture from the 1815 to 1880. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 6 Hours of ARH 200 level courses or by permission of the instructor

Writing

**ARH380 American Art: 1880-1945**

Hours 3

A study of American Art and visual and material culture from the 1880 to 1945.

Prerequisite(s): ARH 253

**ARH381 Art Since World War II**

Hours 3

Modernist and postmodernist art and architecture from the mid-20th century to the present.

Prerequisite(s): ARH 253

**ARH385 Early 20th Century Art**

W

Hours 3

This course examines many different examples of painting, architecture, photography and sculpture that served to define modernism in European and American art. We will follow the development of those aesthetics associated with modernity from the late nineteenth to the early twentieth century (c. 1939). This course is meant to familiarize students with major movements, concepts, and styles, and also to help them develop an understanding of how these movements relate to one another within a larger cultural and historical context. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Students will produce two, individual written assignments (one submitted and returned before the mid-term and one after) that demonstrate coherent, logical, and carefully edited prose. In these assignments, students must demonstrate higher-level critical thinking skills, such as analysis and synthesis.

Prerequisite(s): ARH 253

Writing

**ARH386 Latin American Art**

Hours 3

This course focuses on art produced across the Latin American world from the colonial period to the twentieth century. It discusses the role of visual representation in the process of conquest and colonization of the territories of Latin America and the Caribbean, and later in the construction and consolidation of national states and regional identities. The history of fine art aesthetics and the development of regional styles of painting, sculpture, and decorative arts will be addressed. The main objective of the course is to develop an awareness of the general history of art produced in Latin America, but also to form a contextual basis for it. Therefore, issues of race, ethnicity, class, and gender will figure heavily into class investigations, especially regarding the relevance of colonization and slavery to the works studied.

Prerequisite(s): 6 hours of 200-level art history courses

**ARH387 Southern Architecture**

Hours 3

Survey of the history of building in the American South with an emphasis on the antebellum South.

Prerequisite(s): ARH 252

**ARH388 African American Art**

W

Hours 3

This class will focus on the creative production, contemporary reception, and critical interpretation of African American art from the colonial period to the present—an examination that intersects inexorably with studies in American art, material culture, Modernism, and post-colonialism (among a host of other fields and disciplines.) So, while visual representations of and by African Americans provide the content for this course, the broader methodological and theoretical issues they raise are applicable to images, objects, and structures from a variety of cultures and civilizations. Indeed, this course will engage at least three general themes central to art historical and visual cultural studies generally: 1. Cultural encounters within colonial contexts; 2. Constructions of “race” and “blackness” within the African diaspora; and 3. Conceptualizations of “Modernism” in 20th-21st centuries. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ARH 253

Writing

**ARH389 Harlem Renaissance Art**

W

Hours 3

Throughout the 20th century, African Americans employed a variety of strategies toward the attainment of social, political, and economic equality. At different historical moments, specific agenda, tactics, and participants have come to the forefront, yet the overall objectives remain the same. During the 1920s and 1930s, many African Americans put forth a fusion of cultural and political activism as the vanguard of the movement. While exploring the rich art of the era, this course looks beyond traditional artistic models and delves into the work of literary and performing artists to present students with a deeper and more complete understanding of the complex and dynamic social, cultural, and political phenomenon known as the New Negro or Harlem Renaissance. We will explore the intersection between culture and politics during a specific moment in African American history and examine its place within the larger quest for equality. Readings will include works by Langston Hughes, Zora Neale Hurston, Augusta Savage, Alain Locke, Carl Van Vechton, Fannie Hurst, and Aaron Douglass, among others. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 6 hours of 200-level art history courses or permission of the instructor.

Writing

**ARH390 Indigenous North American Art**

Hours 3

This course is a survey of Indigenous art across North America, from pre-contact to the contemporary period. The class will study the art of various Native people, exploring regional styles, with an emphasis on aesthetics, cultural function, and factors of change, as well as ceremonial and commercial art. Topics will include sovereignty, the impacts of historical and present-day colonialism, appropriation, and other issues of current concern.

Prerequisite(s): ARH 252, ARH 253, or ARH 254

**ARH400 Photographic Discourse**

W

Hours 3

Study of the history of photography, with a particular emphasis on photographic culture and reproduction. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 6 hours of 200-level and 3 hours of 300-level Art History courses. Total 9 hours Art History required.

Writing

**ARH455 Topics In Asian Art**

W

Hours 3

This seminar course examines a special topic of the art, architecture, and material culture of East Asia, South Asia, and Southeast Asia. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 hours of 200 and/or 300 level Art History courses

Writing

**ARH461 Topics in Medieval Art**

W

Hours 3

Selected topics in the art and architecture of the Middle Ages. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 hours of 200 or 300 level Art History courses or permission of the instructor

Writing

**ARH467 Topics Renaissance and Baroque Art**

W

Hours 3

This course provides students with an in-depth study of a specific issue or theme in Renaissance or Baroque Art. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 hours of 200 or 300 level Art History courses or permission of the instructor.

Writing

**ARH477 Topics in American Art**

W

Hours 3

Study of a selected theme in American art or architecture. May be repeated for a maximum of 9 hours. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): One of the following courses: ARH 374 or 375 or 376 or 377 or 378 or 379 or 380 or 388 and 6 additional hours of 200- or 300-level Art History courses.

Writing

**ARH481 Topics 20th Century Art**

W

Hours 3

This course surveys various aesthetic theories that have informed art production from the early 1980s to the present day. We will approach this wide array of material through attention to specific themes and/or various critically defined paradigms and apply these themes/paradigms to various subjects and media areas including institutional critique, popular culture, painting, sculpture, performance, installation, and video. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 9 hours of 200 or 300 level Art History courses or permission of the instructor

Writing

**ARH488 Topics in African American Art**

W

Hours 3

In this course we will study the politics of representation (and the relationship between the image and ideology) in African American photography from the 1840s to the present. Aesthetics, gender, class, the impact of slavery, lynching, colonialism, neocolonialism, and globalization on the arts, as well as issues of memory, identity, subjectivity, historical “truth,” and race, will be explored in relation to African American photographers. We will consider the production, distribution, consumption, and archiving of these visual texts, as well as the materiality and mass replication of the photographic artifact, and examine various genres of visual texts, from the social documentary to portraiture to art photography. As we analyze the photography of Jules Lion, A.P. Bedou, Louis Agasiz, James VanDerZee, Gordon Parks, Carrie Mae Weems, and Latoya Ruby Frazier, among others, we will consider to what extent photographs comment upon or subvert racial identities and social hierarchies, what role the camera plays in protest movements, and whether one, as Audre Lord asks, can ever dismantle the master’s house with the master’s tools. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): One of the following courses: ARH 374 or 375 or 376 or 377 or 378 or 379 or 380 or 388 and 6 additional hours of 200 or 300 level art history courses or permission of the instructor.

Writing

**ARH490 Theories and Methods of Art History**

W

Hours 3

This seminar examines the disciplinary foundations, historiography, and major issues of art history and explores the various methodological approaches used in the field. It investigates the ways in which the methods and theories of art history contribute to our understanding of history, aesthetics, and social practices through art objects. Students will explore the methodologies employed by art historians and evaluate – as scholars, readers, and writers – complex issues and a range of scholarship. Class time will center on verbal communications, including student-led discussions of assigned readings and oral presentations. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 15 hours of Art History courses

Writing

**ARH491 Independent Studies**

Hours 3

This number is used for special projects determined by the instructor or for independent research projects proposed by students. In the latter case, the project must be approved by a sponsoring faculty member and the department chairperson. May be repeated for a maximum of 6 hours.

Prerequisite(s): Permission of the instructor is required.

**ART110 Drawing I**

Hours 3

Basic studio course concerned with comprehension of visual concepts and development of skills through exposure to drawing media.

**ART130 2D Design**

Hours 3

Introductory course that explores two-dimensional concepts in a variety of processes and media.

**ART131 3D Design**

Hours 3

Introductory course that explores three-dimensional concepts in a variety of processes and media.

**ART208 Special Projects**

Hours 3

Topics not taught in the regular curriculum. May be repeated for a maximum of 9 hours.

**ART210 Drawing II**

Hours 3

Continuation of Drawing I with emphasis on creative development of visual ideas using traditional and experimental techniques and media.

Prerequisite(s): ART 110

**ART212 Ceramics**

Hours 3

Completion of ART 110, ART 130, and ART 131 is recommended before taking this course. Exploration of ceramics media and processes with emphasis on the development of individual concepts.

**ART214 Introduction to Graphic Design**

Hours 3

An introduction to skills and techniques used in graphic design, problems in visual priorities, and development of idea generation skills.

Prerequisite(s): ART 130

Prerequisite(s) with concurrency: ART 210

**ART216 Painting**

Hours 3

An introductory course designed to strengthen the individual student's awareness of the history and techniques of the craft of painting while exposing the student to contemporary styles and ideas of painting.

Prerequisite(s): ART 110 or ART 130

**ART218 Introduction to Digital Photography**

Hours 3

Study of digital photography as a creative medium. Introduction to technical, conceptual, and aesthetic concerns, as well as individual approaches to media, methods, and activities.

**ART220 Introduction to Printmaking**

Hours 3

An introduction to creative practice using the visual language and technical processes of printmaking. Students will explore their ideas through a variety of traditional and experimental methods.

Prerequisite(s): ART 110 or ART 130

**ART222 Sculpture**

Hours 3

This course is designed to provide the student with the opportunity to conduct an in-depth investigation of his/her sculptural ideas and abilities based on a variety of material assignments. Projects will make use of specific materials and techniques which combined with individual concept generation by the student will develop ability in the field of sculpture. Students will choose a semester focus of either welding & casting, woodworking, or digital fabrication.

Prerequisite(s): ART 131

**ART224 Introduction To Digital Art I**

Hours 3

An introduction to computer-based art making, digital literacy, image processing, and digital printing.

Prerequisite(s): ART 110 or ART 130

**ART302 Color Theory & Application**

Hours 3

Course focuses on both analytical and intuitive understanding and application of color.

Prerequisite(s): ART 110 or ART 130

**ART305 Aqueous Media**

Hours 3

Course focuses on contemporary styles, concepts, and ideas regarding the use of wet media.

Prerequisite(s): ART 210 or ART 216 or ART 220

**ART310 Life Drawing**

Hours 3

Individual exploration of figurative forms in a variety of drawing media and processes.

Prerequisite(s): ART 110, ART 130, and ART 210 or permission of the instructor.

**ART311 Figurative Modeling**

Hours 3

Course offers students a chance to explore figurative ceramic modeling and sculpting as it relates to representing a likeness. Topics will vary as course is repeated for credit.

**ART312 Ceramics**

Hours 3

Emphasis is on individual approaches to media, methods, and activities.

Prerequisite(s): ART 212

**ART313 Ceramics**

Hours 3

Emphasis is on individual approaches to media, methods, and activities. Topics will vary as course is repeated for credit.

Prerequisite(s): ART 312

**ART314 Typography**

Hours 3

Further development of design methods and processes including typography, image processing, visual communication, and digital design production. ART majors will have priority status enrolling in this course.

Prerequisite(s): ART 214

**ART315 Digital Layout and Production**

Hours 3

Further development of design methods and processes including grids, page layout, visual communication, and digital design production. ART majors will have priority status enrolling in this course.

Prerequisite(s): ART 214

**ART316 Painting Composition**

Hours 3

The applied study of pictorial manipulation through color and design principles.

Prerequisite(s): ART 216

**ART317 Painting Concepts**

Hours 3

A course designed to increase understanding of subject, meaning and context with the objective of making the transition between guided assignments and personal pursuits.

Prerequisite(s): ART 316

**ART318 Intermediate Digital Photography**

Hours 3

Study of intermediate digital photographic art practices. Emphasis on technical, conceptual and aesthetic concerns, as well as individual approaches to media, methods, and activities. There will be a survey of contemporary photo / digital artists to stimulate ideas, discussion and practice across numerous conceptual themes. Students will learn best practices for building and managing files that will drive top-quality output. Aesthetically, these skills will be put into practice through the creation of refined and realized artworks. There will be critiques to facilitate the creative process. The semester will culminate in the production of a final portfolio.

Prerequisite(s): ART 218 or ART 224

**ART319 Darkroom Photography**

Hours 3

Study of black-and-white, darkroom-based photography as a creative medium. Emphasis on technical, conceptual, and aesthetic concerns, as well as individual approaches to media, methods, and activities.

Prerequisite(s): ART 110 or ART 130

**ART320 Printmaking: Intaglio & Relief**

Hours 3

Further exploration of intaglio and relief processes, including a review of basic techniques, grounds, printing in color, printing multiple plates or blocks, and medium/large format printing. Assignments emphasize both technical and conceptual development. Topics will vary as course is repeated for credit.

Prerequisite(s): ART 220 or ART 210 or permission of the instructor

**ART321 Printmaking: Lithography**

Hours 3

This course explores traditional and experimental approaches to stone and plate lithography. Students will make a series of lithographs using a variety of approaches, matrices, and drawing materials. Assignments emphasize both technical and conceptual development. Topics will vary as course is repeated for credit.

Prerequisite(s): ART 220 or ART 210 or permission of the instructor

**ART322 Sculpture**

Hours 3

Introduction to advanced sculptural thinking and problem solving with assignments geared toward the development of skills and abilities in working with a range of materials and techniques. Emphasis is focused on developing craftsmanship and content as applied to the making of objects.

Prerequisite(s): ART 222

**ART323 Sculpture**

Hours 3

Continued development of 3-D thinking and technical skills through assignments addressing a variety of materials and processes, including physics in three dimensions, the illustration of intangible thoughts with physical objects, the relevance of self to sculpture, and an examination of personal aesthetic. Topics will vary as course is repeated for credit.

Prerequisite(s): ART 131 and ART 222 and ART 322

**ART324 Intermediate Digital Art**

Hours 3

Projects allow for individual approaches and further development of digital art methods and processes.

Prerequisite(s): ART 224

**ART325 Printmaking: Monoprint/Monotype**

Hours 3

This course examines printmaking through the lens of painting, including the vocabulary, materials, and techniques of painting with acrylics or oils. Students will use drawing and brushwork techniques to establish images on a variety of printable matrices, using a variety of printmaking processes. Assignments emphasize experimentation, collaboration, and exploring the creative process. Topics will vary as course is repeated for credit.

Prerequisite(s): ART 220 or ART 216 or permission of the instructor

**ART326 Video Art and Animation**

Hours 3

Students will explore contemporary structure of narrative (and conversely the non-narrative) by creating, producing, and sharing stories using computer-based tools.

Prerequisite(s): ART 214 or ART 224

**ART329 Printmaking: Photo-based Processes**

Hours 3

This course examines printmaking through the lens of photography, including the vocabulary, materials, and techniques of the analog and digital photograph. Students will create work using a variety of light sensitive printmaking processes. Assignments emphasize both technical and conceptual development. Topics will vary as course is repeated for credit.

Prerequisite(s): ART 220 or ART 218 or ART 224 or permission of the instructor

**ART334 Branding & Identity Systems**

Hours 3

An intermediate course developing design skills used in the creation and production of printed materials for visual communications with an emphasis on logos, identity systems, stationery sets, advertising, and promotional materials.

Prerequisite(s): ART 214 and ART 314

**ART335 Publication Design**

Hours 3

An intermediate course developing design skills used in the production of printed materials for visual communications with an emphasis on both digital and printed newsletters, magazines, and annual reports.

Prerequisite(s): ART 214, ART 314, and ART 315

**ART338 Photographic Studio Lighting**

Hours 3

The course will present essential skills in photographic studio lighting. Both natural and artificial light sources will be explored for producing aesthetically and conceptually engaging artworks. A wide range of applications will be explored including still life, portraiture, classic lighting problems, and open creative projects. Experimentation and improvisation is highly encouraged. Topics will reference both historical precedents and contemporary practices. The course will culminate with a portfolio of work.

Prerequisite(s): ART 218 or ART 319

**ART344 Concepts in Drawing**

Hours 3

This course covers drawing at the intermediate level, including media, form, content, and theory. This course emphasizes personal direction. This course is designed to encourage student investigation into experimental drawing and contemporary art practices. All topics will be devoted to promoting individual student creativity, mastery of drawing means and techniques, and a further understanding of graphic concerns.

Prerequisite(s): ART 110, and ART 210 OR by permission of the instructor.

**ART406 Independent Studies**

Hours 1-6

Students may make proposals for projects not taught in the regular curriculum. Proposals must be approved by a sponsoring faculty member and the department chairperson.

**ART408 Special Projects**

Hours 3-6

This course is designed to focus on a variety of topics in Studio Art that are not regularly offered within the Studio Arts curriculum. Topics will vary on media chosen from ceramics, digital media, drawing, painting, photography, printmaking, and sculpture. The course can be taken for a maximum of 6 hours.

**ART410 Drawing Seminar**

Hours 3

Self-directed studio practice overseen by the instructor. The student works toward creating a consistent and conceptually sound body of work that investigates contemporary and traditional definitions of drawing. Topics will vary as course is repeated for credit.

Prerequisite(s) with concurrency: ART 444

**ART412 Ceramics**

Hours 3-6

Directed studio practices overseen by the instructor and designed to enhance the student's understanding of advanced ceramics concepts and techniques.

Prerequisite(s): ART 212 and ART 312 and ART 313

**ART414 Graphic Design Portfolio**

W

Hours 3-6

An advanced level course that prepares students for pursuing a career in graphic design. Students organize and refine past projects into a printed and digital portfolio. Students apply written communication skills to draft resumes, cover letters and invoices. All of the professional materials are unified through a systematic self-identity system. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ART 334 and ART 335

Writing

**ART415 Graphic Design Internship**

Hours 3

This course provides students with a valuable opportunity to gain firsthand experience working with creative professionals in the industry. Internships must be approved beforehand with all required documents completed and submitted to the internship faculty supervisor. Students must work no less than 135 hours during the semester to earn 3 credit hours. The Department of Art and Art History offers support in identifying potential positions, but it remains the obligation of the student to obtain the position.

Prerequisite(s): ART 334 &amp; ART 335

**ART416 Advanced Painting Seminar**

Hours 3-6

Self-directed studio practice overseen by the instructor. The student is expected to work toward creating a consistent and conceptually sound body of work. Enrollment for 4, 5, or 6 hours requires permission of the instructor. May be repeated for a maximum of 12 hours.

Prerequisite(s): ART 317

**ART418 Advanced Photography**

Hours 3

Study of alternative, experimental, and extended approaches to photography. Emphasis on technical, conceptual and aesthetic concerns, as well as individual approaches to advanced photographic practice resulting in a cohesive body of work suitable for exhibition.

Prerequisite(s): ART 318

**ART420 Printmaking**

Hours 3-6

Emphasis on individual approaches resulting in a cohesive body of work suitable for exhibition. Enrollment for 4, 5, or 6 hours requires permission of the instructor. May be repeated for a maximum of 12 hours.

Prerequisite(s): ART 320 and ART 321

**ART421 Printmaking Practicum**

Hours 3

Provides students with a practical experience in the printmaking field by working on-site with artists, designers, or other visual arts professionals.

Prerequisite(s): 6 hours of 300-level printmaking courses from ART 320, ART 321, ART 325, ART 329

**ART422 Sculpture**

Hours 3-6

Development of work and thought at an advanced level in preparation for completion of the BA or BFA degree. Graduating semester includes a BA or BFA thesis exhibition accompanied by a written thesis requirement.

Prerequisite(s): ART 222 and ART 322 and ART 323

**ART423 Public Sculpture**

Hours 3

This course is designed to introduce and familiarize the student to the fundamental issues involving both making and thinking in three dimensions as applied to making art in the public realm. Assignments are formed to familiarize the student with a variety of materials and techniques that make up the foundations with which to address public sculpture. We will be developing proposals for public art to be placed and installed around Tuscaloosa. Classes will take place in the form of class discussions, guest lecturers, and studio work days.

**ART424 Advanced Digital Media**

Hours 3

Special topics in digital media. Enrollment for 4, 5, or 6 hours requires permission of the instructor. May be repeated for a maximum of 12 hours.

Prerequisite(s): ART 324 or ART 326

**ART433 Package Design**

Hours 3

An intermediate course to package design, this course covers the history, science and process of package design. Students will explore 3D templates, typography, color and imagery to design and assemble an array of structures that follow the strategy of a creative brief.

Prerequisite(s): ART 315

**ART434 Illustration**

Hours 3

Conceptual approaches, materials and techniques used to solve problems in illustration, emphasizing developing rendering skills in both traditional and digital mediums.

Prerequisite(s) with concurrency: ART 315

**ART435 Web Design**

Hours 3

An introduction to interactive applications. This course provides instruction in innovative, artistic design and development of visual communication skills related to interactive applications.

Prerequisite(s) with concurrency: ART 335

**ART444 Advanced Concepts in Drawing**

Hours 3

This course covers drawing at the advanced level, including media, form, content, and theory. This course emphasizes personal direction. This course is designed to encourage student investigation into experimental drawing and contemporary art practices. All topics will be devoted to promoting individual student creativity, mastery of drawing means and techniques, and a further understanding of graphic concerns.

Prerequisite(s): ART 344

**ART496 BA Studio Capstone**

W

Hours 3

This is an interdisciplinary capstone course that represents the culmination of the BA in Studio Art degree. Focusing on issues pertaining to professional practices, this course is designed to assist students as they prepare for the next step in their education and/or in their work as professional studio artists or work as professionals in art related fields after they leave the University. To this end, students will develop a written final paper, produce promotional materials, refine verbal communication in the discussion of their work, and hone various other skills in the development of professional practices. Writing proficiency is required for a passing grade in this course. A student who does not write with skill normally required of upper-division students will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Students must have completed a minimum of 21 hours in ART and ARH course work.

Writing

**ART498 BFA Studio Capstone**

W

Hours 3

The BFA Capstone is an interdisciplinary course that represents the culmination of the BFA Studio Art program at The University of Alabama. Focusing on issues pertaining professional practices, this course is designed to assist students as they leave the university and prepare for the next step in their education and/or in their lives as professional artists and producers of culture. The course would focus on development of a written statement, production of promotional materials, refining of verbal skills in the discussion of work and various other skills in the development of professional practices. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 60 hours in Art and Art History course work.

Writing

**ART499 Senior Thesis**

Hours 3,6

This course focuses on the development of an independent thesis project of a body of creative work in the area of the primary concentration and is restricted to BFA studio art majors with senior standing. The thesis must be publicly exhibited. The course can be taken for a maximum of 6 hours.

Prerequisite(s): Students must have permission from the Instructor and have completed a minimum of 60 hours in ART and/or ARH course work. Senior Thesis is designed to be taken during the final semester of study for the B.F.A. degree.

**AS100 EC Continuous Enrollment**

Hours 0

Used as a course designation for all students enrolled in Early College.

**AS101 Freshman Compass Course: Arts & Sciences**

FCMP

Hours 1-2

An orientation course designed to introduce students to the University and the College of Arts and Sciences and to assist in academic planning. Open to freshmen. May be repeated for a maximum of 4 hours. Pass/fail.

Freshman Compass

**AS102 Compass: Arts & Sciences**

FCMP

Hours 1

A continuation of AS 101 for students in living-learning communities. Pass/fail.

Prerequisite(s): AS 101

Freshman Compass

**AS103 Introduction to Research**

Hours 1-2

This course exposes students to research and creative activities being conducted by faculty in the College of Arts & Sciences. Lectures provided by A&S faculty members help students learn how new knowledge is created, receive career advice, and potentially lead to students identifying faculty mentors. This course is open to all majors.



**AS104 Mentored Research Experience**

Hours 1-3

This course allows students to execute creative projects or research with a faculty mentor. Students and their faculty mentor will be required to develop an Undergraduate Research Mentoring Agreement in consultation with the College Coordinator of Undergraduate Research. This course is open to all majors. Students taking AS 104, however, cannot also take UA 155 or UA 156. AS 104 can be taken for a maximum of 6 credit hours. Since credit hours are variable, course expectations will be adjusted to reflect the desired credit hours.

Prerequisite(s): Permission from the Coordinator of Undergraduate Research for the College of Arts & Sciences is required for students to take this course.

**AS150 Evolution for Everyone**

SB

Hours 3

This course is designed to open students minds to what evolution is and how it applies to all life. Toward that end, students will view lectures given by evolutionary scholars from varied institutions and disciplines.

Social and Behavioral Sciences

**AS220 Medieval and Early Modern Studies (MEMES) Colloquium**

Hours 3

This course introduces students to the multiple disciplines involved in the study of the medieval and early modern and the broad issues, methods, and areas of study in the field via readings and interactions with participating faculty through guest lectures and related activities.

**AS299 Junior Seminar**

Hours 1

Seminar for premedical, prelaw, and undecided juniors and seniors.

**AS450 Advanced Evolutionary Studies & Big Questions**

Hours 3

This course is the capstone to the Evolutionary Studies minor and should be taken in the final semester of the program. This course meets in conjunction with "Evolution for Everyone," the minor introductory course to the minor, to revisit the basic principles and application of evolutionary theory. These courses are team-taught by faculty from around the University and integrate the Alabama Lectures of Life's Evolution series, so they are likely to be different for you in both iterations. The course will review applications of evolutionary theory in the natural, social, and applied sciences and in the humanities. Additionally, you will conduct or complete a culminating project during the first half of the semester. During the second half of the semester, you will present this to the class and submit an article based on your project for publication in a peer-reviewed science journal.

Prerequisite(s): ANT 150 and BSC 220 and ANT 270 and PHL 380 OR GEO 102

**AS480 Advanced Evolutionary Studies & Big Questions**

Hours 3

The capstone to the Evolutionary Studies minor, this course meets in conjunction with "Evolution for Everyone," and should be taken in the final semester of the program. In addition to reviewing applications of evolutionary theory in the natural, social, and applied sciences and in the humanities, students will also conduct or complete a culminating project, present this work to the class, and submit an article based the project for publication in a peer-reviewed science journal.

Prerequisite(s): AS 150; BSC 220; & ANT 270, PHL 387 OR GEO 102

**ASL101 American Sign Language I**

FL

Hours 3

This course is for students studying any beginning level of less commonly taught languages offered by the Critical Languages Center or abroad, and repeatable for credit with different languages. Supervised self-study system applied. This course is an introduction to American Sign language (ASL) as used within the culturally Deaf Community of the United States. This course will be taught as a hybrid of online and in-class instruction by native users to utilize the best approaches to learning this visual language. This is a SUPERVISED-SELF-STUDY class. Students are required to study the textbooks and practice with assigned materials by themselves outside of the class. Students will also be expected to spend 5 field hours at Deaf-related events within the community. English use will be kept to minimum in class. Language trainers will monitor active participation throughout the semester by use of the STUDENT PERFORMANCE SHEET reports which will be sent to the director of the CLC.

Prerequisite(s): Native signers or near native signers of the language are NOT allowed to enroll.

Foreign Language

**ASL102 American Sign Language II**

FL

Hours 3

This course is the second semester class of American Sign Language, and is intended for students who have taken ASL 101 at The University of Alabama. Any students with background knowledge of this language must see the CLC director BEFORE registering, and shall be assigned an appropriate class level by CLC staff. This course will emphasize the development of practical communicative ability in ASL along with cultural knowledge of Deaf Culture. This is a hybrid supervised self-study class. Students are required to study the textbooks and practice with assigned materials by themselves outside of the class. Spoken language use will be kept to a minimum in class. Language trainers will monitor active participation throughout the semester by use of the STUDENT PERFORMANCE REPORT which will be sent to the instructor and director of the CLC. Regular class attendance and participation is required. Cultural aspects of deaf community will be added to communication skill practice to help students' understanding of the deaf culture through language.

Prerequisite(s): ASL 101 with a grade of "C-" or higher at The University of Alabama, or pass the placement exam under the supervision of the CLC director AND gain permission from the director.

Foreign Language

**ASL201 American Sign Language III**

Hours 3

This course is the third-semester class of American Sign Language, and is intended for students who have taken ASL 102 at The University of Alabama. Any students with background knowledge of this language must contact the CLC director before registering, and shall be assigned to an appropriate class level. This course further develops vocabulary, conversational competence, and grammatical knowledge unique to ASL. Students will learn the significance of linguistic aspects of the language and Deaf culture and community while practicing ASL in class.

Prerequisite(s): ASL 102 with a grade of "C" or higher at the University of Alabama, or pass the placement exam under the supervision of the CLC director and also gain permission from the director.

**AY101 Intro To Astronomy**

N

Hours 3

This course surveys the development of our current understanding of the Universe, including our Solar System, exoplanets, stars and stellar evolution (including white dwarfs, neutron stars, black holes, and supernovae), galaxies and cosmology (dark matter, dark energy, the Big Bang, the accelerating universe, supermassive black holes), and life in the Universe. NOTE: If the student plans to apply AY 101 toward satisfaction of the N requirement of the University Core Curriculum, AY 102 must also be taken.

Natural Science

**AY102 Intro Astronomy Lab**

N

Hours 1

This laboratory course involves indoor hands-on activities interpreting stellar spectra, stellar luminosity-temperature diagrams, celestial spheres, and astronomical imagery of the Moon, stars (including the Sun), star clusters, nebulae, galaxies, and galaxy clusters. NOTE: If the student plans to apply AY 102 toward satisfaction of the N requirement of the University Core Curriculum, AY 101 must also be taken.

Prerequisite(s) with concurrency: AY 101

Natural Science

**AY155 Life in the Universe**

Hours 3

This course is a survey of the new and rapidly-developing interdisciplinary science of astrobiology, accessible to the non-science major. Using the tools of astronomy, biology, geology, and chemistry, we will explore some of the biggest questions ever asked: How did life start on the Earth? Did life start elsewhere in our solar system, and elsewhere in our galaxy? Are we alone in the Universe? If there is life on other planets, how would we recognize it? Using the example of the history of life on Earth, we will explore locations in our solar system to gather evidence of whether life could have started, and could currently thrive in those locations. We will then broaden our scope to explore possibilities of life on planets orbiting other stars in our galaxy (and beyond) by summarizing what has been learned recently from surveys of planets orbiting other stars, in the Search for Extra Terrestrial Intelligence.

**AY203 Observational Astronomy**

N

Hours 2

In this course students learn to observe and record images and spectra of planets, stars, nebulae, and galaxies using portable telescopes on campus, the 16-inch telescope of the campus observatory, telescopes located in the darker skies at Moundville, and observatory telescopes in Arizona and Chile by internet control. Both indoor exercises and observing projects are undertaken. Students should normally have already completed an introductory or advanced astronomy course.

NOTE: If the student plans to apply AY 203 toward satisfaction of the N requirement of the University Core Curriculum, AY 204 or AY 206 must also be taken.

Prerequisite(s): MATH 113 or MATH 115 or MATH 125 or MATH 145

Natural Science

**AY204 Solar System Astronomy**

N

Hours 3

This course provides (1) a discussion of orbital mechanics and of the interior structure, surface features, atmosphere, and origin of the sun, planets, and solar system; (2) an understanding of the detection techniques and current census of extrasolar planets; and (3) a discourse on the possibility of life on other planets. NOTE: If the student plans to apply AY 204 toward satisfaction of the N requirement of the University Core Curriculum, AY 203 must also be taken.

Prerequisite(s): MATH 113 or MATH 115 or MATH 125 or MATH 145

Natural Science

**AY206 Astron Beyond Solar Syst**

N

Hours 3

This course: (1) connects the observed properties of stars (including our Sun) to their physical structure and evolution, up to their final endpoints as white dwarfs, neutron stars, or black holes; (2) surveys the properties of galaxies (including our Milky Way), their baryonic and dark matter content, their dynamics and evolution (star formation history, feedback, secular processes, mergers, growth of central supermassive black holes) and galaxy clustering; and (3) presents modern cosmology, including the Big Bang, the Cosmic Microwave Background, the accelerating expansion of the Universe, dark energy, inflation, and the formation of the lightest elements. NOTE: If the student plans to apply AY 206 toward satisfaction of the N requirement of the University Core Curriculum, AY 203 must also be taken.

Prerequisite(s): MATH 113 or MATH 115 or MATH 125 or MATH 145

Natural Science

**AY421 Theoretical Astrophysics**

Hours 3

This course provides a broad introduction to the theoretical foundations of astrophysical phenomena, demonstrating how fundamental phenomenology arises from physical laws. Several broad domains of astrophysics are covered, including planetary and stellar orbits, radiation, radiative transfer, ionization, star and planet formation, stellar evolution, binary stars, special and general relativity (including black holes), galactic structure and dynamics (including dark matter), active galaxies, spacetime structure, formation of large scale matter structure, and cosmology (including the accelerating expansion of the Universe, dark energy, and Grand Unification of forces in the early Universe).

Prerequisite(s): PH 253

**AY433 Techniques of Observational Astronomy**

W

Hours 3

Students will learn to perform astronomical observations with eye, telescope, and modern detectors, using techniques of digital imaging, photometry, and spectroscopy. Wavelength ranges from radio to gamma-ray will be addressed. Students will gain familiarity with current software tools for data analysis, model fitting, and error analysis. Students will carry out and report on all components of observational research, from concept and data collection to analysis and presentation of conclusions. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): AY 204 or AY 206 PH 253 or permission of instructor

Writing

**AY450 Stars & Stellar Evolution**

Hours 3

This course is intended to facilitate a fairly complete understanding of stars, including their structure, evolution (formation, stages of burning, end states), synthesis of elements, and the physical processes involved in each of these, as well as introduce the modern computational modeling techniques used to apply stellar physics to stars. For astronomy students, this course will provide the background necessary to understand the underlying principles of stellar processes and modelling as they are used both in ongoing research into stellar physics and phenomena and in support of other areas of astronomical research where stellar populations, products and processes are important. In a broader context, relevant for any physics student, this course will discuss how understanding the physical principles in fluid dynamics, high-density materials, heat transfer, plasma physics, nuclear structure, and nuclear processes are assembled into our modern understanding of how stellar objects behave, and how the study of stars pushes the frontier of understanding in these areas of physics.

Prerequisite(s): MATH 238

**AY482 Selected Topics in Astronomy**

Hours 1-3

This course may deal with any astronomy topic not covered by existing courses. The course title is added at the time the course is taught.

Repeat credit is allowed for different course titles.

**AY491 Independent Study I**

Hours 1-3

*No description available***AY492 Independent Study II**

Hours 1-3

*No description available***BSC103 Bama Biology Bootcamp**

Hours 1

Bama Biology Bootcamp (B<sup>3</sup>) is a one-week intensive program for incoming Biological Sciences majors and other freshmen enrolled in introductory biology courses. Students will learn study and time management skills that can be used across all classes.

Prerequisite(s) with concurrency: BSC 114 or BSC 118

**BSC108 Intro Biology Non Maj I**

N

Hours 4

Lecture and laboratory. Not open to biology majors or minors, or pre-health professions students. Survey of the basic principles of cellular biology, genetics, plant and animal diversity, and evolution. Usually offered fall, spring, and summer. BSC 108 and BSC 109 may be taken in either order.

Natural Science

**BSC109 Intro Biology Non Maj II**

N

Hours 4

Lecture and laboratory. Not open to biology majors or minors, or to pre-health professions students. Study of the physiology of living organisms with emphasis on the physiology of humans. Includes an overview of general ecology and animal behavior. Usually offered fall, spring and summer. BSC 108 and BSC 109 may be taken in either order.

Natural Science

**BSC113 Introduction to Principles of Biology**

Hours 1

This course will provide students with proven strategies that are designed to improve their ability to study and learn biology. Students will gain skills in time management, inquiry-based learning techniques, logical reasoning, and critical thinking to support understanding and application of biology theory.

**BSC114 Principles Of Biology I***N*

Hours 3

For biology majors, biology minors and pre-health professions students. Study of general biological principles, including the chemical basis of life; cellular biology, including cell structure and metabolism, genetics evolution; and a survey of simple organisms, including viruses, bacteria, protista and fungi. Offered fall, spring and summer. NOTE: A student must take both BSC 114 and BSC 115 in order to use either one of the courses to satisfy a portion of the natural science (N) requirement of the University Core Curriculum.

Natural Science

**BSC115 Laboratory Biology I***N*

Hours 1

Laboratory Biology I.

Prerequisite(s) with concurrency: BSC 114

Natural Science

**BSC116 Principles Biology II***N*

Hours 3

For biology majors, biology minors, and pre-health professions students. Study of the structure, function, and ecology of organisms, including bryophytes, vascular plants, invertebrate animals, and vertebrate animals. Offered fall, spring, and summer. NOTE: A student must take both BSC 116 and BSC 117 in order to use either one of the courses to satisfy a portion of the natural science (N) requirement of the University Core Curriculum.

Prerequisite(s): (Undergraduate level BSC 114 Minimum Grade of C- and Undergraduate level BSC 115 Minimum Grade of C-) or Undergraduate level BSC 118 Minimum Grade of C-

Natural Science

**BSC117 Laboratory Biology II***N*

Hours 1

This course is a laboratory course that explores diverse life forms through experimentation and promotes the scientific process through inquiry-based investigation of organism structure and function, while promoting careful observation, analysis of biological problems and an understanding of biological principles.

Prerequisite(s): BSC 116

Prerequisite(s) with concurrency: BSC 116

Natural Science

**BSC118 Honors General Biology I***N, UH*

Hours 4

Lecture, discussion period, and laboratory. Thorough study of general biological principles, including the chemical basis of life, cellular biology, genetics, evolution, and a survey of prokaryotic organisms.

Prerequisite(s): Honors attribute or ACT score of 28 or above

Natural Science, University Honors

**BSC120 Honors Gen Biology II***N, UH*

Hours 4

Lecture, discussion period, and laboratory. Thorough study of the structure, function, physiology, and ecology of organisms, including higher and lower plants and vertebrates and invertebrate animals.

Prerequisite(s): (Undergraduate level BSC 114 Minimum Grade of C- and Undergraduate level BSC 115 Minimum Grade of C-) or Undergraduate level BSC 118 Minimum Grade of C- or ACT Composite 28 or SAT Total 1250

Natural Science, University Honors

**BSC215 Human Anatomy & Physiology I**

Hours 4

Lecture, laboratory, and laboratory lecture. Integrated survey of human anatomy and physiology that includes cellular aspects; tissues and skin; the skeletal, muscular, nervous and endocrine systems; and the special senses of sight, hearing, taste, and smell.

Prerequisite(s): BSC 108 or BSC 109 or BSC 118 or BSC 120 or BSC 114 and BSC 115; or BSC 116 and BSC 117; or CH 102 or CH 105 or CH 118

**BSC216 Human Anatomy & Physiology II**

Hours 4

Lecture, laboratory, and laboratory lecture. Integrated survey of human anatomy and physiology that includes the respiratory, circulatory, digestive, urinary, and reproductive systems.

Prerequisite(s): BSC 215

**BSC220 Biol Evol**

Hours 3

An introductory course on the evidence for evolution, mechanisms of evolutionary change, natural and sexual speciation, and common misconceptions about evolution.

**BSC242 Microbiology And Man**

Hours 4

For students majoring in nursing, education, and human environmental sciences. Lecture and laboratory. Introduction to microbiology with an emphasis on the relationships between man and protozoa, bacteria, viruses, and fungi. NOTE: Credit will not be granted for both BSC 242 and BSC 310.

Prerequisite(s): CH 101 or CH 100 or CH 104 or CH 117; and CH 102 or CH 105 or CH 118.

Prerequisite(s) with concurrency: BSC 108 or BSC 109 or BSC 114 or BSC 118 or BSC 215 or BSC 216

**BSC300 Cell Biology**

Hours 3

The course is designed to provide an understanding of the molecular basis of cell function. Topics include metabolism, gene control, cell membranes, and cell-to-cell signaling.

Prerequisite(s): (Undergraduate level BSC 114 Minimum Grade of C- or Undergraduate level BSC 118 Minimum Grade of C-) and (Undergraduate level CH 101 Minimum Grade of C- or Undergraduate level CH 100 Minimum Grade of C- or Undergraduate level CH 117 Minimum Grade of C-) and (Undergraduate level CH 102 Minimum Grade of C- or Undergraduate level CH 118 Minimum Grade of C-)

**BSC301 Cell Biology Laboratory**

Hours 3

A laboratory course that focuses on demonstrating Cell Biology principles and developing competency with basic laboratory equipment, methods, techniques and analyses. The course investigates fundamental processes while promoting observation, analysis of problems, and an understanding of biological principles.

Prerequisite(s): BSC 300

**BSC303 Field Zoology**

Hours 3

A field-based course with lecture and lab combined. A survey of the taxonomy, ecology, and identification of local biota. Offered irregularly.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120

**BSC310 Microbiology**

Hours 3

Lecture. Survey course on microorganisms, including protozoa, bacteria, viruses, fungi, and algae. Credit will not be granted for both BSC 310 and BSC 242.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118

Prerequisite(s) with concurrency: CH 231

**BSC311 Microbiology II**

Hours 3

Fundamental course in bacteriology with emphasis on bacterial morphology, physiology, nutrition, and genetics.

Prerequisite(s): BSC 310

Prerequisite(s) with concurrency: CH 232

**BSC312 Microbiology Lab**

Hours 2

General microbiology laboratory to accompany BSC 310.

Prerequisite(s) with concurrency: BSC 310 and CH 231

**BSC313 Gen Bacteriology Lab**

W

Hours 3

Lecture and laboratory. Course presents methods for the isolation, microscopic observation, enumeration, and determination of the biochemical characteristics of bacteria. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 312

Prerequisite(s) with concurrency: BSC 311

Writing

**BSC314 Dendrology**

Hours 3

This class will be a combination of lectures, field trips, and some inside laboratory plant identification exercises. The majority of the class will be conducted in natural areas surrounding Tuscaloosa. Most class time is dedicated to lab- and field-based activities.

Prerequisite(s): BSC 114 and BSC 115 or BSC 118 and BSC 116 and BSC 117 or BSC 120 or permission of the instructor.

**BSC315 Genetics**

Hours 3

Study of transmission and function of genes, gene organization, regulation of prokaryotic and eukaryotic genes, and applications of genetics.

Prerequisite(s): BSC 114 or BSC 118; and CH 101 or CH 100 or CH 100 or CH 117; and CH 102 or CH 118

**BSC320 Freshwater Studies**

W

Hours 4

Lecture and laboratory. Introduction to freshwater natural history and ecology with specific emphasis on the common freshwater habitats of Alabama. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120

Writing

**BSC325 Tropical Plant Diversity**

Hours 4

The purpose of this course is to familiarize students with the relevant aspects of tropical ecosystems and tropical plants.

Prerequisite(s): BSC 114 or BSC 118; and BSC 115; and BSC 116 or BSC 120; and BSC 117

**BSC340 Principles of Natural Resources Conservation**

Hours 3

Introduces students to basic principles of natural resources conservation, including fundamental concepts in natural resource conservation and management. Examines humanity's past and present impacts on world environments; the influence of culture and the wants, needs, and desires of human beings will be integrated into the material. Discusses conservation of natural resources, including soil, water, air, forests, rangelands, energy, wildlife and fisheries, based on scientific principles.

Prerequisite(s): (BSC 114 and BSC 115 or BSC 118) OR (BSC 116 and BSC 117 or BSC 120)

**BSC360 Plant Biology**

W

Hours 4

Lecture and laboratory. This course is designed to provide you with comprehensive exposure to the subject of plant biology. You will learn about the structure, function, systematics, evolution and ecological roles of plants including algae, mosses, liverworts, ferns, gymnosperms and angiosperms. If you are a person who has over-specialized in zoology or human biology, this course will expand your horizons significantly. As a study of producers (plants!), this course will examine these organisms that are essential to life because of their position at the energy and elemental intake portion of the energy pyramid and the food web! Human survival is dependent on plants. At the end of this course students should take away an appreciation for the extensive role plants play in our ecosystem as well as our everyday life. The course will consist of lectures, laboratory experiments, group discussions and other activities relating to course material. Registration is required for both lecture and laboratory. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120

Writing

**BSC371 Biology of Lower Plants**

W

Hours 4

4 Cr Hours. Lecture and Laboratory. This course is designed to provide you with comprehensive exposure to the subject of biology of lower plants. You will learn about the morphology, systematics, evolution, economic significance and ecological roles of the lower plants including cyanobacteria, algae, mosses, liverworts, fern allies and ferns with emphasis in their diversity in the southeastern USA. If you are a person who has over-specialized in zoology or human biology, this course will expand your horizons significantly. This course will examine these organisms that are essential to life because of their position at the energy pyramid and the food web, the negative effect on the environment and human health, and their commercial importance. At the end of this course students should take away an appreciation for the extensive diversity and roles the lower plants play in our ecosystem as well as our everyday life. The course will consist of lectures, laboratory experiments, group discussions and other activities relating to course material. Registration is required for both lecture and laboratory. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 114/115 and BSC 116/117, or BSC 118 and BSC 120

Writing

**BSC373 Vertebrate Zoology**

Hours 4

Lecture and laboratory. Introductory course in the study of vertebrate zoology. Subjects included are principles of systematics and nomenclature, a survey of vertebrate taxa, the species concept, analysis of taxonomic characters, and an introduction to zoogeography and behavior.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120

**BSC380 Introduction to Probability and Statistics for Biologists**

C

Hours 3

This course will provide an introduction to probability and statistical methods that are commonly used in the biological sciences. Practical, real-world examples from biology, ecology, and natural resources management will be used throughout the course. This course is aimed at 300-level students who intend to work with biological data, or anyone interested in statistics. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MATH 112 or MATH 115 or MATH 125 or MATH 145

Computer Science

**BSC385 Ecology and Evolution**

Hours 3

This course introduces the student to two fundamental disciplines in biology – ecology and evolution. We introduce the student to the processes common to both disciplines and show how these have shaped the diversity and organization of life on this planet.

Prerequisite(s): MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 145; and BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120

**BSC386 General Ecology Lab**

Hours 3

A discussion and problem solving-based course focusing on ecological issues. Emphasis is placed on integration and practical application of ecological concepts. Students will explore theories and practice ecology at different scales of biological organization: individual, populations, species interactions, community organization and environmental processes.

Prerequisite(s): BSC 385

**BSC390 Honors Thesis Research***UH*

Hours 1-8

Individual research conducted under the direction of an advisor and reported in an acceptable thesis. May be repeated over two to four semesters for a maximum 8 hours.

Prerequisite(s): BSC 315 and BSC 300 and BSC 385

University Honors

**BSC391 Tutorial In Biol Science**

Hours 1-2

Survey of the literature relating to a topic approved by the supervising faculty member; not to include laboratory or field research. A formal paper and/or examination is required. May be taken for one credit hour in each of two consecutive semesters, or for one or two credit hours in any one semester. Offered according to demand.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120

**BSC393 Biology Outreach***W*

Hours 2

Survey of literature, design of active learning projects and teaching science concepts to elementary students to encourage and enrich young children's interest in science. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. A maximum of 4 hours credit may be applied to the requirements for the biology or microbiology major.

Prerequisite(s): BSC 114; and BSC 115 or BSC 116 or BSC 118; and BSC 117 or BSC 120

Writing

**BSC396 Resident Study**

Hours 1-6

Prerequisite: Written approval from the department office prior to registration. Credit awarded is determined by the extent of the student's participation but may not exceed 6 hours.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120

**BSC398 Undergraduate Research**

Hours 1-4

Independent research or research participation. A maximum of 4 hours credit for BSC 398 may be applied to the requirements of the biology and microbiology majors; an additional 4 hours may be taken as elective credit and applied to the 120-hour requirement.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120

**BSC399 Presentation of UG Research***W*

Hours 2

Exploration of the process of presenting research results in different written formats including: abstract, poster, and full journal article. How the needs for clear presentation and response to peer review can inform the experimental process will also be covered. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 398

Writing

**BSC400 Vertebrate Funct Morphol**

Hours 4

Recommended for pre-health professions students. Lecture and laboratory. The comparative anatomy of the vertebrates with emphasis on functional features of several vertebrate species. Laboratory work deals mainly with identifying anatomical features of several vertebrate species.

Prerequisite(s): BSC 114 and BSC 115; or BSC 118; and BSC 116 and BSC 117; or BSC 120; and BSC 300

**BSC401 Molecular Ecology**

Hours 3

This course examines how variation in nucleic acid or protein sequences allow organisms or populations to function within, and adapt to, their environment.

Prerequisite(s): BSC 315 Minimum Grade of C- and BSC 385 Minimum Grade of C-

**BSC403 Intro To Bsc Instruction**

Hours 2

Prerequisites: BSC 114:115 or BSC 118, BSC 116:117 or BSC 120, and junior or senior standing, formal application, and a satisfactory interview.

Prerequisite(s): BSC 114 and BSC 115; or BSC 118; BSC 116 and BSC 117; or BSC 120

**BSC404 Honors Intro To Bsc Instruction**

UH

Hours 2

Prerequisites: BSC 114:115 or BSC 118, BSC 116:117 or BSC 120, and junior or senior standing, Honors attribute, formal application, and a satisfactory interview.

Prerequisite(s): BSC 114 and BSC 115; or BSC 118; and BSC 116 and BSC 117; or BSC 120

University Honors

**BSC407 Honors Seminar In Bsc**

UH

Hours 1

Seminar and discussion. In the first semester, students present seminars based on the current literature. In the second semester, students present seminars derived from their honors theses. A maximum of 2 hours of credit for BSC 407 may be applied to the requirements of the biology or microbiology major. Offered according to demand.

University Honors

**BSC409 Pre-Health Apprenticeship I**

Hours 2

This course provides a one semester apprenticeship at a local health care facility and is intended for all pre-health professional students. This course also has a service learning component. It does not count as applicable hours for the biology major or minor.

**BSC410 Pre-Health Apprenticeship II**

Hours 2

This course provides a one semester apprenticeship at a local health care facility and is intended for all pre-health professional students. This course also has a service learning component. It does not count as applicable hours for the biology major or minor.

**BSC411 Phage Discovery Laboratory**

Hours 3

A research-based laboratory course that isolates and characterizes bacterial viruses (phages) using modern microbiology, microscopy, and molecular biology techniques.

Prerequisite(s): Minimum grade of C- in BSC 310 and BSC 312.

**BSC412 Limnology**

Hours 3

Study of freshwater environments and the organisms that live in lakes, ponds, and streams. May be taken with BSC 413 or separately.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120

**BSC415 Wetland Ecology**

Hours 3

An in-depth analysis of wetland ecology emphasizing the biology and ecology of vascular plants, including plant adaptations to anaerobic soils, reproductive adaptations, habitat and plant zonation, and the role of plants in ecosystem function. Offered in alternate years.

Prerequisite(s): BSC 385

**BSC416 Disease Ecology**

Hours 3

This class will focus on the study of host-pathogen interactions within the context of their environment and evolution.

Prerequisite(s): ((BSC 114 Minimum Grade of C- and BSC 115 Minimum Grade of C-) or BSC 118 Minimum Grade of C-)) and ((BSC 116 Minimum Grade of C- and BSC 117 Minimum Grade of C-) or (BSC 120 Minimum Grade of C-)) and BSC 385 Minimum Grade of C-

**BSC417 Environmental Modeling**

Hours 3

An integrated study of quantitative principles and computer-based solution techniques important for understanding environmental systems and for environmental problem solving.

Prerequisite(s): MATH 125 and CH 101 or CH 100 or CH 117; and CH 102 or CH 118 and BSC 385

**BSC419 Evolutionary Genomics**

Hours 3

Evolutionary Genomics explores fundamental aspects of genome structure and function in an evolutionary context. Course topics range from chromatin structure evolution to whole genome duplication, and explores how these genomic traits impact the evolution of different organisms.

Prerequisite(s): BSC 315 Minimum Grade of C- and BSC 385 Minimum Grade of C-

**BSC420 Principles Of Systematics**

Hours 4

Introduction to the principles, methods, and applications of systematics to analysis of morphological and molecular data. Includes introduction to biological classifications and nomenclature.

Prerequisite(s): BSC 315 Minimum Grade of C- and BSC 385 Minimum Grade of C-

**BSC421 Personalized and Genetic Medicine**

Hours 3

This course will examine biological techniques that are advancing medical research and care. Topics include personalized medicine, direct-to-consumer genetic testing, predictive medicine, pharmacogenomics, and preimplantation genetic diagnosis. It will also explore concomitant ethical, legal, and societal ramifications related to many of these discoveries, such as ownership of biological material, informed consent for human experimentation, the burden of knowledge regarding genetic information, eugenics, and the Genetic Information Non-Discrimination Act.

Prerequisite(s): BSC 300 and BSC 315

**BSC422 Biology of Cancer**

Hours 3

This course is an introduction to the biological principals that explain the origins, development, pathology, and treatment of cancer. Students will work in teams assigned to particular types of cancer and will investigate what is known on various topics as related to that type of cancer.

Prerequisite(s): BSC 300 minimum grade of C- and BSC 315 minimum grade of C-



**BSC423 Honors Personalized and Genetic Medicine**

UH

Hours 3

This course will examine biological techniques that are advancing medical research and care. Topics include personalized medicine, direct-to-consumer genetic testing, predictive medicine, pharmacogenomics, and preimplantation genetic diagnosis. It will also explore concomitant ethical, legal, and societal ramifications related to many of these discoveries, such as ownership of biological material, informed consent for human experimentation, the burden of knowledge regarding genetic information, eugenics, and the Genetic Information Non-Discrimination Act.

Prerequisite(s): BSC 300 Minimum Grade of B and BSC 315 Minimum Grade of B

University Honors

**BSC424 Human Physiology**

Hours 3

Topics covered are the digestive, nervous, reproductive, immune, muscular, blood, cardiovascular, respiratory, urinary, and body-fluid systems. May be taken with BSC 425 or separately.

Prerequisite(s): BSC 300

**BSC425 Human Physiology Lab**

Hours 2

Hands-on experience for understanding the principles and mechanisms of physiological processes of the human body. Major emphases on organ system performance, whole-body metabolism, and energetics.

Prerequisite(s): BSC 424

Prerequisite(s) with concurrency: BSC 424

**BSC426 Computational Biology Lab**

Hours 3

Computational Biology Lab introduces the programming skills, statistical methods and conceptual foundations necessary to pursue computational analysis and modeling of biological systems. This course is designed for biology students, and it is not expected that students will have prior with experience with computing or programming.

Prerequisite(s): Minimum grade of C- or better in BSC 315 OR BSC 310 OR BSC 385.

**BSC428 Biology Of Fishes**

W

Hours 4

Lecture and laboratory. Survey of the structure, function, ecology, and classification of fishes. Offered in alternate years. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 385

Writing

**BSC430 Introduction to Pharmacology**

Hours 3

This course will cover the basic principles of pharmacology including mechanisms of drug action and drug absorption, distribution, metabolism, and excretion.

Prerequisite(s): BSC 300 Minimum Grade of C- and CH 231 Minimum Grade of C-

**BSC431 Pathogenic Microbiology**

Hours 3

Study of microorganisms related to health and disease with emphasis on molecular mechanism of pathogenesis. Offered in alternate years.

Prerequisite(s): BSC 310

**BSC432 Pathogenic Microbiol Lab**

Hours 3

Practical experience in the isolation, characterization, and identification of pathogenic microorganisms. Offered in alternate years.

Prerequisite(s): BSC 312 and BSC 431

Prerequisite(s) with concurrency: BSC 431

**BSC434 Plant Systematics**

Hours 4

Lecture and laboratory. Characteristics and distribution of the major families of vascular plants as well as practice in the collection and identification of flowering plants. One weekend field trip required. Offered in alternate years.

Prerequisite(s): BSC 360

**BSC435 Immunology**

Hours 4

Thorough exploration of various aspects of modern immunology at the molecular and cellular levels.

Prerequisite(s): BSC 310

**BSC439 Bch/Molecular Biology Lab**

Hours 3

Students participate in the generation of new knowledge, thus the experiments vary. Techniques taught include agarose gel electrophoresis, cycle sequencing, sequence analysis, plasmid purification, restriction endonuclease digestion, gel purification of DNA, ligation, transformation, primer design, PCR, gene knockouts, protein fusions, and enzyme assays.

Prerequisite(s): BSC 450

**BSC441 Developmental Biology**

Hours 3

The course provides basic information about events in developing animal systems, emphasizing cellular, molecular, and genetic research approaches to the study of development.

Prerequisite(s): BSC 300 and BSC 315

**BSC442 Integrated Genomics**

Hours 4

An advanced discovery-based laboratory course designed to introduce the process of gene discovery and integrate modern genomics techniques and bioinformatic database usage.

Prerequisite(s): BSC 300 and BSC 315

Prerequisite(s) with concurrency: BSC 315

**BSC444 General Virology**

Hours 3

A survey of viruses, viral replication, and viral pathogenesis, including bacterial, animal, and plant viruses. The role of viruses in molecular biology is emphasized.

Prerequisite(s): BSC 300 or BSC 310

**BSC445 Honors Endocrinology***UH, W*

Hours 3

A detailed examination of the vertebrate endocrine system that uses a comparative approach to explore intricate relationships between the brain, endocrine glands, hormones and target organs. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ( (BSC 114 Minimum Grade of C- and BSC 115 Minimum Grade of C-) or BSC 118 Minimum Grade of C-) and ( ( BSC 116 Minimum Grade of C- and BSC 117 Minimum Grade of C-) or BSC 120 Minimum Grade of C-) and BSC 300 Minimum Grade of C-

University Honors, Writing

**BSC446 Honors Animal Behavior***UH, W*

Hours 3

This course is designed to provide modern perspectives on the study of animal behavior, pulling from fields as diverse as evolutionary biology, ecology, neurobiology and economics. However there will be a historical undercurrent which will illustrate the roots of this truly interdisciplinary field. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ((BSC 114 Minimum Grade of C- and BSC 115 Minimum Grade of C-) or BSC 118 Minimum Grade of C-) and ((BSC 116 Minimum Grade of C- and BSC 117 Minimum Grade of C-) or BSC 120 Minimum Grade of C-) and BSC 385 Minimum Grade of C-

University Honors, Writing

**BSC448 Animal Behavior***W*

Hours 3

This course is designed to provide modern perspectives on the study of animal behavior, pulling from fields as diverse as evolutionary biology, ecology, neurobiology and economics. However there will be a historical undercurrent which will illustrate the roots of this truly interdisciplinary field. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 114 and BSC 115 or BSC 118; or BSC 116 and BSC 117 or BSC 120; and BSC 385

Writing

**BSC449 Endocrinology***W*

Hours 3

A detailed examination of the vertebrate endocrine system that uses a comparative approach to explore intricate relationships between the brain, endocrine glands, hormones and target organs. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120; and BSC 300

Writing

**BSC450 Fundamentals of Biochemistry**

Hours 3

A one-semester survey of protein structure, enzymes, bioenergetics, metabolism and its regulation. Designed for advanced undergraduate students.

Prerequisite(s): BSC 300 minimum grade of C- and CH 232 minimum grade of C-

**BSC451 Molecular Biology**

Hours 3

A one-semester survey of molecular biology that emphasizes gene structure, function, and regulation of expression. Offered spring semester.

Prerequisite(s): BSC 311 or BSC 315; and BSC 450; and CH 462 or

**BSC453 Biochemistry Lab**

Hours 3

This course is an advanced laboratory course which will introduce students to some basic concepts and common modern techniques used in biochemical/molecular biology/cell biology research. A broad spectrum of techniques will be presented to students, including native protein purification from animal tissue, chromatography, electrophoresis, characterization of molecular weight and sequences of the purified protein through mass spectrometry, enzymatic kinetics studies, and spectroscopic analysis. For students who have interest and aspire to pursue a research career in biochemistry, cell biology, molecular biology, immunology and/or other related biological science areas, this course will provide basic training and experience for a smooth start for their future laboratory work.

Prerequisite(s): Minimum grade of C- or better in BSC 300 AND CH 232

Prerequisite(s) with concurrency: BSC 450

**BSC455 Chemical Ecology**

Hours 3

Chemical interactions underlie and generate the biotic environment in which we live. This course will examine chemical interactions between organisms that can happen on different levels, from cell-cell interactions, intraspecific and multitrophic-level interactions to community-wide interactions and ecological processes.

Prerequisite(s): BSC 385 Minimum Grade of C- and CH 231 Minimum Grade of C-

**BSC456 Microbial Ecology**

Hours 3

Study of microorganisms in the environment, with emphasis on their roles in energy transformations, biogeochemical cycles, and biotic interactions.

Prerequisite(s): BSC 310 or BSC 385

**BSC458 Drug Discovery Laboratory**

Hours 3

A research-based laboratory course that focuses on the identification of new drug leads from natural products using modern pharmacognosy, phytochemistry and phytopharmacology techniques.

Prerequisite(s): BSC 450 Minimum Grade of C- And CH 237 Minimum Grade of C-

**BSC460 Human Developmental Biology**

W

Hours 4

Lecture and laboratory. Development of the human embryo and fetus, including molecular, physiological, and structural aspects of morphogenesis, and functional development. Offered in alternate years. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120; and BSC 300

Writing

**BSC464 Biology Of Algae**

W

Hours 4

Freshwater and marine algae: their structure, development, taxonomy, and distribution. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 360 or BSC 310

Writing

**BSC465 Prin Of Toxicology**

Hours 3

The study of adverse effects of chemicals on living organisms and methods for predicting the likelihood of such effects, including descriptive, mechanistic, and regulatory aspects.

Prerequisite(s): BSC 300 and BSC 315

**BSC467 Honors Data Management and Visualization in R**

UH

Hours 3

An introduction to the R computing environment with emphasis on data management and visualization.

Prerequisite(s): BSC 300 Minimum Grade of B or BSC 310 Minimum Grade of B or BSC 385 Minimum Grade of B

University Honors

**BSC469 Histology Of Vertebrates**

Hours 4

Lecture and laboratory. Identification of tissue types and components, histogenesis and function of tissues.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120; and BSC 300

**BSC470 Principles of Population Genetics**

Hours 3

Population genetics is the study of how evolutionary forces (genetic drift, natural selection, mutation, and gene flow) affect allele and genotype frequencies in populations. Population genetics is a field with a rich theoretical history that has allowed scientists to make predictions about these evolutionary processes. With the advent of massive amounts of genetic data in many species, it is now possible to test these predictions, and a solid foundation in theory, its expectations, and assumptions is crucial for interpreting results from genetic analyses. Students should expect to learn how evolutionary forces acting on individuals affect patterns of inheritance and ultimately drive the changes we see between species.

Prerequisite(s): BSC 315 minimum grade of C- and BSC 385 minimum grade of C- or permission of the instructor.

**BSC471 Plant Physiology**

W

Hours 3

A general survey for upper-level undergraduate students covering all aspects of plant physiology including plant transport, translocation of sugars in plants, plant biochemistry, plant metabolism, plant growth and development, photosynthesis, nitrogen fixation, flowering and plant hormones. The course will consist of lectures, in-class experiments, group discussions, presentations and other activities relating to course material. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 300 and BSC 360

Writing

**BSC472 Mycology**

W

Hours 4

Lecture and laboratory. Introduction to the fungi and their biology, including aspects of their structure and function, taxonomy, genetics, and ecology. Offered in alternate years. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 310

Writing

**BSC473 Bioinformatics**

W

Hours 3

Bioinformatics BSC 473/573 covers the tools and approaches necessary to perform computational analysis of large datasets. We will focus on analyzing high-throughput sequencing data although the tools we will learn are applicable to a wide range of modern biological questions. Specific topics include operating in a UNIX/bash shell environment, scripting, genome assembly, alignment, and algorithms. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Grade of C- or higher in BSC 315 Genetics.

Writing

**BSC475 General Entomology**

W

Hours 4

Lecture and laboratory. Survey of the structure, function, classification, and habits of insects. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 385

Writing

**BSC476 Aquatic Insects**

Hours 4

Lecture and laboratory. Survey of aquatic insects with emphasis on their identification, life histories, and ecology. Offered in alternate years.

Prerequisite(s): BSC 385

**BSC477 Invertebrate Zoology**

W

Hours 4

The classification, morphology, evolution, and ecology of invertebrate animals. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ( ( BSC 114 Minimum Grade of C- and BSC 115 Minimum Grade of C-) or BSC 118 Minimum Grade of C-) and ( ( BSC 116 Minimum Grade of C- and BSC 117 Minimum Grade of C-) or BSC 120 Minimum Grade of C-) and BSC 385 Minimum Grade of C-

Writing

**BSC478 Microbiomes in Health and Disease**

Hours 3

This class focuses on the study of host-microbiome interactions within the context of their environment, evolution, and global health.

Prerequisite(s): BSC 310 Minimum Grade of C-

**BSC480 Plant Ecology**

W

Hours 3

This course will examine the ecology of plants at different levels: individual, population and community. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 385 OR BSC 360

Writing

**BSC481 Foundations in Advanced Biostatistics with Applications to R**

Hours 3

This course provides an overview to common statistical methods used in biological research, using case studies from biology, ecology, and natural resources management. The overarching objective of this course is to give students the ability to use and effectively evaluate biological data. We will demonstrate and conduct statistical analyses with an emphasis on utilizing the statistical computing language, R, to apply statistical concepts to biological and ecological data.

Prerequisite(s): BSC 380

**BSC482 Conservation Biology**

Hours 3

A thorough examination of the principles of conservation biology.

Prerequisite(s): BSC 385

**BSC483 Evolution***W*

Hours 3

Thorough investigation of evolution, including population genetics, molecular evolution, adaptation, and speciation. Offered in the spring semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): BSC 385 and BSC 315

Writing

**BSC484 Aquatic Biology Seminar**

Hours 1

Review and discussion of current topics in aquatic biology.

Prerequisite(s): BSC 320 and BSC 385; and BSC 412 or BSC 490

**BSC485 Foundations in Forest Resources and Conservation**

Hours 4

This course provides an introduction to the foundational ideas of forest resources and conservation. The course includes a history of the forestry profession and a variety of perspectives to develop students' knowledge of forestry field and research methods. This course also helps students develop an understanding and appreciation of the diversity of forest resources both here in Alabama and globally.

Prerequisite(s): (BSC 114 minimum grade of C- or BSC 118 minimum grade of C-) and (BSC 116 minimum grade of C- or BSC 120 minimum grade of C-) and BSC 340 minimum grade of C- or BSC 385 minimum grade of C-.

**BSC487 Biogeography**

Hours 3

Examination of the ecological and historical factors influencing the geographic distribution of plants and animals. Offered alternate years.

Prerequisite(s): BSC 385

**BSC488 Research Seminars in Biology**

Hours 1

This course is a one-hour weekly seminar where students will be exposed to current research being performed in the UA Department of Biological Sciences and at other institutions. Students will gain exposure and familiarity with research and current methodology being used in the fields of Ecology, Evolution and Systematics, Animal Behavior and Physiology, Microbiology and Cell and Molecular Biology.

Prerequisite(s): 6 hours or more of BSC or MS courses at the 300-400 levels.

**BSC490 Stream Ecology**

Hours 4

Lecture and laboratory. Thorough study of the structural (physical and biological) and functional attributes (energy flow, nutrient cycling, community structure) characteristic of stream and river ecosystems. Offered in alternate years.

Prerequisite(s): BSC 385

**BSC494 Honors Signal Transduction Neuroby***UH*

Hours 3

An advanced undergraduate seminar on current topics related to signal transduction as it pertains to the molecular basis of neurobiology and development. Offered in alternate years.

Prerequisite(s): BSC 315 Minimum Grade of B and BSC 450 Minimum Grade of B

University Honors

**BSC497 Special Topics**

Hours 1-4

A biological sciences topic not covered in other courses. The credit hours and format are determined as appropriate to the topic, and a course title is added to the schedule of classes. Offered according to demand.

Prerequisite(s): BSC 114; and BSC 115 or BSC 118; and BSC 116; and BSC 117 or BSC 120

**BUI100 Convocation**

Hours 1

Experiences to extend and complement the Blount Scholars Program foundation courses. May be repeated once for credit.

**BUI101 Foundation I***HU*

Hours 3

Culture and nature are not merely the spaces we inhabit, they are the principal objects of human reflection and interpretation, or should be. This year-long course uses a survey of influential texts in philosophy, science, religion, political theory, and literature produced in the West over three millennia to provide students with an introductory practicum in the interpretation of culture and nature. Within this framework, more specific concepts to be explored will include the nature of society, the nature of the individual, the nature of government and justice as regulatory mechanisms between the two, the nature of power in its various forms, the concept of nature itself, and America as a social experiment in which these concepts are continually interpreted and reinterpreted.

Humanities

**BUI102 Foundation II***SB*

Hours 3

Culture and nature are not merely the spaces we inhabit, they are the principal objects of human reflection and interpretation, or should be. This year-long course uses a survey of influential texts in philosophy, science, religion, political theory, and literature produced in the West over three millennia to provide students with an introductory practicum in the interpretation of culture and nature. Within this framework, more specific concepts to be explored will include the nature of society, the nature of the individual, the nature of government and justice as regulatory mechanisms between the two, the nature of power in its various forms, the concept of nature itself, and America as a social experiment in which these concepts are continually interpreted and reinterpreted.

Social and Behavioral Sciences

**BUI301 Thematic Seminar**

Hours 3

A text-centered examination of a more specific problem connected with core concepts of the first-year Foundations sequence and viewed through the methodological lens of one of the disciplines in the liberal arts. May be taken 3 times for credit.

**BUI399 Blount Scholars Program Internship**

Hours 3

The student will work 10 hours per week with an approved mentor/organization and complete several academic projects based on their work.

Prerequisite(s): Students must be in The Blount Scholars Program.

**BUI401 Blount Capstone Worldviews**

W

Hours 3

Through the trope of sight-as-knowledge, the term worldview identifies any system of ideas, beliefs, and practices used by a particular group of people at a particular time in order to inhabit and understand the space they occupy and their lives within it. The concept of a worldview is intrinsically connected to the issues that structure the Blount first-year Foundations sequence, to wit, the nature of society, the nature of the individual, the nature of the regulatory mechanisms between the two, the nature of power in its various forms, and the concept of nature itself. The Capstone Worldviews course asks senior Blount students to explore some aspect of the concept of a worldview by undertaking a series of theoretical readings and developing a critical or creative project over the course of the semester.

Writing

**CC201 Introduction to Cyber Criminology**

Hours 3

Introduction to the traditional and contemporary forms of cybercrime, including hacking, insider threat, illicit drug markets, cyber bullying, and cyber terrorism.

**CC290 Special Topics in Cyber Crime**

Hours 3

Examination of selected issues in cyber security in the United States and throughout the world.

**CC301 Cyber Law and Policy**

Hours 3

Examination of cyber criminology from a law and policy perspective, including its impact on the Fourth and Fifth Amendment, jurisprudence, and the changing conceptions of privacy and identity.

Prerequisite(s): CC 201

**CC395 Internship**

Hours 1-9

Opportunity for students to conduct career exploration and build a record of experience in the fields of cyber criminology, network analysis, and digital forensics. To take this course students must obtain permission from the instructor for a specific number of hours and pass a background check. A maximum of 3 credit hours can be used towards the minor.

Prerequisite(s): CC 201 A maximum of 3 hours can be used toward the minor. Instructor must approve the number of hours and the student cannot deviate from those hours without permission of instructor.

**CC401 Law Enforcement in the Digital Age**

Hours 3

Examination of the role that technology plays in modern-day policing; provides students with a detailed overview of how the cyber, digital, and technological worlds have historically impacted policing.

Prerequisite(s): CC 201

**CC402 Digital Forensic Investigation**

Hours 3

Technical examination of how investigators collect, extract, analyze, and preserve data seized from devices in criminal cases; students gain hands-on experience with different forensic tools and software and learn of the various legal challenges in digital forensic investigations.

Prerequisite(s): CC 201

**CC403 Blockchain, Cryptocurrencies, and Criminal Investigations**

Hours 3

Examination of blockchain technology and cryptocurrencies as they pertain to criminal investigations; students will learn how to track and trace Bitcoin transactions using open source and proprietary tools. Students will have the opportunity to become trained and certified from Chainalysis.

Prerequisite(s): CC 201

**CC490 Special Topics in Cyber Criminology**

Hours 3

Examination of selected issues in cyber security in the United States and throughout the world. A maximum of six hours may be used toward the minor.

Prerequisite(s): CC 201

**CC499 Independent Study in Cyber Criminology**

Hours 1-3

Opportunity for students to further build a record of experience in the cyber criminology field by focusing on a topic agreed upon by the instructor and student. A maximum of 3 hours may be used toward the minor.

Prerequisite(s): CC 201

**CD102 Communicative Disorders First-Year Overview**  
SB

Hours 3

To learn skills and techniques helpful as they continue on in the college career. Through experiential learning and guest speakers students will learn many things about the field.

Social and Behavioral Sciences

**CD103 Communicative Disorders First-Year Overview Honors**  
SB, UH

Hours 3

To learn skills and techniques helpful as they continue on in the college career. Through experiential learning and guest speakers students will learn many things about the field.

Social and Behavioral Sciences, University Honors

**CD225 Intro Comm Disorders**

Hours 3

Study of the types of speech, language, and hearing disorders; an introduction to the principles of rehabilitation of communicative disorders; and consideration of employment settings.

**CD244 Phonetics**

Hours 3

Study of the principles of phonetics and their application to speech. The International Phonetic Alphabet is used for study and transcription.

**CD275 Anat Physio Sech Hear Mechansm**

Hours 3

Detailed study of the bases of speech and hearing, including anatomy, physiology, and neurology.

**CD277 Preprofess Lab Experienc**

Hours 1

Structured observational activities for students prior to their enrollment in a practicum course in speech-language pathology. Open to CD majors only.

**CD305 Language Development**

Hours 3

Theory and practice of normal speech and language processes and sequences.

Prerequisite(s): CD 225 and CD 244 and CD 275

**CD310 Acoustics of Speech**

Hours 3

This class is about the nature of sound. This is a critical component of producing and comprehending speech.

**CD350 Independent Study**

Hours 1-3

Directed readings in an area of communicative disorders. Open to CD majors only.

Prerequisite(s): Minimum of 18 hours in CD courses and permission of the instructor.

**CD351 Hearing Science**

Hours 3

This course will provide the student with an understanding of the physical aspects of sound and how it is processed physiologically through the human auditory system. In addition, the student will become familiar with the anatomy of the hearing mechanism.

Prerequisite(s): CD 225 CD 244 CD 275

**CD352 Neuroscience for the Study of Communicative Disorders**

Hours 3

An introductory course in neuroscience as it relates to the field of speech-language pathology. Students will be able to explain the anatomy and physiology of the brain, explain functions associated with structures in both the central and peripheral nervous systems, appreciate the nature and scope of neurogenic impairments, and understand brain abnormalities and neurological illnesses.

Prerequisite(s): CD 225 and CD 244 and CD 275

**CD360 Honors Independent Study***UH*

Hours 1-3

Undergraduate Independent study with faculty members for students enrolled in Honors College. This honors course emphasizes critical thinking, promotes active community and clinical engagement, and encourages peer collaboration. This course also promotes leadership and advocacy in the area of communication science and disorders.

University Honors

**CD402 Psychology of Language**

Hours 3

Language is a system of symbols that we use to communicate. The power of this system enables us to share the contents of our minds with other people who share that language. The evolution of language has profoundly shaped the lives of human beings, enabling our species to transmit knowledge from one generation to the next. This accumulated knowledge over time and space has allowed humans to proliferate as a species. New words are added to a language as new ideas emerge. The psychology of language is the study of the processes by which we as human beings generate grammatical sequences of linguistic symbols for comprehension by the listener.

Prerequisite(s): CD 225 CD 226 CD 244 CD 275

Prerequisite(s) with concurrency: CD 277

**CD420 Pediatric Disorders**

Hours 3

An introduction to articulation, phonology, and language disorders in children and adults as well as literacy and aural rehabilitation.

Prerequisite(s): CD 225 and CD 244 and CD 275 and CD 305.

**CD422 Acquired Neurological Disorders**

Hours 3

An introduction to aphasia, traumatic brain injury, dementia, dysarthria, and apraxia.

Prerequisite(s): CD 225 and CD 244 and CD 275 and CD 352.

**CD425 Applied Research in CD***W*

Hours 3

This course is meant to be a gentle-but-fast introduction to conducting research in Communicative Disorders. The goals of it is to help students position themselves to contribute to research in communicative disorders, construct the plan for completing a thesis during their Master's studies in CD, and develop practical research skills (conducting a systematic literature review, designing a study with attention to possible biases, analyzing data, and writing for professional audiences). Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CD 225 CD 244 CD 275 CD 277

Writing

**CD443 Basic Audiology**

Hours 3

Introduction to hearing evaluation, conservation, and impairment. Also considers the auditory system: anatomy, physiology, and pathology. Includes three laboratory sessions.

Prerequisite(s): CD 225 CD 244 CD 275

**CD444 Aural Rehabilitation**

Hours 3

The rehabilitation of hearing-impaired people primarily through auditory and visual training is addressed. Other sensory training, language development, speech production, and guidance are also considered. Open to CD majors only.

Prerequisite(s): CD 225 and CD 244 and CD 275 and CD 443.

**CD445 Audiology Lab Experience**

Hours 1-3

Supervised laboratory or clinical experience in hearing evaluation and rehabilitation.

Prerequisite(s): Completion of the 200-and 300-level undergraduate CD classes as well as CD 443. By application only.

**CD447 Clinical Practicum I***W*

Hours 3

Supervised clinical practice in speech therapy with children. Writing proficiency within this discipline is required for a passing grade in this course. This proficiency will include the ability to write coherent, logical, and carefully edited clinical reports with higher-level critical thinking skills, such as analysis and synthesis. \*Clinical Practicum earns the "W" designation for the core.

Prerequisite(s): CD 225 CD 244 CD 275 CD 277 CD 305 CD 420

Writing

**CD449 Sociolinguistics in SLP**

Hours 3

This course examines the relationship between language and society, with a primary focus on regional variation and social variation resulting from the interaction between various social constructs such as gender, class, culture, and ethnicity, with an emphasis on how variation might impact a clinical setting.

Prerequisite(s): CD 225, CD 226, CD 244, CD 275, and CD 277

**CD457 Clinical Practicum Speech- Honors***UH, W*

Hours 3

Supervised clinical practice in speech therapy with children. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. This proficiency will include the ability to write coherent, logical, and carefully edited clinical reports with higher-level critical thinking skills, such as analysis and synthesis. This course earns the "W" designation for the core. Additional Honors' requirements include formation of a comprehensive treatment guide for an assigned evidenced-based intervention approach/technique.

Prerequisite(s): CD 225 and CD 244 and CD 275 and CD 277 and CD 305 and CD 420

University Honors, Writing

**CH100 General Chemistry I - Plus***N*

Hours 5

This course is designed for students with lower level math backgrounds to successfully complete the freshman level entry course in general chemistry, a foundational and core science survey course. This is a 5 credit hr course for students who are taking, or meet the requirements to take, MATH 112 or 113 and who do not have placement into at least MATH 115. Chemistry topic coverage for CH100 is identical to that of CH101 and CH117 (ch E-10, Tro textbook), but the course content is expanded to include additional development of basic science, chemistry, math, and problem-solving skills. Additional lecture time is included for instruction in these areas, including added supervised problem-solving and mentoring of these students to better prepare and train them for successful completion of the first semester of general chemistry. Students who receive credit for CH100 will qualify to subsequently take CH102. Students cannot receive credit for both CH 100 and CH 101.

Prerequisite(s): MATH 100 or MATH 112 or higher

Prerequisite(s) with concurrency: MATH 112 or MATH 113 or higher

Natural Science

**CH101 General Chemistry***N*

Hours 4

Three lectures and one three-hour laboratory. Degree credit is not awarded for both CH 101 and CH 100 or for both CH 101 and CH 117. A survey of the fundamental facts, principles, and theories of general chemistry. Usually offered in the fall, spring, and summer semesters.

Prerequisite(s): UA Math Placement Test Score of 370-439 or ACT Math Subscore of 28 or old SAT Math Subscore of 630 or new SAT Math Subscore of 650

Prerequisite(s) with concurrency: MATH 112 or MATH 115 or MATH 125 or MATH 145 or MATH 126 or MATH 146 or MATH 227 or MATH 247

Natural Science



**CH102 General Chemistry***N*

Hours 4

Three lectures and one three-hour laboratory. Degree credit is not awarded for both CH 102 and CH 105 or both CH 102 and CH 118. Continuation of CH 100 or CH 101, with basic inorganic chemistry. Includes a systematic study of the elements and the structures, properties, and reactions of their compounds. Usually offered in the fall, spring, and summer semesters.

Prerequisite(s): (CH 100 or CH 101, or CH 117) and (MATH 112 or MATH 115 or MATH 125 or MATH 145 or MATH 126 or MATH 146 or MATH 227 or MATH 247 or UA Math Placement Test Score of 370-439 or ACT Math Subscore of 28 or old SAT Math Subscore of 630 or new SAT Math Subscore of 650)

Natural Science

**CH104 Introductory Chemistry***N*

Hours 4

Three lectures and one three-hour laboratory. The course is primarily for students in the Capstone College of Nursing and the College of Human Environmental Sciences; it may not be substituted for CH 101 except with departmental permission. Degree credit is not awarded for both CH 104 and CH 107. An introductory survey of the facts, principles, and theories of chemistry. Usually offered in the fall and summer semesters.

Natural Science

**CH105 Introductory Org Chem***N*

Hours 4

Three lectures and one three-hour laboratory. Not open to chemistry majors or minors or to students who have earned credit for CH 102. Degree credit is not awarded for both CH 105 and CH 102 or both CH 105 and CH 108. The course may not be substituted for CH 101 or CH 102. Brief survey of organic and biochemistry. Usually offered in the spring and summer semesters.

Prerequisite(s): CH 104 or CH 101 or CH 100 or CH 117

Natural Science

**CH117 Honors General Chemistry***N, UH*

Hours 4

Three lectures and one three-hour laboratory. Not open to students who have earned credit for CH 101. Degree credit is not awarded for both CH 117 and CH 101. A comprehensive study of the fundamental facts, principles, and theories of general chemistry. Usually offered in the fall semester.

Prerequisite(s) with concurrency: MATH 125 or MATH 145 or MATH 126 or MATH 146 or MATH 227 or MATH 247

Natural Science, University Honors

**CH118 Honors General Chemistry***N, UH*

Hours 4

Three lectures and one three-hour laboratory. Not open to students who have earned credit for CH 102. Degree credit is not awarded for both CH 118 and CH 102, or both CH 118 and CH 105. Continuation of CH 117 with basic inorganic chemistry. Includes a systematic study of the elements and of the structures, properties, and reactions of their compounds. Usually offered in the spring semester.

Prerequisite(s): CH 117 or CH 101 grade of A- or higher

Prerequisite(s) with concurrency: MATH 125 or MATH 145 or MATH 125 or MATH 146 or MATH 227 or MATH 247

Natural Science, University Honors

**CH223 Quantitative Analysis**

Hours 4

Three lectures and one three hour laboratory. Comprehensive course covering classical methods of quantitative analysis as well as an introduction to electrochemical, spectroscopic and chromatographic methods. Usually offered in the fall, spring and summer semesters.

Prerequisite(s): CH 102 or CH 118

**CH231 Elem Organic Chemistry I**

Hours 3

Three lectures. The course is an introduction to the theory and principles of organic chemistry. Topics include organic structure, syntheses, and analyses. Usually offered in the fall, spring, and summer semesters.

Prerequisite(s): CH 102 or CH 118

**CH232 Elem Organic Chem II**

Hours 3

Three lectures. This course is a continuation of CH 231. Usually offered in the fall, spring, and summer semesters.

Prerequisite(s): CH 231

**CH237 Elem Organic Chem Lab**

Hours 2

A one-hour lecture and five-hour laboratory. Designed for chemistry majors and chemistry minors to take concurrently with CH 232. Usually offered in the fall, spring, and summer sessions.

Prerequisite(s): CH 231

Prerequisite(s) with concurrency: CH 232

**CH331 Honors Organic Chemistry 1***UH*

Hours 3

Honors Organic Chemistry will combine a modern in-depth insight into our chemical world with an evolutionary understanding of how the science of chemistry came to be what it is now, and how and where it influences our everyday lives. This course may better serve the interests of students majoring in Chemistry, Chemical Biology, Biological Sciences, Pharmacy, and Material and Engineering Sciences by the inclusion of traditional chemistry topics along with careful examination of the impact of chemistry on the world around us.

Prerequisite(s): CH 102 or 118

University Honors

**CH332 Honors Organic Chemistry 2**

UH

Hours 3

Honors Organic Chemistry will combine a modern in-depth insight into our chemical world with an evolutionary understanding of how the science of chemistry came to be what it is now, and how and where it influences our everyday lives. This course may better serve the interests of students majoring in Chemistry, Chemical Biology, Biological Sciences, Pharmacy, and Material and Engineering Sciences by the inclusion of traditional chemistry topics along with careful examination of the impact of chemistry on the world around us.

Prerequisite(s): CH 231 or CH 331

University Honors

**CH338 Elem Organic Chem Lab II**

W

Hours 2

A one-hour lecture and five-hour laboratory. The course is designed for chemistry majors. Usually offered in the fall semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CH 232 and CH 237

Writing

**CH340 Elem Physical Chem**

Hours 3

Three lectures. This course is designed for students in the pre-health professional degree or pursuing the chemistry minor and is a study of the application of physical chemical concepts in biological systems. It is a.

Prerequisite(s): CH 223

Prerequisite(s) with concurrency: PH 102 or PH 106 or PH 126

**CH341 Physical Chemistry**

Hours 3

Three lectures. The course is designed for chemistry majors and is a study of the structure and properties of matter with emphasis on theoretical principles and their mathematical interpretation. Usually offered in the fall semester.

Prerequisite(s): Minimum grade of C- or better in CH 223 and MATH 227 or MATH 247

Prerequisite(s) with concurrency: PH 106 or PH 126

**CH342 Physical Chemistry**

Hours 3

Three lectures. The course is designed for chemistry majors. Continuation of CH 341. Usually offered in the spring semester.

Prerequisite(s): CH 341 Minimum grade of C-

**CH343 Elem Phy Chem Lab**

Hours 1

One three-hour laboratory. The course is designed to be taken concurrently with CH 340. Usually offered in the fall semester.

Prerequisite(s) with concurrency: CH 340

**CH348 Physical Chemistry Lab**

W

Hours 2

6 hours of laboratory. The course is designed to be taken concurrently with CH 342. Usually offered in the spring semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CH 341 and CH 342

Prerequisite(s) with concurrency: CH 342

Writing

**CH396 Undergrad Research**

Hours 1-3

3 hours laboratory per credit hour. The student works on a research project under the direction of a chemistry faculty member. CH 396 is offered in the fall, CH 398 is offered in the spring, and CH 399 is offered in the summer.

**CH398 Undergrad Research**

Hours 1-3

3 hours laboratory per credit hour. The student works on a research project under the direction of a chemistry faculty member. CH 396 is offered in the fall, CH 398 is offered in the spring, and CH 399 is offered in the summer.

**CH399 Undergrad Research**

Hours 1-3

3 hours laboratory per credit hour. The student works on a research project under the direction of a chemistry faculty member. CH 396 is offered in the fall, CH 398 is offered in the spring, and CH 399 is offered in the summer.

**CH405 Medicinal Chemistry**

Hours 3

Fundamental considerations in drug design. Includes lead discovery, target identification and validation, pharmacodynamics, pharmacokinetics and metabolism, and formulations/drug delivery systems. Chemical modifications to improve efficacy and pharmacokinetics will be emphasized.

Prerequisite(s): CH 232 and either CH 461, BSC 300, or BSC 450

**CH409 Organometallic Chemistry**

Hours 3

Survey of the typical reactions of organotransition metal complexes with a focus on the fundamental mechanisms of these reactions and the application of organometallic catalysts.

Prerequisite(s): CH 341 or CH 401 or CH 413

**CH410 Scientific Glassblowing**

Hours 3

The course introduces students to the fundamentals of scientific glassblowing through hands-on training. Usually offered during Interim.

**CH413 Inorganic Chemistry**

Hours 4

Three lectures and one three-hour laboratory. Survey in areas of coordination, main-group, and organometallic chemistry. Laboratory experiments involve the preparation, purification, and identification of inorganic compounds. Usually offered in the fall semester.

Prerequisite(s): Minimum grade of C- in CH 338 and CH 341

**CH424 Instrumental Analysis**

W

Hours 4

Two lectures and one five-hour laboratory. The course covers the general operating principles of the commonly used analytical instruments with an emphasis on theory. Wherever possible, mathematical interpretations and derivations are given. Usually offered in the spring semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Minimum grade of C- in CH 223 and CH 341 and CH 348

Writing

**CH432 Advanced Synthetic Organic Chemistry**

Hours 3

This course will serve as a co-listed course with CH 532. The main goal of this course is to instruct advanced organic chemistry to undergraduates.

Prerequisite(s): CH 232

**CH435 Inter Organic Chem**

Hours 3

Three lectures. The course is designed to familiarize the student with mechanism and synthetic organic chemistry. Usually offered in the fall semester.

Prerequisite(s): CH 232 and CH 342

**CH437 Spectroscopic Techniques**

Hours 3

This course is an introduction to the theory, application, and interpretation of four major types of structural analysis used by synthetic chemists: absorption, infrared, and nuclear magnetic resonance spectroscopy, as well as mass spectrometry. We will focus heavily on interpretation of spectra and application of these tools to address questions of structure and reactivity. While this is an organic chemistry class, examples of applications to organometallic and inorganic materials will also be presented.

Prerequisite(s): CH 232, 338, 342, and 348

**CH461 Biochemistry I**

Hours 3

Three lectures. Survey of the physical and chemical properties of the molecular components and methods of isolating and analyzing them. Usually offered in the fall semester.

Prerequisite(s): Minimum grade of C- in CH 223 and CH 232 and CH 237

**CH462 Biochemistry II**

Hours 3

Three lectures. Survey of the principal pathways of carbon, nitrogen, and energy metabolism and clinical and forensic chemistry. Usually offered in the spring semester.

Prerequisite(s): CH 461 or BSC 450

**CH463 Biochem-Clin/Foren/Chem**

W

Hours 3

One lecture and one six-hour laboratory. Biochemical techniques within the structure of a semester-long research project. Topics include protein purification and chromatography, spectroscopy, electrophoresis, kinetics, and DNA manipulation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CH 461 and CH 462

Prerequisite(s) with concurrency: CH 462

Writing

**CH466 Bioorganic Chemistry**

Hours 3

This course will be divided into two main areas. We will begin with methods for studying enzyme reaction mechanisms. This section will include steady-state enzyme kinetics, derivation of rate equations, enzyme inhibition, isotope exchange methods, pH and viscosity effects, kinetic isotope effects, and site-directed mutagenesis. We will then utilize these methods in order to investigate the chemical mechanisms enzymes use to catalyze specific reactions (hydrolysis; group transfer; 1,1 hydrogen shift; 1,2 hydrogen shift; C-C bond formations; and redox chemistry). We will also cover the chemistry associated with several cofactors required by enzymes (flavins, thiamin pyrophosphate, tetrahydrofolate, etc).

Prerequisite(s): CH 461

**CH474 Chemistry of Beer & Brewing**

Hours 3

The instruction will comprise approximately 35 45-minute lecture periods and include visits to breweries in the Rheingau along with historical points of interest. Beyond a historical and cultural introduction, the course will focus on the complex chemical substances and chemical transformations responsible for the flavor, aroma, texture, & color variations beer. The Science and Chemistry of Beer & Brewing exposes students to the process of making beer from fermentation and flavoring of sweet mashes through yeast growth and accompanying chemical transformations. Participants will learn about the different types of grains and mashes used to make beer and will learn to evaluate beer, choose beer to compliment the chemistry and taste of foods and differentiate between many locally and internationally produced ales. There is a significant Biochemistry and Organic Chemistry involved in the malting, mashing and fermentation process and understanding the chemistry behind the flavor, aroma, and color of beer. Participants will learn to correlate the scientific underpinnings with the resultant beers and ales.

Prerequisite(s) with concurrency: CH 232 or CH 332, CH 237, and CH 338 with the instructor's permission

**CH475 Chemistry of Cooking**

Hours 3

Chemistry as a discipline has its roots very early among the natural sciences. The ability to understand, manipulate and control substances in the environment is the central key to humankind's flexible adaptation to surroundings otherwise hostile to human life. Cooking is a subset of that science which facilitates utilization of nutrients in foods and allows for preservation for food for longer periods. Additionally, cooking is a fun, and social activity. When you're cooking, you're a chemist! Every time you follow or modify a recipe you are experimenting with acids and bases, emulsions and suspensions, gels and foams. In your kitchen you denature proteins, crystallize compounds, react enzymes with substrates, and nurture desired microbial life while suppressing harmful microbes. And unlike in a laboratory, you can eat your experiments to verify your hypotheses.

Prerequisite(s): CH 332 or CH 232 or with the instructor's consent.

**CH491 Honors Research Sem***UH*

Hours 1

The course is designed for students in the Chemistry Department Honors Program. CH 491 and CH 493 are offered in the fall semester; CH 492 and CH 494 are offered in the spring semester.

University Honors

**CH492 Honors Research Sem***UH*

Hours 1

The course is designed for students in the Chemistry Department Honors Program. CH 491 and CH 493 are offered in the fall semester; CH 492 and CH 494 are offered in the spring semester.

University Honors

**CH493 Honors Research Sem***UH*

Hours 1

The course is designed for students in the Chemistry Department Honors Program. CH 491 and CH 493 are offered in the fall semester; CH 492 and CH 494 are offered in the spring semester.

University Honors

**CH494 Honors Research Sem***UH*

Hours 1

The course is designed for students in the Chemistry Department Honors Program. CH 491 and CH 493 are offered in the fall semester; CH 492 and CH 494 are offered in the spring semester.

University Honors

**CH497 Intro To Research**

Hours 1-3

Three hours laboratory per credit hour. The student works on a research project under the direction of a chemistry faculty member. A final research report is required. CH 497 is offered in the fall; CH 498 is offered in the spring; and CH 499 is offered in the summer.

Prerequisite(s): CH 232 and CH 338 and CH 348 and CH 342

**CH498 Intro To Research**

Hours 1-3

Three hours laboratory per credit hour. The student works on a research project under the direction of a chemistry faculty member. A final research report is required. CH 497 is offered in the fall; CH 498 is offered in the spring; and CH 499 is offered in the summer.

Prerequisite(s): CH 232 and CH 338 and CH 342 and CH 348

**CH499 Intro To Research**

Hours 1-3

Three hours laboratory per credit hour. The student works on a research project under the direction of a chemistry faculty member. A final research report is required. CH 497 is offered in the fall; CH 498 is offered in the spring; and CH 499 is offered in the summer.

Prerequisite(s): CH 232 and CH 338 and CH 342 and CH 348

**CHI101 Elementary Chinese***FL, HU*

Hours 4

Contemporary Chinese Language (Mandarin): speaking, listening, reading and writing of simplified Chinese characters. The class meets five hours per week with an instructor. This course is intended for students with NO PRIOR KNOWLEDGE of Chinese. Native speakers or near native speakers of the language are NOT allowed to enroll. Any students with background knowledge of this language must see the program director before enrolling.

Foreign Language, Humanities

**CHI102 Elementary Chinese***FL, HU*

Hours 4

This is a continuation of Chinese language (Mandarin) on the elementary level. Course goals include stress on authentic reading and writing Chinese and a continuation of speaking with listening comprehension. The class meets five hours per week with an instructor. Native speakers or near native speakers of the language are NOT allowed to enroll.

Prerequisite(s): CHI 101

Foreign Language, Humanities

**CHI201 Intermediate Chinese***HU*

Hours 3

This is a continuation of Chinese language on the intermediate level. Course goals include stress on reading and writing Chinese and a continuation of speaking with listening comprehension. Native speakers or near native speakers of the language are NOT allowed to enroll.

Prerequisite(s): CHI 101 and CHI 102

Humanities

**CHI202 Intermediate Chinese**

HU

Hours 3

This is continuation of CHI 201. Emphasis on authentic Chinese reading and writing as well as culture. Native speakers or near native speakers of the language are NOT allowed to enroll.

Prerequisite(s): CHI 201

Humanities

**CHI270 An Introduction to Chinese Culture**

HU

Hours 3

What makes Chinese people Chinese? Delivered in English, this course provides an introduction to Chinese culture and society. In this course, ten key Chinese cultural values will be discussed. While these concepts are situated in relation to traditional Chinese culture, their relevance to the rapidly changing China today will be investigated. Readings, lectures, discussions, videos, and experiential learning sessions are integrated into this course to dissect the complexity of Chinese culture.

Humanities

**CHI301 Third-year Chinese**

Hours 3

Study of contemporary Chinese language and culture. Emphasis is on the development of reading and writing skills in cultural context. Native speakers or near native speakers of the language are NOT allowed to enroll.

Prerequisite(s): CHI 202

**CHI302 Third-year Chinese**

Hours 3

Continuation of CHI301. Study of contemporary Chinese language and culture. Native speakers or near native speakers of the language are NOT allowed to enroll.

Prerequisite(s): CHI 301

**CHI350 Traditional Chinese Lit Trans**

Hours 3

Introduction to Chinese literature from the earliest times to the 20th century. No knowledge of Chinese is required.

**CHI351 Modern Chinese Lit Trans**

Hours 3

Introduction to 20th-century Chinese literature. No knowledge of Chinese is required.

**CHI353 Conversation/Composition**

Hours 1-4

This course is intended for students of the intermediate level Chinese. Classes emphasize communicative aspects of socially correct conversational skill as well as reading and writing of authentic contemporary Chinese (Mandarin).

Prerequisite(s): CHI 202

**CHI354 Conversation/Composition**

Hours 1-4

Continuation of CHI353 with more emphasis on reading and writing of Chinese.

Prerequisite(s): CHI 353

**CHI356 Chinese Films and Society**

Hours 3

This course helps students gain an understanding of the social, political, cultural, and economic, and historical changes that have taken place in China since the 1920s. Students will discuss a broad range of films from Chinese classics, independent movie, to mainstream box office that all address individual sensation and important themes in contemporary society. Through combination of viewing, reading, discussing, and writing, students will understand Chinese values, culture, human sensation, and historical contexts.

**CHI357 Chinese Cuisine and Heritage**

Hours 3

Chinese cuisine forms a significant aspect of heritage identification of Chinese ethnic groups. This course use the lens of food to explore Chinese heritage, culture, and history. Students assess the complex ways that food connects not only to daily life, through cooking and eating, as spice, herbs and as medicine, from the expression and formation of the self to the mediation of social relationship, but to larger histories of trade, ecology, medicine, religion, agriculture, travel and ethnic identity.

**CHI401 Advanced Reading and Writing Chinese I**

Hours 3

Advanced level Chinese. Emphasis on reading and writing of modern Chinese (Mandarin). Native speakers or near native speakers of the language are NOT allowed to enroll.

Prerequisite(s): CHI 302

**CHI402 Advanced Reading and Writing Chinese II**

Hours 3

Continuation of CHI 401 for advanced students. Offered according to demand.

Prerequisite(s): CHI 401

**CIP101 International Student Success: WIN at UA**

Hours 2

This course is designed for new and transfer international students. It will help them WIN at UA – through welcoming, integrating, and navigating a new academic and cultural experience. The course covers topics such as academic resources, honor code, academic misconduct, an overview of the U.S. higher education system and UA in particular, U.S. classroom culture, the cultural adjustment cycle and culture shock, strategies for successful integration into U.S. campus life, and student services resources.

Prerequisite(s): None.

**CIP200 Introduction to Global & Cultural Perspectives**

HU

Hours 3

Designed as the first course to be taken in the Global and Cultural Perspectives minor, this course introduces the undergraduate student to the cultural, economic, physical and political aspects of being a world citizen in the 21st century. The emphasis of this course is the contemporary rather than the historical and will set the philosophy for the students' approach to the entire Global and Cultural Perspectives curriculum, both core and emphasis-area courses.

Humanities

**CIP202 Introduction to Global and Cultural Perspectives: Exp Lrng**

HU

Hours 3

The increasing interconnectedness among people around the world is indisputable. As a society, we are increasingly aware of the way trends and processes reach beyond the confines of local, regional, and national boundaries. At UA's Capstone International Center, we know that a 21st century citizen is certain to live a life that includes a variety of encounters with other cultures. It is our hope that you will take advantage of the many opportunities UA offers for intercultural engagement. And, this course has been designed to be one of those opportunities.

Prerequisite(s): None

Humanities

**CIP401 Out-Going Internation Exchange**

Hours 12

Out-Going International Exchange.

**CIP402 Abroad Experience**

Hours 0

Non-credit Abroad Experience.

**CIP403 Out-Going Internation Exchange**

Hours 12

Out-Going International Exchange.

**CIP405 Out-Going Internation Exchange**

Hours 12

Out-Going International Exchange.

**CIP413 Cip Out-Going Enrollment**

Hours 1-18

CIP out-going independent/direct enrollment, Study abroad student, graduate or undergraduate, in-state or out-of-state student.

**CJ100 Intro Criminal Justice**

SB

Hours 3

An overview of the criminal justice system with emphasis on the roles and problems of law enforcement, courts, and correctional components. CJ 100 is a prerequisite for all 300- and 400-level criminal justice courses.

Social and Behavioral Sciences

**CJ210 Criminal Justice Career Planning**

Hours 3

Overview of criminal justice career opportunities and a variety of specializations within the field; focus on professional development skills.

**CJ220 Law Enforcement**

Hours 3

Development of law enforcement; organization and jurisdiction of local, state, and federal law enforcement agencies; and functions of police officers.

**CJ221 Private Security**

Hours 3

Organization and management of the security function in industry, business, and government. Exploration of methods to protect personnel, facilities, and other major assets.

**CJ223 Homeland Security**

Hours 3

Overview of the United States Department of Homeland Security from its initiation to present day; exploration of the wide range of issues that the department influences, both policy and operational.

**CJ225 Community Based Corrections**

Hours 3

Introduction and overview of the complex world of Community Based Corrections; offering a history of the evolution of punishment and implementation of alternative sanctions.

**CJ230 Social Inequality in the Criminal Justice System**

W

Hours 3

Examination of issues related to the oppression of people on the basis of their class, race, sex, gender, gender expression, ethnicity, sexual orientation, and physical or mental ability within the criminal justice system. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**CJ240 Juvenile Delinquency**

Hours 3

Examines the extent and patterns of delinquency, theories of delinquency, research on the causes of delinquency, the juvenile justice system, and the prevention and control of delinquent behavior.

**CJ250 Judicial Process**

Hours 3

Overview of the judicial component of the criminal justice system in the United States; examines the organization of courts, roles and responsibilities of courtroom players, and systemic challenges.

**CJ270 Corrections**

Hours 3

Overview of U.S. corrections, jails and prisons, institutional procedures, recent innovations, and the future of corrections.

**CJ280 Research Methods**

Hours 3

Theoretical and specific instruction in both the conduct and application of research methods in criminal justice settings. Includes problem of research and policy dimensions of both direct and applied approaches.

Prerequisite(s): CJ 100

**CJ290 Special Topics in Criminal Justice**

Hours 3

Examination of selected problems and issues in Criminology and Criminal Justice. A maximum of six hours may be used toward the major.

**CJ300 Survey Criminal Theories**

Hours 3

Study of traditional and modern explanations of crime and criminality.

Prerequisite(s): CJ 100

**CJ303 Race, Ethnicity, and Crime**

W

Hours 3

Effect of race and/or ethnicity on experiences in the criminal justice system, focusing mostly on research/theories of offending, victimization, and experiences as CJ system workers. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CJ 100

Writing

**CJ304 Gender and Crime**

W

Hours 3

Effect of gender on experiences in the criminal justice system, focusing mostly on research/theories of offending, victimization, and experiences as CJ system workers. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CJ 100

Writing

**CJ306 History of Crime and Justice**

Hours 3

Examination in historical sequence of the perspectives on and methods of crime control, from the traditional to the modern.

Prerequisite(s): CJ 100

**CJ330 Organization and Management Concepts in Criminal Justice**

Hours 3

Formal organization theory and personnel administration, with emphasis on law enforcement agencies.

Prerequisite(s): CJ 100

**CJ381 Statistics**

Hours 3

Statistical methods in criminal justice, including central tendency and dispersion, tests of significance, and measures of association.

Prerequisite(s): CJ 100, and MATH 110 or MATH 112 or MATH 115 or MATH 125

**CJ395 Internship**

Hours 1-12

An opportunity for students to conduct career exploration and build a record of experience in the field.

Prerequisite(s): CJ 100 \*\*\*A maximum of 6 hours can be used toward the major.

**CJ408 Gendered Justice and the Death Penalty**

Hours 3

Gender and justice issues related to women sentenced to death; exploring the historical, social, political, and legal issues of serving time in female prisons.

Prerequisite(s): CJ 100

**CJ409 Women, Law, and Incarceration**

Hours 3

Examination of the various issues that confront women who are incarcerated; legal issues surrounding women's pathways to crime and their incarceration experiences will be explored.

Prerequisite(s): CJ 100

**CJ420 Seminar In Law Enforcement**

Hours 3

Examines the philosophical basis of law enforcement and traces the development of the law enforcement function.

Prerequisite(s): CJ 100

**CJ421 Forensic Science**

Hours 3

This course provides student with instruction in the fundamentals of criminal investigation from a forensic science perspective.

Prerequisite(s): CJ 100

**CJ422 Terrorism**

Hours 3

An analysis of selected areas of terrorism and counter-terrorism, with an emphasis on parallels between terrorism and crime.

Prerequisite(s): CJ 100

**CJ424 Hate Crimes**

Hours 3

Critically evaluates various root causes and consequences of hate crimes; analyzed through an integration of social science theory, empirical research, and legal scholarship.

Prerequisite(s): CJ 100

**CJ425 Domestic Violence**

Hours 3

Examination of violence in the context of domestic situations; an exploration of historical and contemporary contexts, various intervention strategies and preventative measures.

Prerequisite(s): CJ 100

**CJ426 White Collar Crime**

Hours 3

This course provides a discussion of white-collar crime for the standpoint of criminological theory as well as criminal justice system policies, laws, and procedures.

Prerequisite(s): CJ 100

**CJ427 Homicide**

Hours 3

Analysis of different types of homicide, such as felony-murders, crimes of passion, serial killings, celebrity-perpetrated killings, and/or mass murders.

Prerequisite(s): CJ 100

**CJ428 Human Trafficking**

Hours 3

Exploration of the various types of human trafficking, their underlying causes and contributing factors, and preventative measures and counter-trafficking initiatives.

Prerequisite(s): CJ 100

**CJ430 Drugs, Crime, and Policy**

Hours 3

Examines drug-related topics, such as the history of drug use, drug trafficking organizations, and domestic and international drug-related policies.

Prerequisite(s): CJ 100

**CJ435 Global Perspectives on Crime and Justice**

Hours 3

Exploration of crime and criminal justice systems around the world; various transnational and international crimes, state criminal justice systems, and regional and supranational criminal justice mechanisms are examined.

Prerequisite(s): CJ 100

**CJ440 Seminar in Juvenile Delinquency**

Hours 3

Examines the historical, philosophical, and legal underpinnings of the juvenile justice system, the institutions related to the control and prevention of delinquent behavior, and the various challenges and dilemmas faced by the professionals working in those institutions.

Prerequisite(s): CJ 100

**CJ460 Criminal Law I**

Hours 3

Introduction to the general principles of substantive criminal law; exploration of the nature of criminal acts, mental state, defenses, and burdens of proof.

Prerequisite(s): CJ 100

**CJ461 Criminal Law II**

Hours 3

Examination and analysis of Constitutional provisions and case law governing selected areas of criminal procedure.

Prerequisite(s): CJ 100

**CJ470 Mass Incarceration**

Hours 3

History, analysis, and evaluation of American correctional institutions, including the sociology of confinement and reform movements within the system.

Prerequisite(s): CJ 100

**CJ483 Law And Society**

Hours 3

Exploration of the nature, function, and limits of law in society.

Prerequisite(s): CJ 100

**CJ490 Special Topics in Criminal Justice**

Hours 3

Examination of selected problems and issues in criminal justice. A maximum of twelve hours may be used toward the major.

Prerequisite(s): CJ 100

**CJ499 Independent Study In CJ**

Hours 1-6

Research under faculty supervision; requires faculty approval. A maximum of 3 hours may be used toward the major or minor.

Prerequisite(s): CJ 100

**CL222 Greek Roman Mythology**

*HU*

Hours 3

Greek and Roman mythology is at the spiritual core of much of Western civilization. For the ancients, myth was a religion, a means of alleviating common fears, a way of adding structure to the world, and a means of communicating values from one generation to the next. For literary authors and dramatists from ancient times to now, myth has provided a mechanism for conveying the desired message and image to the reader's mind. For material artists of all periods, myth has been a favorite subject matter. Thus, the investigation of myth should be undertaken early in one's studies in order to lay the foundation for understanding other cultural and artistic disciplines.

Humanities

**CL300 History of the Early Church**

Hours 3

This course covers the main events, processes, figures and texts in the history of Christianity in Late Antiquity and the Middle Ages. The course begins with the introduction in which we will discuss the historical, social, and intellectual factors that influenced the development of early Christianity, its cultural connections with Judaism and Hellenism, and the appearance of the formative texts of Christianity. The subsequent lectures will be organized chronologically. The course also pays its due attention to the Byzantine Church and Eastern Christian traditions (Syriac, Coptic, Georgian, Armenian, Slavic, Arabic).

Prerequisite(s): None



**CL323 Alexander the Great, Then & Now***HU*

Hours 3

In this course, students examine the vision and impact of Alexander the Great, whose military expedition to North Africa and the Middle East offers a model of a stable political structure on a global scale. Alexander's activity ranged from Greece to India. The world he encountered was as foreign, diverse, strange and occasionally averse to his Western sensibilities as it is to us today. Yet, his vision was to overcome xenophobic tendencies (both among the conquering Greeks and the conquered people) and create a global and inclusive empire that was enriched by the different races, cultures, religions and civilizations it encompassed. This course is broad in scope and content and takes a global perspective regarding the factors of Alexander's success, emphasizing the history and appreciation of the Humanities, rather than simply the ability to perform tasks at the written level. The study of Alexander's achievement cultivates an appreciation of history and the Humanities on a practical level, while developing the students' ability to deal with questions of values, ethics, and aesthetics on a global and historical level.

Humanities

**CL333 Greek Civilization: Myth, History, Culture***HU*

Hours 3-6

This course is taught in Greece and aims at introducing students to the history and culture of Greece, from antiquity to the modern era. Greece is at the crossroads between Europe, Africa and the Middle East and, as a result, a variety of cultures have left their cultural marks in the area: Egyptian, Minoan, Roman Christian, Muslim and Jewish. Yet, in the course of time, the Greeks have developed their own particular civilization, which is characterized by tremendous inventions, discoveries and technological advancements that have impacted the Western world and its identity. The Greeks do not claim to have invented the wheel, but to have used it in order to give the world theater, art, architecture, the Golden Mean, geometry, the Parthenon, automated machines, medicine, philosophy, the first universities and, above all, democracy. Students participating in the Greece program learn about (i) the value of myths and legends associated with historical sites; (ii) the history and important events in every site; and (iii) the influence of Greek culture on the modern world.

Humanities

**CL344 Julius Caesar: Life, Death, and Legacy***W*

Hours 3

This course examines the figure of Julius Caesar, and his reception in later eras, through his own writings and later texts that re-imagined his life and achievements. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**CL350 Roman Religion***W*

Hours 3

This course provides an in-depth study of the public and private religious practices of ancient Rome from the earliest times into the Christian period. Students will learn about the rituals (calendrical festivals, burial rites, special celebrations) and structures (the priesthood, temples, State control, etc.) that constitute Roman religion along with the world-view behind it. Some attention will be given to theoretical aspects and comparative anthropological models. This is an advanced course for majors or minors and for those with a broader interest in the study of religion. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**CL365 Greece & Rome in Literature & Film***HU*

Hours 3

This course uses a two-step approach to ancient literature: epic poems, dramatic plays, historical works and historical biographies are, first, analyzed for their own value as pieces of timeless beauty and wisdom; then, they are seen in the light of film adaptations, as they are repurposed for the benefit of modern audiences. In the process, students learn to appreciate the literature while becoming competent in critiquing films based on their portrayal of ancient culture. Overall, this course addresses student ability to deal with questions of values, ethics and esthetics as they are represented in literature, film and related fields in the Humanities. It also emphasizes the history and appreciation of the Humanities, rather than simply the ability to perform tasks at the written level. Nevertheless, this course will include substantial writing assignments that encourage the development of critical thinking and require students to analyze, synthesize, and evaluate knowledge.

Humanities

**CL380 Special Topics**

Hours 3

Detailed investigations of specific aspects of Greco-Roman civilization such as ancient drama, women's lives, ancient religion, and technological achievements.

**CL385 History Of Greece**

Hours 3

This course surveys the history of Rome from its founding to its fall, beginning with the first settlements in what would later be the city center of Rome ca. 1000 BC, and ending with the collapse of the Empire in the West in AD 476.

**CL386 History Of Rome**

Hours 3

Introduction to the ancient history of Rome, with emphasis on the Republic from its Etruscan beginnings to the Second Punic War, and on the golden age of Caesar Augustus at the beginning of the Roman Empire.

**CL450 Aristotle: How Stuff Works**

W

Hours 3

This course covers the life, thought, and influence of the Greek philosopher Aristotle with a particular interest in his system of logic (the syllogism), and doctrines of ontology, change, causes, knowledge, the natural world, the soul, ethics, and other aesthetic matters. Readings from Ackrill's selections of Aristotle will serve as a gateway into these topics. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**CL498 Honors Research in Classics I**

UH

Hours 3

Independent research and writing to produce an honors thesis in the fields of Classical Civilization, Latin, or Greek.

Prerequisite(s): Instructor Permission

University Honors

**CL499 Honors Research in Classics 2**

UH

Hours 3

Independent research and writing to produce an honors thesis in the fields of Classical Civilization, Latin, or Greek.

Prerequisite(s): CL 498 with a grade of B- or better

University Honors

**CRL101 Elementary Critical Language I**

Hours 1-6

This course is for students studying any beginning level of less commonly taught languages offered by the Critical Languages Center or abroad, and repeatable for credit with different languages. Supervised self-study system applied. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

**CRL102 Elem. Critical Language II**

Hours 1-6

This course is equivalent to the second semester level of less commonly taught languages at the Critical Language Center or abroad, and repeatable with different languages. Supervised self-study system applied. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

**CRL201 Int. Critical Language I**

Hours 1-6

This course is equivalent to the third semester level of a less commonly taught language at the Critical Languages Center or abroad, and repeatable for credit with different less commonly taught languages. Supervised self-study system applied. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

**CRL202 Int. Critical Languages II**

Hours 1-6

This course is equivalent to the fourth semester level of less commonly taught languages at the Critical Languages Center or abroad, and repeatable for credit with different less commonly taught languages. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): A grade of C or higher in the CRL 201 of the desired language taken at UA

**CRL301 3rd Year Critical Lang. I**

Hours 1-6

This course is for students who have completed four semesters of a less commonly taught language and wish to pursue a higher level of language proficiency. Language proficiency must be evaluated as adequate for this level by the Critical Languages Center, and the consent of the CLC director is required. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): Permission of Instructor Required

**CRL302 3rd Year Critical Lang. II**

Hours 1-6

This course is a continuation of the 301 course provided through the UA Critical Languages Center. The course is for students who have a comprehensive grammatical knowledge, and are already able to communicate in the target language on the level of daily life in the target language. Students will work in this class to improve the accuracy and authenticity of socially correct communication in the target language.

Prerequisite(s): Earn a grade of B- or higher in the target language, AND submit to the CLC Director a short essay explaining your purpose to continue studying this language. Only highly motivated students will be allowed to register for this class. Students who took the 301 level course at another institution must have approved transfer credits by UA, AND contact the CLC Director BEFORE registering.

**DN105 Freshman Seminar for Dance Majors**

Hours 1

This course is open to first-year UA Dance majors and is designed to help students navigate college and introduce them to the field of dance as they progress through the major. The course provides an introduction to the UA dance faculty and their various specialties along with various topics related to the study of dance. It additionally includes information about resources and services at UA.

**DN110 Intro To Dance Styles**

Hours 3

Introduction to ballet, modern, and jazz dance through theory and practice at the beginning level.

**DN111 Modern Dance Technique I**

Hours 3

This course will introduce the basics of modern and contemporary dance techniques.

**DN121 Ballet Technique I-A**

Hours 3

A studio course in classical ballet for first year dance majors or musical theatre majors.

**DN122 Ballet Technique I-B**

Hours 3

The development of theory and practice of classical ballet for first year dance majors or students with some previous experience in ballet.

**DN142 World Dance**

Hours 2

An introduction to dance movement as influenced by various cultures.

**DN152 Jazz Technique I-B**

Hours 3

Development of jazz dance technique at the beginner level. This course is designed to provide an introduction to basic jazz technique, including proper warm-up, alignment work, center work, isolations, traveling sequences and improvisations.

**DN200 Special Topics**

Hours 3

Investigation of dance theories and principles. May be repeated for differing topics.

**DN210 Dance Styles II**

Hours 3

This course will include study of various dance styles at the intermediate level in order to prepare the musical theatre student for more advanced study. Students will be taught dance combinations from musical theatre repertoire in order to enhance technical skills while preparing for performance. The history and development of musical theatre dance will also be explored. Musical Theatre majors only or permission of the instructor.

**DN211 Modern Dance II-A**

Hours 3

A studio course in modern dance techniques at the intermediate level. Dance majors only.

**DN212 Modern Dance II-B**

Hours 3

A studio course in modern dance technique at the advanced intermediate level. Dance majors only.

**DN221 Ballet Technique II-A**

Hours 3

Development of classical ballet technique, and performance quality at the intermediate level for dance majors. Dance majors only.

**DN222 Ballet Technique II-B**

Hours 3

Development of the classical theory and practice of ballet, at the advanced intermediate level. Dance majors only.

**DN251 Jazz Technique II-A**

Hours 3

A studio course in jazz dance technique at the intermediate level. Dance majors only.

**DN252 Jazz Technique II-B**

Hours 3

A studio course in jazz dance technique at a more advanced intermediate level. Dance majors only.

**DN255 Beginning Tap Dance**

Hours 3

A course designed to introduce tap dance language and style while immersing the beginning/intermediate student in the execution of proper tap dance technique and performance. Warm-up and across the floor exercises as well as various combinations will be taught.

Prerequisite(s): Entrance into the Musical Theatre program or permission of instructor.

**DN290 Dance Practicum**

Hours 1

This course provides for participation in departmental dance productions in the form of working on dance shows in a capacity other than performing.

**DN300 Special Topics**

Hours 1-3

Study of dance theories and principles for performance, choreography or pedagogy. Permission of instructor.

**DN301 Special Topics II**

Hours 1-3

This course will focus on one area of dance such as technique, repertoire, composition or pedagogy in order to facilitate a more advanced analysis of that specific area.

**DN305 Choreography & Performance Workshop 1**

Hours 1-3

Choreography and Performance Workshop allows students to apply their knowledge of choreographic and performance practice in a faculty-mentored environment.

**DN306 Choreography & Performance Workshop 2**

Hours 1-3

Choreography & Performance workshop allows students to apply their knowledge of choreographic and performance practice in a faculty-mentored environment.

**DN310 Dance Styles III**

Hours 3

Continued exploration of musical theatre dance technique and style at a more advanced level. Students will learn movement covering a wide range of musical theatre eras and styles, with a focus on learning material quickly. For Musical Theatre majors. May be repeated for a maximum of 6 hours.

Prerequisite(s): DN 210

**DN311 Modern Dance Technique III-A**

Hours 3

Development of modern dance technique at the advanced level. Dance Majors or permission of instructor.

Prerequisite(s): DN 211 or DN 212

**DN312 Modern Dance Technique III-B**

Hours 3

Continued development of advanced modern dance technique. Dance Majors or permission of instructor.

Prerequisite(s): DN 211 or DN 212

**DN321 Ballet Technique III-A**

Hours 3

Development of ballet technique at the advanced level. Includes ladies' pointe work and men's technique.

Prerequisite(s): DN221 or DN222

**DN322 Ballet Technique III-B**

Hours 3

Continued development of ballet technique at the advanced level. Includes ladies' pointe work and men's technique.

Prerequisite(s): DN221 or DN222

**DN323 Ballet Pointe Technique**

Hours 1-3

Ballet pointe technique and preparation for classical and contemporary pointe repertoire.

Prerequisite(s): DN 221 or DN 222

**DN351 Jazz Technique III-A**

Hours 3

Development of jazz dance technique at the advanced level. Dance Majors or permission of instructor.

Prerequisite(s): DN 251 or DN 252

**DN352 Jazz Technique III-B**

Hours 3

Continued development of jazz dance technique at the advanced level. Dance Majors or permission of instructor.

Prerequisite(s): DN 251 or DN 252

**DN380 Independent Study In Dance**

Hours 1-3

Independent Study as approved by faculty.

**DN381 Indep Study In Dance**

Hours 1-3

Independent Study to develop research and/or applied skills, and gain expertise in the chosen topic area.

**DN400 Special Topics**

Hours 3

Prepare dancers for a professional career in dance performance through the rehearsal process of learning and performing, ballet, modern and jazz dance repertoire.

**DN401 Performance Studies I**

Hours 1-3

Performance skills and practice for dance.

**DN402 Performance Studies II**

Hours 1-3

Additional performance skills and practice for dance.

**DN410 Advanced Tap Technique**

Hours 3

An advanced course focusing on tap dance language and the execution of advanced tap technique.

Prerequisite(s): DN 210 and DN 310

**DN411 Modern Dance Technique IV-A**

Hours 3

Development of modern dance technique at the advanced level, preparing the student for professional work.

Prerequisite(s): DN 311 or DN 312

**DN412 Modern Dance Technique IV-B**

Hours 3

Continued development of advanced modern dance technique, preparing the student for professional work.

Prerequisite(s): DN 311 or DN 312

**DN421 Ballet Technique IV-A**

Hours 3

Advanced ballet technique including study of ballet repertoire in preparation for professional work. For dance majors.

Prerequisite(s): DN 321 or DN 322

**DN422 Ballet Technique IV-B**

Hours 3

Continued development of advanced ballet technique and repertoire in preparation for professional work. For dance majors.

Prerequisite(s): DN 321 or DN 322

**DN451 Jazz Technique IV-A**

Hours 3

Development of jazz dance technique at the advanced/pre-professional level. Will focus on elements of technique and style for concert, commercial, and musical theatre jazz.

Prerequisite(s): DN 351 or DN 352

**DN452 Jazz Technique IV-B**

Hours 3

Continued development of jazz dance technique at the advanced/pre-professional level. Special attention will be given to developing performance qualities.

Prerequisite(s): DN 351 or DN 352

**DNCA114 Dance Appreciation**

FA

Hours 3

An introduction to the art of dance focusing on cultural influences, functions of dance in society, styles, choreographic trends, and notable artists and dances.

Fine Arts

**DNCA240 Choreography I**

Hours 3

Basic exploration of the rhythmic and spatial elements in the development of movement phrases and choreographic dance studies. Dance Majors only or permission of instructor.

**DNCA265 Introduction to Anatomy and Kinesiology For Dance**

Hours 3

Lecture/studio course covering the basics of the musculoskeletal system and kinesiology with an emphasis on dance. Dance majors only.

**DNCA302 Special Topics in Dance**

Hours 1-3

This course will investigate the possibilities for synthesizing elements of dance technique and dance academics to facilitate success in the professional dance industry.

**DNCA320 Composition, Movement, and the Camera**

Hours 3

This is a composition course for the camera with an emphasis on capturing human movement. The class begins with instruction in basic camera and digital editing skills. In a series of studies for the camera that culminate in a final project, students develop a compositional vocabulary, taking into consideration, choreography, sound, and visual composition. Students' compositional understanding will be expanded by video-viewing, reading, and discussion. Students with an interest in dance, visual art, theatre, experimental filmmaking, and music are encouraged to enroll.

**DNCA324 Lighting and Sound for Dance**

Hours 3

This is a technical production course specifically for dance majors and covers the practical aspects of theatre technology of lighting and sound.

Prerequisite(s): DNCA 240

**DNCA330 Costumes for Dance I: Introduction to Design and Production Methods**

Hours 3

This course is designed to introduce students to the costume design and production processes for dance.

**DNCA350 Creative Processes in Dance**

Hours 1-3

This course explores creative processes in various dance styles. Students will research their chosen subject matter with a public presentation as the culmination of the class. Dance Majors or permission of the instructor only.

Prerequisite(s): DNCA240

**DNCA351 Creative Processes in Dance: Performance and Promotions**

Hours 1-3

This course explores creative processes and performance in various dance styles. Students will research their chosen subject matter with a public presentation as the culmination of the class. The class promotes unique staging and performance opportunities by allowing students to develop work to be presented off campus, with the possibility of presentation internationally. Students learn about creating press releases, an on-line presence, and video/photo promos for concert promotions. Classes will involve heavy faculty feedback throughout the semester as students develop work for production.

Prerequisite(s): DNCA 350 or permission of the instructor

**DNCA403 Approach Dance Instructn**

Hours 3

This course is a service-learning course developing techniques for teaching movement concepts. This course includes a practicum component teaching dance to elementary students in the public schools. Dance Majors or permission of the instructor.

Prerequisite(s): DNCA 265 or DN 265

**DNCA470 History Of Dance I**

W

Hours 3

The history of dance from pre-classic, romantic, classical and early modern ballet. Dance majors only. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**DNCA471 History of Dance II**

W

Hours 3

The history of dance with an emphasis on 20th century and contemporary dance styles. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Dance Majors only.

Writing

**EN101 English Composition**

FC

Hours 3

Introduction to rhetorical strategies, critical reading and thinking skills, composing processes, sentence-level conventions, and reflection skills needed to participate successfully in the University of Alabama discourse community. Intended for native speakers of English. Grades are reported as A, B, C, or NC (No Credit). A grade of C- or higher is required as a prerequisite for advancing to another English course at The University of Alabama. Offered each semester and in summer school. EN 101 does not apply as credit to the English major or minor.

Freshmen Composition

**EN102 English Composition**

FC

Hours 3

Continuation of students' practice in rhetorical strategies, critical reading and thinking skills, composing processes, sentence-level conventions, and reflection skills. The course also emphasizes university-level research and source usage techniques. Intended for native speakers of English. Grades are reported as A, B, C, or NC (No Credit). A grade of C- or higher is required as a prerequisite for advancing to another English course at The University of Alabama. Offered each semester and in summer school. EN 102 does not apply as credit to the English major or minor. Prerequisite(s): EN 101.

Prerequisite(s): EN 101

Freshmen Composition

**EN103 Advanced English Composition***FC, UH*

Hours 3

This is an accelerated freshman composition course that is open to students with minimum scores of 28 ACT Composite or 1350 SAT, or minimum ACT English scores of 30 or SAT verbal scores of 730. With the appropriate qualifying scores and the completion of EN 103 with a grade of C- or higher, placement credit is awarded for EN 101 and the general education requirement for freshman composition is completed. Covers rhetorical strategies, critical reading and thinking skills, composing processes, sentence-level conventions, reflection skills, as well as university-level research and source usage techniques. Course themes are determined by each instructor. Grades are reported as A, B, C, or NC (No Credit). A grade of C- is required as a prerequisite for advancing to another English course at The University of Alabama. EN 103 does not apply as credit to the English major or minor.

Prerequisite(s): 28 ACT composite or 1350 SAT OR ACT English score of 30 or SAT verbal score of 730

Freshmen Composition, University Honors

**EN104 English Composition BUI***FC, UH*

Hours 3

For students in Blount Scholars Program. Covers rhetorical strategies, critical reading and thinking skills, composing processes, sentence-level conventions, reflection skills, as well as university-level research and source usage techniques. Grades are reported as "A," "B," "C," or "NC" ("No Credit"). This course substitutes for either EN 103 Advanced Composition or EN 101 Freshman Composition I. Students who qualify for EN 103 (see EN 103 description above) are awarded an additional 3 hours of composition placement credit with a grade of "pass" upon successful completion of EN 104. Other students receive the same credit if they earn a grade of "A-" or higher. Students who earn a grade lower than "A-" are required to take three additional hours of freshman composition, generally EN 102. Students who have credit for EN 101 and EN 102 either from another institution or through AP or IB placement do not take EN 104. EN 104 does not apply as credit to the English major or minor.

Freshmen Composition, University Honors

**EN120 English Comp I Non-Native Spkr***FC*

Hours 3

Introduction to rhetorical strategies, critical reading and thinking skills, composing processes, sentence-level conventions, and reflection skills needed to participate successfully in the University of Alabama discourse community. Intended and required for international students who are non-native speakers of English. Exempted for transfer students who have earned a "C" or better grade in a face-to-face, university-level composition course at the 101 level (ESL courses do not qualify). International students who have graduated from a U.S. high school have the option to take either this course or EN 101. Grades are reported as A, B, C, or NC (No Credit). A grade of C- or higher is required as a prerequisite for advancing to another English course at The University of Alabama. Offered each semester.

Prerequisite(s): ELC 110 and ELC 111 with a minimum grade of C-; or ELI 116 and ELI 126 with a minimum grade of C-; or iBT TOEFL minimum sub-scores of 18 on both the Speaking section and the Writing section; or IELTS minimum sub-scores of 6.0 on both the Speaking section and the Writing section; or DET minimum score of 120; or PTE minimum score of 54 with a Writing minimum sub-score of 51 OR a Speaking minimum sub-score of 51.

Freshmen Composition

**EN121 English Comp II Non-Native Spk***FC*

Hours 3

Continuation of students' practice in rhetorical strategies, critical reading and thinking skills, composing processes, sentence-level conventions, and reflection skills. The course also emphasizes university-level research and source usage techniques. Intended and required for international students who are non-native speakers of English. Exempted for transfer students who have earned a "C" or better grade in a face-to-face, university-level composition course at the 102 level (ESL courses do not qualify). International students who have graduated from a U.S. high school have the option to take either this course or EN 102. Grades are reported as A, B, C, or NC (No Credit). A grade of C- or higher is required as a prerequisite for advancing to another English course at The University of Alabama. Offered each semester.

Prerequisite(s): EN 120

Freshmen Composition

**EN200 The Living Writer: Introduction to Creative Writing***FA*

Hours 3

Introduction to the craft of imaginative writing, the landscape of contemporary literature, and the writer as artist. Students will engage UA's literary arts culture and regularly attend readings and author events.

Prerequisite(s): EN 101 or EN 120

Prerequisite(s) with concurrency: EN 102 or EN 103 or EN 104 or EN 121

Fine Arts

**EN201 How English Works***HU*

Hours 3

This course will introduce students to the wide-ranging discipline of linguistics that incorporates aspects of both the humanities and the social sciences. Students will explore the elements from which languages are composed, examine differences across languages, and see how linguistic data and methods are brought to bear on real-world issues in the realms of psychology, literary studies, sociology, education, and the judicial system. Language will be presented as a constantly changing phenomenon that is embedded in culture and steeped in ideology.

Prerequisite(s): EN 101 and EN 102, or EN 103

Humanities

**EN205 English Literature I***HU, L*

Hours 3

Survey of English literature from the seventh through the eighteenth century, including works from the Middle Ages, Renaissance, Restoration, and Enlightenment.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature

**EN206 English Literature II***HU, L*

Hours 3

Survey of English literature from 1800 to the present, including, works from the Romantic, Victorian, and Modern eras.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature

**EN207 World Literature I***HU, L*

Hours 3

Survey of world literature from the Classical period to the Renaissance.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature

**EN208 World Literature II***HU, L*

Hours 3

Survey of world literature from the Enlightenment to the Modern period.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature

**EN209 American Literature***HU, L*

Hours 3

Survey of American literature from its beginnings to 1865, including, work by Poe, Thoreau, Emerson, Melville, and Whitman, among others.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature

**EN210 American Literature II***HU, L*

Hours 3

Survey of American literature from 1865 to the present, including, work by Dickinson, Twain, Hemingway, Faulkner, and Morrison.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature

**EN215 Honors English Literature I***HU, L, UH*

Hours 3

Honors section of EN 205.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature, University Honors

**EN216 Honors English Literature II***HU, L, UH*

Hours 3

Honors section of EN 206.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature, University Honors

**EN217 Honors World Literature I***HU, L, UH*

Hours 3

Honors Survey of world literature from the Classical period to the Renaissance.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature, University Honors

**EN218 Honors World Literature II***HU, L, UH*

Hours 3

Honors Survey of world literature from the Enlightenment to the Modern period.

Prerequisite(s): (EN 101 and (EN 102; or EN 103; or EN 104)) or (EN 120 and EN 121)

Humanities, Literature, University Honors

**EN219 Honors American Literature**

*HU, L, UH*

Hours 3

Honors section of EN 209.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature, University Honors

**EN220 Honors American Literature II**

*HU, L, UH*

Hours 3

Honors section of EN 210.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature, University Honors

**EN249 African American Literature I**

*HU, L*

Hours 3

Survey of African American literature from its earliest expressions to 1935. The course material includes spirituals, slave narratives, poetry, drama, autobiography, fiction, and nonfiction.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature

**EN250 African American Literature II**

*HU, L*

Hours 3

Survey of African American literature from 1935 to the present. The course material includes poetry, drama, autobiography, fiction, and nonfiction.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature

**EN251 Honors African American Literature I**

*HU, L, UH*

Hours 3

Honors survey of African American literature from its earliest expressions to 1935. The course material includes spirituals, slave narratives, poetry, drama, autobiography, fiction, and nonfiction.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature, University Honors

**EN252 Honors African American Literature II**

*HU, L, UH*

Hours 3

Honors survey of African American literature from 1935 to the present. The course material includes poetry, drama, autobiography, fiction, and nonfiction.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Humanities, Literature, University Honors

**EN300 Intro To English Studies**

Hours 3

An introduction for English majors to the methods employed in the discipline of English. Students will be exposed to the fundamental issues of critical reading, interpretation, and writing, especially to the use of critical methods in the study of primary texts. Readings will include a selection of texts in the traditional categories of poetry, drama, and prose, as well as the genre of the critical essay. There may also be investigations into other genres and media.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN301 Fiction Writing**

Hours 3

Study of basic principles of writing fiction. Reading and assigned writing experiments in a broad range of forms.

Prerequisite(s): 6 hours of 200-level EN courses

**EN303 Poetry Writing**

Hours 3

Study of basic principles of writing poetry. Reading and assigned writing experiments in a broad range of poetic forms.

Prerequisite(s): 6 hours of 200-level EN courses

**EN305 Creative Nonfiction Writing**

Hours 3

Study of the basic principles of writing creative nonfiction. Reading and assigned writing experiments in a broad range of forms of the genre.

Prerequisite(s): 6 hours of 200-level EN courses

**EN307 Special Topics in Applied Creative Writing**

Hours 3

Study of various practical applications for creative-writing-related skills and techniques, including arts programming, teaching, and literary publishing.

Prerequisite(s): 6 hours of 200-level EN courses

**EN308 Forms Of Creative Writing**

Hours 3

Special topics in Creative Writing. Focus may be on poetry, fiction, nonfiction or a combination. Students produce imaginative writing and read related texts. May be repeated for a maximum of 6 hours.

Prerequisite(s): EN 301 or EN 303 or EN 305



**EN309 Advanced Expository Writing**

W

Hours 3

Study and practice in methods of exposition, explanation and explication, logic and persuasion, definition and analogy, analysis and evaluation.

Enrollment is limited to 15. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

Writing

**EN310 Special Topics Writing**

Hours 3

Topics vary from semester to semester; examples are legal writing, writing about the social sciences and reading and writing in cyberspace. May be repeated for a maximum of 6 hours.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN311 Special Topics In Literature**

Hours 3

Topics vary from semester to semester and may include courses offered by other departments. May be repeated for a maximum of 9 hours.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN313 Writing Across Media**

Hours 3

Advanced writing course exploring composition with images, sound, video, and other media while considering theoretical perspectives on rhetorical concepts such as authorship, audience, process, revision, and design.

Prerequisite(s): (EN 101 AND 102) OR EN 103

**EN317 Writing Center Practicum**

Hours 3

An introduction to the history, theory and practice of Writing Centers. Students completing the course can apply for positions on the Writing Center staff.

Prerequisite(s): None.

**EN319 Technical Writing**

W

Hours 3

Focuses on principles and practices of technical writing, including audience analysis, organization and planning, information design and style, usability testing, and collaborative writing. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121

Writing

**EN320 Intro To Linguistics**

Hours 3

Introduction to the study of language, including subjects such as language acquisition, variation, and origins. The system of sounds, syntax, and meaning are illustrated in English and other languages. Prerequisite for EN 423, EN 424, EN 425, EN 466.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN321 Linguis Approach English Gramr**

Hours 3

A study of English grammar integrating principles from linguistic theory with structural approaches to grammar. The course includes a focus on the expectations of grammatical usage in different contexts and an understanding of how to apply this knowledge in a pedagogical setting. This course is a prerequisite for EN 423, EN 424, EN 425, EN 466.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN329 Directed Studies**

Hours 1-3

Prerequisite: Enrollment only by previous arrangement with a specific instructor and with the permission of the director of undergraduate English studies. A reading list and a draft syllabus are required. Please see the departmental website for more information. EN 329 may be repeated for a maximum of 6 hours.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN330 Chaucer And Medieval Literatur**

Hours 3

Examines works of the Old and Middle English Periods, the formative years of British literature. Works from pre-conquest England may include Beowulf, Bede's History of the English Church, and poems from the Exeter and Vercelli manuscripts. The major works from the fourteenth and fifteenth centuries may include Sir Gawain and the Green Knight, William Langland's Piers Plowman, John Gower's Confessio Amantis, and Chaucer's Troilus and Criseyde and the Canterbury Tales.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN332 Sixteenth Century Literature**

Hours 3

A cross-genre survey of the literature of the Elizabethan period. Authors may include Sir Thomas More, Sir Thomas Wyatt, Sir Philip Sidney, Sir Walter Raleigh, Edmund Spenser, Aemilia Lanyer, Christopher Marlowe, and William Shakespeare.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN333 Shakespeare**

Hours 3

An introduction to Shakespeare's plays and poems. Elizabethan customs, politics, history, and philosophies are examined in relation to his works.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN334 Seventeenth Century Literature**

Hours 3

A cross-genre survey of literature in English from 1603 to 1660. Authors may include John Donne, Ben Jonson, Francis Bacon, John Webster, Lady Mary Wroth, William Bradford, Anne Bradstreet, and Andrew Marvell.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN335 Milton**

Hours 3

An introduction to Milton's English poetry along with the history, politics, aesthetics, philosophy, and theology of seventeenth-century England. Typically devotes approximately half the semester to a close reading of *Paradise Lost*.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN340 American Literature To 1900**

Hours 3

A cross-genre survey of American literature from its beginnings to 1900. Authors may include Mary Rowlandson, Cotton Mather, Phillis Wheatley, Nathaniel Hawthorne, Frederick Douglass, Henry James, and Mark Twain.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN343 British Fiction To 1900**

Hours 3

A survey of developments in British fiction from its beginnings to 1900. Authors may include Aphra Behn, Daniel Defoe, Samuel Richardson, Henry Fielding, Jane Austen, Charles Dickens, and George Eliot.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN344 Major Authors 1660-1900**

Hours 3

Limited to a maximum of three authors. Attention to the national literatures of Britain and America, and to different genres of prose, drama, and poetry, will vary from semester to semester. Authors may include John Milton, Alexander Pope, Jane Austen, Ralph Waldo Emerson, Herman Melville, Frederick Douglass, and Emily Dickinson.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN347 English Lit During Enlightenment**

Hours 3

A cross-genre survey of English literature during the period 1660-1800. Authors may include John Locke, John Bunyan, Mary Astell, Jonathan Swift, Lady Mary Wortley Montagu, Samuel Johnson, Hester Thrale, and James Boswell.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN348 Romantic Literature**

Hours 3

A cross-genre survey of British Romantic writers such as William Blake, Jane Austen, William Wordsworth, Samuel Taylor Coleridge, Lord Byron, John Keats, Percy Bysshe Shelley, and Mary Shelley.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN349 Victorian Literature**

Hours 3

A survey of the genres, authors, and issues in British literature, 1832-1900. Authors may include Thomas Carlyle, Elizabeth Barrett Browning, Robert Browning, Alfred, Lord Tennyson, Matthew Arnold, Dante Gabriel Rossetti, Christina Rossetti, and Oscar Wilde.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN350 Topics in African American Lit**

Hours 3

A cross-genre survey of African American literature, historical events, and critical movements. Authors may include Frederick Douglass, Harriet Jacobs, Richard Wright, Zora Neale Hurston, Nella Larsen, Langston Hughes, and Toni Morrison.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN361 Top American Lit 1945-Present**

Hours 3

A cross-genre survey of major literary figures, critical movements, historical events, and significant texts since the Second World War in America. Authors may include Langston Hughes, Arthur Miller, James Baldwin, Norman Mailer, Toni Morrison, Sam Shepherd, Adrienne Rich, and John Ashbery.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN362 Topics British Lit 1900-1945**

Hours 3

A cross-genre survey of major literary figures, critical movements, historical events, and significant texts within the first half of the twentieth century in Britain. Authors may include Joseph Conrad, George Bernard Shaw, W. B. Yeats, Virginia Woolf, James Joyce, Katherine Mansfield, and T. S. Eliot.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN363 Top British Lit 1945-Present**

Hours 3

A cross-genre survey of major literary figures, critical movements, historical events, and significant texts since the Second World War in England. Authors may include Samuel Beckett, W. H. Auden, Doris Lessing, Seamus Heaney, Harold Pinter, and Jeanette Winterson.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN364 Modern Drama**

Hours 3

A survey of the major American, British, European and African plays from the 19th and 20th centuries. Authors may include Eugene O'Neill, Tennessee Williams, Ntozake Shange, Oscar Wilde, Harold Pinter, Tom Stoppard, August Strindberg, Anton Chekhov, Wole Soyinka and Athol Fugard.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN365 Modern American Fiction**

Hours 3

A survey of American fiction (novels and short stories) written in the 20th century. Authors may include F. Scott Fitzgerald, Willa Cather, William Faulkner, Toni Morrison, N. Scott Momaday and Leslie Marmon Silko.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN366 Twentieth Century Poetry**

Hours 3

A survey of major authors and trends in modern poetry in America, Britain, and the larger Anglophone world, as poetry in English became an international phenomenon. Attention will be paid to modernist and post-modernist poetry movements, American regionalisms, war poetry, and the poetry of neocolonial experiences.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN367 Postcolonial and Global Anglophone Literature**

Hours 3

A cross-genre survey of the literature of Africa, Asia, and the Caribbean. Authors may include Olaudah Equiano, Rabindranath Tagore, Chinua Achebe, Tsitsi Dangarembga, Chimamanda Ngozi Adichie, Ngugi wa Thiong'o, Aminatta Forna, Derek Walcott, V.S. Naipaul, Amitav Ghosh, J.M. Coetzee, Bessie Head, Anita Desai, and Arundhati Roy.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN370 Comedy**

Hours 3

A cross-genre survey of comic literature that may begin with the classical ideas of comedy and proceed through the present. This course, like comedy itself, will focus on individuals as they come to accept the idea that life can truly be a feast (Greek, *Comos*). This course considers changing conceptions of comedy whether in fiction, poetry, or drama.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN371 Tragedy**

Hours 3

A cross-genre survey of tragic literature that may begin with the classical tragedians and proceed through the present. This course, like tragedy itself, will focus on the individual confronting the larger forces of society, god, or fate. This course considers changing conceptions of the tragic whether in fiction, poetry, or drama.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN373 Women In Literature**

Hours 3

A survey of British and American literature written by and/or about women. Authors may include a cross-genre range from Anne Bradstreet and Fanny Burney to Toni Morrison and Louise Erdrich.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN396 Research and Writing Seminar**

Hours 3

This course teaches research skills and methods and research-based writing in literary studies. This course is required for any student who wishes be eligible for departmental honors through subsequent enrollment in EN 499. The course is, however, open to all students who meet the pre-requisites and will be useful for those wishing to develop their skills in research-based writing. The course covers locating, evaluating, and integrating research materials into literary critical writing, as well as the entire process of writing a research-based paper. A grade of B or higher in this course is required for students who wish to apply for admission into EN 499.

Prerequisite(s): 12 hours in English, including 6 hours at the 200-level.

**EN398 Creative Writing Intensive Seminar**

Hours 3

Required of students wishing to write an English Honors thesis in Creative Writing. This course is a required for students wishing to write an English Honors creative writing thesis in a subsequent semester. Students should enroll in this course no later than spring of their junior year. Admission to the course is competitive: students should apply to the Undergraduate Creative Writing Program director prior to pre-registration. Additional seats may be open by application to students who have completed at least two creative writing courses. Students will study sustained creative projects such as poetry chapbooks, novellas, story or essay collections, and other long-form works, and plan and begin their own substantial creative writing projects. The course will also include professionalization in the field of creative writing, covering topics such as how to approach publishing and editing, how to submit creative writing for publication, how to apply to graduate school, how to prepare for careers in writing, and how to identify and connect to resources in the field. During the course, students will develop a proposal for their EN 498 project that includes a reading list, project description, and process description.

Prerequisite(s): 2 courses in creative writing from EN 200, EN 301, EN 303, EN 305, EN 307, EN 308.

**EN399 Honors Seminar in English***UH*

Hours 3

Covers selected topics in English that vary from year to year. Topics are most likely to be thematic and to cut across conventional divisions of literary period and literary form. Required for departmental honors.

Prerequisite(s): EN 215 or EN 216 or EN 219 or EN 220

University Honors

**EN400 Senior Seminar**

Hours 3

Senior Seminar.

Prerequisite(s): 18 hours in English, including 6 hours at the 200-level, and 6 hours at the 300-level.

**EN408 Advanced Creative Writing**

Hours 3

Special topics in Creative Writing. Focus may be on poetry, fiction, nonfiction or a combination. Students produce imaginative writing and read related texts. May be repeated for a maximum of 9 hours.

Prerequisite(s): Any two of the following: EN 200 or EN 301 or EN 303 or EN 305 or EN 308.

**EN411 Adv Stdy Comptv Multi-Cutl Lit**

W

Hours 3

Designed for advanced English majors, a special topics course that focuses on issues involving comparative literatures and/or cultural studies. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. EN 411 may be repeated for a maximum of 9 hours.

Prerequisite(s): 18 hours in English, including 6 hours at the 200-level, and 6 hours at the 300-level.

Writing

**EN422 Adv Studies Americ Literature**

W

Hours 3

Designed for advanced English majors, a special topics course that focuses on issues in American literature. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. EN 422 may be repeated for a maximum of 9 hours.

Prerequisite(s): 18 hours in English, including 6 hours at the 200-level, and 6 hours at the 300-level.

Writing

**EN423 History of the English Language**

Hours 3

An introduction to the external history of the English language along with the study of the accompanying internal changes in structure.

Prerequisite(s): EN 320 OR EN 321 OR ANT 210 OR ANT 401 OR ANT 450 OR FR 361 OR IT 361 OR SP 361

**EN424 Modern English Grammar**

Hours 3

An intensive investigation of the structures in the English language, including phonology, morphology, syntax, and semantics. A desirable prerequisite for this course is EN 320 or EN 321.

Prerequisite(s): EN 320 OR EN 321 OR ANT 210 OR ANT 401 OR ANT 450 OR FR 361 OR IT 361 OR SP 361

**EN425 Variation in American English**

Hours 3

The study of the experience of the English language in America with particular emphasis on its development and dialects.

Prerequisite(s): EN 320 OR EN 321 OR ANT 210 OR ANT 401 OR ANT 450 OR FR 361 OR IT 361 OR SP 361

**EN429 Directed Readings**

Hours 3

Prerequisite: Enrollment only by previous arrangement with a specific instructor and with the permission of the director of undergraduate English studies. En 429 may be repeated for a maximum of 6 hours.

Prerequisite(s): 18 hours in English, including 6 hours at the 200-level, and 6 hours at the 300-level.

**EN430 English Internship**

Hours 3-6

An on- or off-campus training position in which students use the skills they have gained as English majors and enhance their employment opportunities after graduation. Interns work approximately 10 hours a week, holding responsible positions with, among others, Alabama Heritage, Alabama Alumni Magazine, and the Tuscaloosa Public Defender's Office. Apply to the director of undergraduate studies in the Department of English. Please see the departmental website for the application form and further details. May be repeated for a maximum of 6 hours.

Prerequisite(s): 18 hours in English, including 6 hours at the 200-level, and 6 hours at the 300-level.

**EN432 Composition-Rhetoric: Approaches and Methods**

W

Hours 3

Provides an overview of the field of composition studies: teaching writing, history of the discipline, and discussion of professional issues in rhetoric and composition.

Prerequisite(s): EN 101 and EN 102; or EN 103; or EN 104; or EN 120 and EN 121 with a grade of C- or better

Writing

**EN433 Advanced Studies British Lit**

W

Hours 3

Designed for advanced English majors, a special topics course that focuses on issues in British literature. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. EN 433 can be repeated for a maximum of 9 hours.

Prerequisite(s): 18 hours in English, including 6 hours at the 200-level, and 6 hours at the 300-level.

Writing

**EN444 Adv Stdy Literary Crit/Theory**

W

Hours 3

Designed for advanced English majors, a special topics course that focuses on issues involving literary criticism and critical theory. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. This course may be repeated for a maximum of 9 hours.

Prerequisite(s): 18 hours in English, including 6 hours at the 200-level, and 6 hours at the 300-level.

Writing

**EN455 Advanced Studies In Writing***W*

Hours 3

Designed for advanced English majors, a special topics course that focuses on the process of writing. The forms this writing may take include, but are not limited to, film, creative non-fiction, autobiography, and local color. May be repeated a maximum of 9 hours. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**EN466 Advanced Studies In Linguistics***W*

Hours 3

Designed for English majors, a special topics course that focuses on issues in linguistics. A frequent topic is language and culture. This course may be repeated for a maximum of 9 hours. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): EN 320 OR EN 321 OR ANT 210 OR ANT 401 OR ANT 450 OR FR 361 OR IT 361 OR SP 361

Writing

**EN477 Adv Studies Literary Genres***W*

Hours 3

Designed for advanced English majors, a special topics course that focuses on issues in genre criticism. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. This course may be repeated for a maximum of 9 hours.

Prerequisite(s): 18 hours in English, including 6 hours at the 200-level, and 6 hours at the 300-level.

Writing

**EN488 Adv Study African American Lit***W*

Hours 3

Designed for the advanced English major, a special topics course that focuses on issues in African American literature. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): 18 hours in English, including 6 hours at the 200-level, and 6 hours at the 300-level.

Writing

**EN498 Senior Thesis: Creative***UH*

Hours 3

The Creative Writing Honors Thesis is an individualized class that culminates in a complete, long-form piece of creative writing such as a poetry chapbook, novella, essay collection, short story collection, or extended creative non-fiction piece of publishable quality, approximately 30-60 pages. A student who completes this course with a grade of A or A- and who meets GPA requirements will be awarded Departmental Honors with a creative emphasis. Each student enrolled will work individually with a faculty mentor. Students must submit a proposal to the Director of Undergraduate Creative Writing by a designated date and have that proposal be approved by the Undergraduate Creative Writing committee.

Prerequisite(s): Grade of B or higher in EN 398 and approved research proposal

University Honors

**EN499 Senior Thesis***UH, W*

Hours 3

The Senior Thesis is an individualized, directed readings class that culminates in a thesis. The thesis is a research-based work making an original analytical claim in the fields of literary studies, linguistics, or rhetoric and composition. Students enrolled will work individually with a faculty mentor. A student who completes this course with a grade of A or A- and who meets GPA requirements will be awarded Departmental Honors. To enroll students must submit a research proposal to the Departmental Honors Coordinator before the end of the previous semester, and that proposal must be approved by the Honors Committee. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Grade of B or higher in EN 396 and approved research proposal

University Honors, Writing

**FA200 Introductn To Fine Arts***FA*

Hours 3

An introduction to the fine arts, drawing especially on campus and community cultural events. This course is usually open to incoming freshmen.

Fine Arts

**FR101 Elementary French I***FL, HU*

Hours 4

In this course, the first of a two-semester program, students will acquire essential fundamental French structures and vocabulary and will learn their appropriate socio-linguistic application in both spoken and written communication. Through classroom discussions, a diverse set of media resources (films, cultural videos, literary texts, songs, artwork), and various projects students will explore the value systems of contemporary French and French-speaking cultures and societies. This work will help students develop a critical vocabulary for describing and interpreting the aesthetic qualities of various art forms (including paintings by Edgar Degas, music by Jacques Brel, and the spectacle of Cirque du Soleil). This course develops basic communicative competence as well as intercultural competence and is taught in French.

Foreign Language, Humanities

**FR102 Elementary French II***FL, HU*

Hours 4

In this course, the second of a two-semester French program, students will continue to advance their knowledge of essential fundamental French structures and vocabulary through learning their appropriate socio-linguistic application in both spoken and written communication. Through classroom discussions, use of a diverse set of media resources (films, cultural videos, readings, literary texts, songs, artwork) and various projects students will further explore multiple perspectives and develop deeper knowledge of the value systems of contemporary French and French-speaking cultures and societies. Students will also expand their critical vocabulary for describing and interpreting the aesthetic qualities of various art forms, branching into literary analysis (including poetry by Jacques Prévert; music by Tiken Jah Fakoly; and narrative texts by Jean-Jacques Sempé, René Goscinny, Eugène Ionesco, and Magali Morsi). This course expands basic communication skills as well as intercultural competence and is taught in French.

Prerequisite(s): Minimum Grade of C- or higher in FR 101 at UA; or equivalent from another institution; or two years of high school French.

Foreign Language, Humanities

**FR201 Intermediate French***FL, HU*

Hours 3

The first course of the two-semester program of intermediate French at UA. In this course, you will consolidate and expand your listening comprehension, speaking, reading and writing skills in French. You will broaden your cross-cultural understanding as you read various literary and journalistic texts, watch short films, and listen to songs or other multimedia broadcasts.

Prerequisite(s): A grade of C- or higher in FR 102; or the equivalent from another institution; or 3 + years of high school French; or a 3 on the AP French exam.

Foreign Language, Humanities

**FR202 Intermediate French***FL, HU*

Hours 3

Continuation of FR 201. This course reviews and refines linguistics knowledge to prepare students for advanced courses through research projects and creative writing activities.

Prerequisite(s): A grade of C- or higher in FR 201; or the equivalent from another institution; or 4+ years of French in middle and high school; or a 4 on the AP French exam.

Foreign Language, Humanities

**FR205 Living In French House**

Hours 1-2

Students live in the French House with a native (or near native) speaker and agree to dedicate two hours per week to full language immersion with a view to increasing oral proficiency.

Prerequisite(s): Completion of one of the following: FR 201 (or FR 211), FR 202 (or FR 212), FR 206, FR 321, FR 322, FR 323, FR 324, FR 328, or FR 329

**FR206 Living In French House**

Hours 1-2

Students live in the French House with a native (or near native) speaker and agree to dedicate two hours per week to full language immersion with a view to increasing oral proficiency.

Prerequisite(s): Completion of one of the following: FR 201 (or FR 211), FR 202 (or FR 212), FR 205, FR 321, FR 322, FR 323, FR 324, FR 328, or FR 329

**FR211 Honors Intermediate French I***HU, UH*

Hours 3

In this course students will expand their listening comprehension, speaking, reading and writing skills in French. They will broaden their cross-cultural understanding through reading various literary and journalistic texts, watching short films, and listening to songs or other multimedia broadcasts. Students will refine their grammatical and vocabulary knowledge within a culturally rich context.

Prerequisite(s): A grade of C- or higher in FR 102 or the equivalent from another institution; or 3 + years of high school French; or a 3 on the AP French exam.

Humanities, University Honors

**FR212 Honors Intermediate French II***HU, UH*

Hours 3

Students will continue to refine their listening comprehension, speaking, reading and writing skills in French. Through various projects, creative writing activities, extensive grammar review, and class discussions based on various literary and journalistic texts, short films, advertisements, and multimedia broadcasts, students will expand their linguistic and cultural competences.

Prerequisite(s): A grade of C- or higher in FR 201 or FR 211 or the equivalent from another institution, or 4+ years of high school French; or a 4 on the AP French exam.

Humanities, University Honors

**FR310 Global Citizenship through Service Learning in French**

FL

Hours 3

This course is designed to expand upon the existing volunteer program FLEX (French Language Exploration) which currently teaches French and Francophone culture at University Place Elementary school. Students enrolled in this course will engage in a hands-on service-learning project at University Place Elementary school lessons with an emphasis on understanding different Francophone cultures and understanding what it means to be a global citizen. This experiential learning course will develop students' French language skills, leadership skills, along with interpersonal and presentational communication skills while gaining real-world experience using the French language. Through course readings, discussions, development of cultural and language teaching materials, service at the local elementary school, and written reflection on the experience students will gain a deeper understanding of the complicated connection between language, culture, identity, and global citizenship.

Prerequisite(s): FR 201 and FR 202

Foreign Language

**FR321 Writing and Imagination**

W

Hours 3

Introduction to literary and cultural analysis through selected works of French cultural expression. Emphasis on expanding vocabulary and improving grammar in order to develop speaking, reading, and writing proficiency beyond the second year. In this third-year French-language course, students focus on improving reading, writing, listening and speaking skills. Students develop basic knowledge of, strategies and techniques for reading French for comprehension and analysis without the massive and systematic use of a dictionary. With that purpose in mind, we read accessible and engaging short stories and online or print articles introduced and followed by analytical and creative writing activities that integrate the techniques of description, characterization, narration, and dialogue effectively. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Class instruction, interactions and participation will be entirely in French.

Prerequisite(s): A grade of C- or higher in FR 202 or FR 212. Study abroad equivalent: FR 328.

Writing

**FR322 Advanced French Grammar**

Hours 3

Review of French grammar with emphasis on written exercises. Study abroad equivalent: FR 329. Usually offered in the fall semester.

Prerequisite(s): FR 202 or FR 212

**FR323 Writing and Analysis**

W

Hours 3

In this dynamic and intensive writing course, students develop and perfect their conversation and writing skills in French as they engaged their perspective and activate their creativity through assignments based on visual, audio, and print media. In this course, writing assignments will be progressive (from 1-2 pages to 4 pages or more), promote peer-editing, offer ample opportunities for rewrite, and emphasize fluidity, coherency in argument as well as grammatical accuracy in French. Because the course carries a W-designation, students fulfill a University of Alabama writing requirement through extensive writing practice that also calls upon and develops critical thinking skills. A passing grade in a W designated course is contingent upon students writing coherent, logical, carefully edited prose in a minimum of two papers, one of which must be completed, graded, and returned by mid-semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): A grade of C- or higher in FR 202 or FR 212

Writing

**FR324 French Culture and Language for Business Development**

Hours 3

This course uses a semester-long experiential approach designed to engage students in performing real-life and business-related tasks in French. In the course, students progress from performing internship-search related activities to working as an intern for a sustainable travel organization. Analysis of work-related protocols, written and oral communications, CVs, job interviews, travel and professional documentation, political and economical challenges in French-speaking countries provide opportunities to develop interpersonal, interpretive and presentational skills as well as engage a critical reflection on local, political, historical and economic factors that affect tourism in French-speaking countries.

Prerequisite(s): FR 321 or FR 322 or FR 323

**FR325 Cultures and Conversations**

FL

Hours 3

Using authentic multimedia documents (extracts from newspaper, newscasts, films and radio shows, polls, infographics, advertising, short films, social media posts, press photos), this course explores culturally situated perspectives as well as concepts such as freedom, equality, solidarity, secularism, and lifestyle using the thematic backdrop of food and fashion.

Prerequisite(s): French 202; or equivalent from another institution; or a 5 on the AP French exam

Prerequisite(s) with concurrency: FR 202

Foreign Language

**FR326 Business French**

HU

Hours 3

This course concentrates on the mastery of business vocabulary useful for those working in international corporations and various economic institutions in France and throughout the French-speaking world. This vocabulary will be learned and practiced through a series of activities encountered by those who live and work in France and Francophone countries. Students will also become aware of the cultural contexts in which such vocabulary is used. Students will become familiar with actual forms and manuals commonly found in the French-speaking business world (taxes, import-export forms, insurance, banking, etc.). Subjects of study include telecommunications, banking, information technology, sales, advertising, the stock market and investments, sales and revenue taxes, and the organization of companies. At the end of the course, students will have the option to sit for the exam leading to a French diploma certified by the Chambre de Commerce et d'Industrie Paris-Ile-de-France, a diploma which is recognized worldwide.

Prerequisite(s): Course prerequisite is French 202 or equivalent

Humanities

**FR327 French for International Relations**

Hours 3

This course is a skills-based introduction to the use of French for international relations. It is designed to prepare students to acquire the B1 level language diploma in French for International Relations offered by the Chamber of Commerce and Industry (CCI) of Paris Ile-de-France. Beyond the acquisition of this diploma, the skills learned in this course (such as presentation, synthesis of information, and negotiation) will position them to succeed in careers in international relations, whether in diplomacy, international business, or non-governmental organizations.

Prerequisite(s): FR 321 or FR 323

**FR328 French Conversation-Abroad**

Hours 3

Contemporary French society and culture. Direct on-site cultural exposure. Analysis of recent cultural media (e.g., journalism, literature, song, film) in context. Emphasis is on written exposition, oral proficiency, grammar review, and critical appraisal in relation to an immersion experience in French culture. Offered in France. For purposes of satisfying the requirements of the French major or minor, this course can be used in lieu of either FR 321 or FR 323.

**FR329 Adv Fr Grammar-Abroad**

Hours 3

Study abroad equivalent of FR 322: Advanced French Grammar.

Prerequisite(s): FR 201

**FR330 French in the News**

Hours 3

This course will be dedicated to discussions of current news in French-speaking countries and the study of principles of journalistic reporting. Students will examine the concepts of freedom of speech and freedom of the press within the context of the French-speaking world. Students will consider how the 5Ws (Who, What, Where, When, Why?) are addressed in television and radio broadcasts, local and national news articles from print and online news sources and how journalists use tenses to express facts, hypotheses, and opinions. Various creative projects, in-class oral presentation, and in-depth analyzes of how journalists use sources to create news will enable students to put principles into practice as the student develops their ability to narrate and describe events.

Prerequisite(s): French 202; or a 5 on the AP French exam.

**FR331 French Civilization**

Hours 3

This course offers an introduction to visual and material culture in the French-speaking world and how it has evolved from the Middle Ages to today and how artistic production was impacted by political and social structures of its era. We will explore developments in architecture, fine art, decorative arts, photography and film, and examine how the acquisition of colonial territories affected the production of art in France and around the world. Students will have the opportunity to develop their own interests in museums around the world and to demonstrate what they have learned creatively.

Prerequisite(s): FR 321 or FR 323

**FR339 French Civilization-Abroad**

Hours 3

Offered abroad. May be used in lieu of FR 331 to satisfy the requirements of the French major. In-context total immersion will be conducive to a better understanding of French culture, history, and civilization. Many visits to museums, historic sites, and artistic performances will allow for hands-on experiences. This knowledge will be reinforced in classes held abroad to improve language and cultural skills.

Prerequisite(s): FR 201

**FR341 Survey Fr Literature I**

L, W

Hours 3

French literature from its origins through the 18th century. Readings from major authors, lectures, and reports. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered fall semester.

Prerequisite(s): FR 321 or FR 322 or FR 323

Literature, Writing



**FR351 Survey Fr Literature II***L, W*

Hours 3

Survey of French Literature II covers the post-revolutionary through the modern periods. Key authors, from Chateaubriand to Mallarmé (19th century), from Proust to Anne Hébert (20th century), and key literary movements, from pre-romanticism to the new novel, are introduced with a view to exposing students to modern French literary history. A selection of works of various genres (poetry, short story, novel, play) are read, analyzed, and discussed in relation to past and present. Writing proficiency is required for a passing grade in the course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade no matter how well the student performs in other areas of the course. This means written assignments (all in French) require coherent, logical, and carefully edited prose, and students are expected to demonstrate higher-level critical thinking skills, including analysis and synthesis. Class instruction and participation will be in French.

Prerequisite(s): FR 321 OR FR 322 OR FR 323

Literature, Writing

**FR352 Survey of Global French Literature***L, W*

Hours 3

Explores important works of literature of French-speaking regions around the world including the Caribbean, Africa, and Canada. Using a trans-historical approach, this course includes texts from the major literary movements of the late- and post-colonial periods, such as Négritude, Pan-Africanism, Créolité, and Antillanité. Works of various genres (nonfiction, fiction, poetry, theater, and film) are analyzed in relation both to literary and geopolitical history. This course is conducted exclusively in French. As a W-designated class, writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): FR 321 or FR 323

Literature, Writing

**FR361 Intro Romance Linguistic (Same as IT 361 and SP 361)**

Hours 3

Introduction to linguistic science and its use in describing language in general and the Romance languages in particular.

**FR380 Special Topics**

Hours 1-3

Directed reading, research, or French Immersion Retreat. Also offered within the curriculum for the faculty-led UA in France summer program. Topic to be determined in consultation with the instructor or program director.

Prerequisite(s): With a C- or better FR 202 or FR 212

**FR410 French Canadian Culture & Literature**

Hours 3

In this fourth-year French-language course, students will be introduced to the history and culture of various French Canadian regions. Students will learn about Quebec, Franco-Ontario, Franco-Manitoba, and Acadia through exposure to literature, poetry, film, music, popular media, cultural artifacts and more. Students will develop vocabulary skills with regional terminology, critical analysis techniques applied to fictional and non-fictional works, and an understanding of the socio-political and cultural context of French Canadian communities. Students will also improve their knowledge of strategies and techniques for French comprehension and expression both at the written and oral levels.

Prerequisite(s): FR 321, FR 322, or FR 323

**FR421 Pronunciation & Phonetics**

Hours 3

Introduction to phonetic theory and corrective phonetics through auditory discrimination exercises and contrastive analysis; emphasis on mastery of oral skills. Offered each semester.

Prerequisite(s): FR 321 or FR 322 or FR 323

**FR424 Globalization, Marketing and Communication***FL, HU*

Hours 3

This course is articulated around a semester-long experiential simulation designed to connect you with current real-world marketing and digital practices in French. With a partner, you will develop a website to launch a fictitious product or service on the French market. Throughout the semester students will explore brand identities, characteristics of French consumers, marketing strategies and advertising practices. Students will reflect on issues of global versus local markets through analysis of written, audio, and video communications, advertising, and marketing material, navigation of French company websites, and study of French corporate businesses and cultures.

Foreign Language, Humanities

**FR431 Contemp French Civiliztn**

Hours 3

Exploration of the political, technological, and cultural movements of post-revolutionary France from 1789 to the present through the evolution of its democratic institutions. The first half of the semester will explore the history of democratic movements and institutions in France from the Revolution until the second World War; the second half of the semester will focus on issues facing contemporary France, including decolonization, the rise of the European Union, and the current migrant crisis.

Prerequisite(s): FR 331 or Instructor Permission

**FR441 Page & Stage***FL, HU, L*

Hours 3

Focuses on theater. Analysis and interpretation of theatrical texts with emphasis on student research and presentations, including vocal expression and physical interpretation.

Prerequisite(s): FR 321, FR 322, or FR 323

Foreign Language, Humanities, Literature

**FR461 French Linguistics**

Hours 3

Linguistic theory applied in the analysis and description of French phonological, morphological, syntactic, and semantic structures. Offered alternate years.

Prerequisite(s): FR 321 or FR 322 or FR 323

**FR470 Undergrad Sem In French**

Hours 3

Intensive examination of a selected topic, with emphasis on student research and presentations. A representative sample of topics would include: Francophone Africa, The 19-Century French Novel, French-English Translation, and Poetry of the French Renaissance. May be repeated for a maximum of 12 hours.

Prerequisite(s): FR 341 OR FR 351 OR FR 331 OR FR 431 OR FR 321 OR FR 322 OR FR 323

**FR477 French Cinema**

FA, FL

Hours 3

Critical study of seminal motion pictures produced in French fostering an appreciation of cinema as art. Emphasis on student research and presentations. Film screenings are a necessary part of this course.

Prerequisite(s): Prerequisites: FR 321 or FR 322 or FR 323 or FR 328

Fine Arts, Foreign Language

**FR478 Writing Immigration**

Hours 3

This course is a seminar for undergraduate students in French that focuses on writings on immigration in the context of all movement of immigrants in the French-speaking world, not just the French metropole and its immigrant neighborhoods. Writings cover a range of experiences and social classes, from an elite class of immigrants to clandestine immigration. Interdisciplinary critical theory is an important tool in literary analysis for this course.

**FR480 Special Topics**

Hours 3

Directed reading or research related to French and Francophone language, literature and culture. May be repeated for a maximum of 12 hours.

Prerequisite(s): FR 341 OR FR 351 OR FR 331 OR FR 431 OR FR 321 OR FR 322 OR FR 323

**FR484 Adv Conversn Phonetics**

Hours 3

Emphasis is on improvement of oral expression in a variety of contexts. Consideration of phonetics as it serves this goal. For purposes of satisfying the requirements of the French major or minor, this course can be used in lieu of FR 421.

Prerequisite(s): FR 321 or FR 322 or FR 323.

**FR487 Writing Immigration**

Hours 3

This course is a seminar for undergraduate students in French that focuses on writings on immigration in the context of all movement of immigrants in the French-speaking world, not just the French metropole and its immigrant neighborhoods. Writings cover a range of experiences and social classes, from an elite class of immigrants to clandestine immigration. Interdisciplinary critical theory is an important tool in literary analysis for this course.

**FRS101 Elementary Farsi I**

FL

Hours 3

Contemporary Farsi (Persian): speaking, reading, and writing. Course involves supervised-self-instructional approach in the Critical Languages Center. Students are required to study the textbook and practice with assigned audio visual materials (CDs, DVDs, or computer files). Students have practice sessions three hours per week with a "language trainer" who is a native/near native (or superior level) speaker of the language. Native or near native speakers of this language are NOT allowed to take this course. Any students with any background knowledge of this language must see the CLC director BEFORE enrolling. Not repeatable without permission of the CLC director. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Foreign Language

**FRS102 Elementary Farsi II**

FL

Hours 3

Contemporary Farsi: speaking, reading, and writing. Course involves directed self-instructional approach in the Critical Languages Center. Students are required to study the textbook and practice with assigned audiovisual materials (CDs, DVDs, or computer files). Students have practice sessions three hours per week with a "language trainer" who is a native/near native/superior-level speaker of the language. This is a SUPERVISED-SELF-STUDY class. The language "trainer" will help students develop their communicative ability during class meetings. During the class meetings students will actively participate in practicing spoken language to acquire better pronunciation and conversation skills. English use will be kept to a minimum in class. Language trainers will monitor active participation throughout the semester by use of the STUDENT PERFORMANCE REPORT which will be sent to the director of the CLC. Regular class attendance and participation is required. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): FRS 101

Foreign Language

**GEO101 The Dynamic Earth**

N

Hours 4

Three lectures and one laboratory. Study of the earth including materials, internal and external processes, deformational events, and plate tectonics. Offered in the fall, spring, and summer semesters.

Natural Science

**GEO102 The Earth Through Time**

N

Hours 4

Three lectures and one laboratory. Survey of earth's history including origin of the earth, plate tectonics and evolution of the continents and ocean basins, and the development of life. Offered in the fall, spring, and summer semesters.

Natural Science

**GEO103 Introduction to Oceanography**

N

Hours 4

This course is an introductory study of the Earth Ocean system, including processes shaping the ocean floor and coastlines; basic physical and chemical properties of the seawater; ocean circulation and climate change, and biological productivity and marine life.

Prerequisite(s): None

Prerequisite(s) with concurrency: None

Natural Science

**GEO104 Hazardous Earth**

N

Hours 4

This natural science course examines geologic and other Earth hazards that impact humans and ways that human activities often increase these hazards. The course consists of lecture and lab, and includes field trips and videos that illustrate various natural hazards.

Natural Science

**GEO105 Sustainable Earth**

N

Hours 4

Three lectures and one laboratory. Lecture and laboratory provide an understanding of important earth resources (rocks and minerals, soil, water, fossil fuels, alternative energy) and how their utilization by humans impacts the environment. Includes discussion of water pollution, air pollution and waste disposal as primary issues related to resource utilization.

Natural Science

**GEO210 Mineralogy**

Hours 4

Two lectures and two laboratories. Introduction to crystallography, crystal chemistry, rock-forming minerals, physical properties of minerals, hand sample mineral identification, and optical mineralogy. Offered in the fall semester.

Prerequisite(s): CH 101 or CH 100 or CH 117; and GEO 101

**GEO306 Hydrogeology**

Hours 3

Introduction to the principles of groundwater flow, groundwater exploration, water quality, and groundwater contamination; environmental topics in groundwater. Offered in the fall semester.

Prerequisite(s): GEO 101

**GEO314 Ign. & Meta. Petrology**

Hours 4

Three lectures and one laboratory. Megascopic and microscopic study of igneous and metamorphic rocks, with emphasis on identification, classification, genesis, and relationships to tectonism. Offered in the spring semester.

Prerequisite(s): GEO 210

**GEO346 Computers in Earth Science**

C

Hours 4

This course provides an introduction to computer programming in the Earth, Environmental, and Planetary Sciences. The course covers basic coding concepts, theory, and logic in context of examples related to modeling and data analysis in the Earth Sciences. Students that take this course will have a foundation in basic programming in an interpreted language sufficient for more advanced computational courses in the discipline. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MATH 125 or MATH 145; and CS 101, CS 102, or CS 111

Computer Science

**GEO355 Invertebrate Paleontology**

Hours 3

Two lectures and one laboratory. Study of the taxonomy and morphology of major invertebrate fossil groups. Offered in the spring semester.

Prerequisite(s): GEO 101 and GEO 102

**GEO363 Geomorphology**

Hours 3

Two lectures and one laboratory. Study of landforms with emphasis on the basic geomorphic processes that contribute to their origin. Offered in the fall semester.

Prerequisite(s): GEO 101

**GEO364 Dinosaur Paleobiology**

W

Hours 3

This is an introductory course that focuses on the current study of the evolution, adaptation, and extinction of dinosaurs, and other Mesozoic reptiles. Using dinosaurs as a "biological model", students will be introduced to key concepts of evolutionary biology, historical geology, fossilization, functional morphology, physiology, biomechanics, among others. Also, this is a writing course and therefore, writing proficiency within the discipline is required for a passing grade in this course.

Writing

**GEO365 Structural Geology**

Hours 3

Two lectures and one laboratory. An introductory study of the deformation of rocks, including mechanical principles, description and identification of folds and faults, map interpretation, and regional tectonics. Offered in the fall semester.

Prerequisite(s): GEO 101, and PH 101 or PH 105

**GEO367 Sedimentology/Stratigraphy**

Hours 4

Three lectures and one laboratory. Study of the principles involved in the description and classification of sedimentary rocks and stratigraphic units, with emphasis on sedimentary processes and depositional environments. Offered in the spring semester.

Prerequisite(s): GEO 102 and GEO 210

**GEO369 Introduction Geophysics**

Hours 3

Introduction to the major fields of exploration geophysics such as seismology, isostasy, heat flow, gravity and magnetic prospecting, and electrical methods. The course includes both principles and applications to petroleum, mining, and environmental problems. Offered in the fall semester.

Prerequisite(s): MATH 125 and PH 102 and GEO 101

**GEO399 Undergraduate Research**

Hours 1-6

A maximum of 4 hours can be applied toward the major in geology. Approval of the department chairperson is required prior to registration. Offered according to demand.

**GEO401 Paleoclimatology**

W

Hours 3

Survey of the history of global climate change and the methods used to measure paleoclimate in the geological record. Offered in the Spring semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): GEO 101 or GEO 102

Writing

**GEO403 Petroleum System Analysis**

Hours 3

This course will cover the geologic events that leads to formation of petroleum systems and petroleum plays in different type of sedimentary basins which are filled by coupled processes that cause subsidence and delivery of sediments to the basin. The sedimentary fill is modified by compaction as well as the transport of heat and reactive fluids through the rock matrix during the sedimentation and lithification. These processes determine the amount and nature of oil and/or gas accumulation and production in a basin. Petroleum system analysis requires the integration of geology, geophysics, petrophysics, geochemistry, and risk analysis. The generated basin models incorporate data obtained directly from outcrops via geologic mapping, petrographic thin section analysis, geochemical data, seismic reflection profiles and well log analysis if there are wells drilled for oil and gas exploration in a sedimentary basin.

Prerequisite(s): GEO 101

**GEO405 Introduction to Environmental Biogeochemistry**

Hours 3

An introduction to fundamental concepts in biogeochemistry, a scientific discipline that integrates the study of geological, physical, chemical, and biological principles that govern the natural environment. The course discusses the lithosphere, hydrosphere, atmosphere, and biosphere, and emphasizes their interactions and connectivity through the cycles of elements and energy. Students will learn through lectures, discussions, field trips, and laboratory exercises.

Prerequisite(s): GEO 105: Sustainable Earth OR Instructor's approval

**GEO407 Seismology**

Hours 3

This course provides an overview of earthquake seismology for both upper-level and graduate geo-science students. Topics include elastic wave propagation, seismic ray theory, travel time interpretations, surface wave dispersion, and seismic tomography.

Prerequisite(s): MATH 126 or MATH 146

**GEO410 Soil & Groundwater Restoration**

Hours 3

Methods for restoring contaminated soil groundwater by examining the factors and processes influencing the efficacy of remediation systems. Emphasis placed on the scientific principles upon which soil and groundwater remediation is based.

Prerequisite(s): GEO 101 and CH 101 or CH 117 and CH 102 or 118

**GEO411 Contaminant Transport in Porous Media**

Hours 3

This course will cover topics related to the transport and fate of contaminants in subsurface systems. Specifically, this course will discuss the many factors and processes influencing contaminant transport such as the effects of dispersion, inter-phase mass transfer, transformation reactions, and porous-media heterogeneity. In addition, representative conceptual/mathematical models describing contaminant transport phenomena will be discussed.

Prerequisite(s): MATH 125 PH 102 CH 102 GEO 306

**GEO416 Volcanology**

W

Hours 3

Study of the physical properties of magmas, eruptive mechanisms, volcanic products, and the relationship between volcanism and tectonism. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered in the fall semester.

Prerequisite(s): GEO 101 The Dynamic Earth GEO 314 Ign. &amp; Meta. Petrology

Writing

**GEO424 Topics In Geology**

Hours 1-4

Special topics in the following areas: economic geology, geochemistry, geophysics, geomorphology, hydrogeology, mineralogy, paleontology, petrology, sedimentology, stratigraphy, structural geology, and tectonics. Offered according to demand.

Prerequisite(s): GEO 101 The Dynamic Earth / Minimum Grade of C-

**GEO430 Ore Deposits**

Hours 3

Introduction to sedimentary hydrothermal, metasomatic, and magmatic ore deposits, including geologic setting and genesis. Offered on demand.

Prerequisite(s): GEO 210 and permission of instructor.

**GEO433 Tectonics and Sedimentation**

Hours 3

Sedimentary basins are formed in a particular Plate Tectonics context as they relate to share certain characteristics. This course covers tectonics and sedimentation in basins formed in extensional, compressional and strike slip tectonic settings. The basins are classified based on their tectonics settings. This course will cover the tectonic settings of basins, their sedimentary fill, and their economic resources.

Prerequisite(s): GEO 101 Instructor's permission

**GEO435 Honors Sem In Geology**

Hours 1

Oral presentations on current geological topics. Offered in the fall semester.

**GEO436 Honors Sem In Geology***UH*

Hours 1

Oral presentations on current geological topics. Offered in the spring semester.

University Honors

**GEO450 Geostatistics***C, W*

Hours 3

This course serves as an introduction to statistics for the Earth and Environmental Sciences. Topics include an introduction to probability theory, experimental design, statistical hypothesis testing, regression, clustering, Kriging and other forms of spatial analysis, time series analysis, and an introduction to machine learning. All material is covered theoretically and with practical implementation in Matlab. Computing proficiency is required for a passing grade in this course. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. The course includes two lectures and one computer lab weekly.

Prerequisite(s): MATH 125 or MATH 145, and CS 101 or CS 102

Computer Science, Writing

**GEO465 Introduction to Planetary Science***W*

Hours 3

This course will provide an overview of the major processes that have shaped our Solar System, with some focus on extra-terrestrial materials and mission data. The course will examine the major aspects of our Solar System, considering physical, chemical and geological concepts. We will explore the different bodies in the Solar System, and learn from the data collected from missions and analytics on samples. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): GEO 210, or PH 106 plus one GEO 101-105 course.

Recommended: AY 204, GEO 470.

Writing

**GEO469 Light Stable Isotope Geochemistry**

Hours 3

This course is an introduction to concepts of stable isotope fractionation, and the application of stable isotopic measurements to answering geological questions. This class specifically focuses on light elements, primarily H, C, O, S, and N, though other elements/systems may be explored if there is time/interest.

Prerequisite(s): CH 102 or 118 (C- or better), and GEO 101 or 102 (C- or better), and MATH 112 or 115 (C- or better)

**GEO470 Introduction to Geochemistry***W*

Hours 3

Introduction to the field of low-temperature geochemistry (elementary chemical equilibria and thermodynamics, solubility and redox equilibria, organic geochemistry), with an emphasis on solving geologic problems. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered in the Spring semester.

Prerequisite(s): CH 101 or CH 117, and CH 102 or CH 118

Prerequisite(s) with concurrency: GEO 314

Writing

**GEO476 Environmental Field and Laboratory Methods**

Hours 3

Theory, techniques, and applications of methods for the environmental sampling and geochemical analysis of rocks, soils, and aqueous fluids. Offered in alternate Fall semesters.

Prerequisite(s): CH 101 or CH 117, and CH 102 or CH 118, Senior/ Graduate standing, or permission of instructor.

**GEO480 Cosmochemistry and Techniques***W*

Hours 3

This course in Cosmochemistry and Analytical Techniques will examine notable topics, geological concepts and analytical methods used to better understand our Solar System. The course will be part-lecture and part discussion/seminar based, where students will read journal articles on topics and make short presentations for discussion, to develop scientific curiosity and critical thinking. Writing proficiency within the discipline is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. This course covers broad topics in Cosmochemistry and Analytical Techniques. Many topics here will be learned in-class, though some background in geochemical/astronomy themes is strongly encouraged. The following UA courses AY 204, GEO 416, or GEO 470 would provide some background into this overall topic. Students are encouraged to read additional materials to expand on broader concepts.

Prerequisite(s): GEO 314 or GEO 465

Writing

**GEO495 Field Geology**

Hours 6

Five-week field course involving the application of geologic techniques and principles. Includes geologic mapping, data collection, and report writing. Offered during the first summer term.

Prerequisite(s): GEO 314 and GEO 365 and GEO 367

**GEO497 Geological Internships**

Hours 1-4

A maximum of 4 hours can be applied toward the major in Geology. Field and laboratory projects with government and industry. Offered according to demand.

Prerequisite(s): GEO 101 and GEO 102 or GEO 105

**GEO499 Research In Geology**

Hours 1-4

Offered according to demand.

**GN101 Elementary German I***FL, HU*

Hours 4

GN 101 is the first semester elementary German course. It entails the acquisition of all modes of communication, language structure, and culture.

Foreign Language, Humanities

**GN102 Elementary German II***FL, HU*

Hours 4

GN 102 is the second semester elementary German course. It entails the acquisition of all modes of communication, language structure, and culture.

Prerequisite(s): GN 101 with a grade of "C-" or better, placement exam, or permission of instructor.

Foreign Language, Humanities

**GN103 Accelerated Elementary German***FL, HU*

Hours 4

Accelerated Introductory German meets 5 hours/week and covers all materials from GN 101 and GN 102 in one semester. This class deals with virtually all content in the textbook, the electronic workbook, and discussion topics. This is a fast-paced course, which requires active participation inside and outside the classroom. Successful completion of GN 103 fulfills the foreign language requirement of the core curriculum.

Foreign Language, Humanities

**GN201 Intermediate German I***HU*

Hours 3

German 201 is the third course in a four-semester proficiency-based language sequence. This course, intended for intermediate students, stresses the four language skills areas: speaking, writing, listening and reading. Students complete reading, writing and listening assignments at home, which then become the basis for student-to-student interaction, small group work and role-play in class. The textbook covers topics and themes related to German language and literature and also provides texts pertaining to famous philosophers and artists, such as writers, musicians, and dramatists. The course will further cover German politics and history. Students will be reading texts from various genres, such as poems, excerpts of plays, newspaper articles, and short literary texts. Additional readings/materials will be provided by the instructor.

Prerequisite(s): Undergraduate level GN 102 or GN 103 with a minimum grade of C or UA Foreign Language Placement Exam in German with a minimum score of 417.

Humanities

**GN202 Intermediate German II***HU*

Hours 3

German 202 is the fourth course in a four-semester, proficiency-based language sequence. German 201 is the prerequisite. This course, intended for intermediate students, stresses all four language skills: speaking, writing, listening, and reading. Students complete reading, writing and listening assignments at home, which then become the basis for student-to-student interaction, small group work and role-play in class. Additional readings will be provided by the instructor. Both the textbook and the readings address a variety of cultural topics dealing with life in German-speaking countries.

Prerequisite(s): GN 201 with a grade of "C" or better, placement exam, or permission of instructor.

Humanities

**GN205 Living German House I**

Hours 2

Students living in the German House agree to speak only German, under the supervision of a house director who is a native speaker of German.

**GN206 Living German House II**

Hours 2

Students living in the German House agree to speak only German, under the supervision of a house director who is a native speaker of German.

**GN240 Introduction to German Linguistics**

Hours 3

Course introduces students to basic linguistic concepts as they apply to German and language generally. What are the different kinds of German spoken by different speakers in varied places? Why are there different kinds of German used? We will also examine the sounds of German (phonology), word parts (morphology), how the parts stream together (syntax), lexicon, semantics, and how German fits in in the broader world. Taught in English.

Prerequisite(s): None

**GN250 Germanic Mythology**

HU

Hours 3

Much like mythology of ancient Greece and Rome, Germanic mythology provides a rich abundance of traditional stories that help students better understand and appreciate the history, attitudes, and aesthetics that developed within the Western cultural heritage. Throughout history, Germanic mythology has provided powerful visions of nature and the cosmos, justice and injustice, communities and individuals, power and helplessness, life and death, and values and ethics. These are universal themes that we still explore today, and part of the power of myth has been its ability to provide a space for people throughout the history of western civilization and in the present day to renegotiate their positions on those topics.

Humanities

**GN254 Survey of German Cinema**

Hours 3

An overview of German Cinema from Silent Era in the 20's through New German Cinema, to post-wall works. Topics: history, socio-cultural frame, directors and cinematography.

**GN260 Holocaust In Film & Lit**

HU

Hours 3

As the Holocaust recedes in time, written and filmic documents (history, autobiography, art) increasingly shape our perception and understanding of the event. In this course we investigate important and exemplary literary and filmic renderings of the Holocaust.

Humanities

**GN264 German Literature Translatn I**

HU, L

Hours 3

German 264 is a survey in English of German literary masterpieces from the Middle Ages to the period around 1800. This semester we will read the highly influential epic poem from German medieval literature – Nibelungenlied; a picaresque novel from the Early Modern period – The Life of Courage; an essay on the question “What is Enlightenment?” by the eighteenth-century philosopher Immanuel Kant; Gotthold Emphraim Lessing’s increasingly topical “dramatic poem” urging religious toleration – Nathan the Wise; a tragedy by Friedrich Schiller which banned throughout German-speaking Europe for its seemingly controversial message – The Robbers; and we will finish with what is often regarded as the most canonical text of German literature– Goethe’s Faust I. We will also examine the impact these literary works have had and still have on German culture, including art, music and film.

Humanities, Literature

**GN265 Masterpieces of German Literature in English Translation**

HU, L

Hours 3

The course introduces students to major works of German literature in different genres from the nineteenth and twentieth centuries. Themes include politics, gender, war and peace, issues of class, race and sexuality. Through the use of film and other media we will attempt to follow the introduction of these literary works into the popular imagination.

Humanities, Literature

**GN270 Special Topics**

Hours 3

Topic varies. No knowledge of German is required.

**GN361 Interm Convers Comp I**

Hours 3

Emphasis is on increasing speaking and writing skills in German. Includes essay writing and grammar review.

Prerequisite(s): GN 202 with a grade of “C” or better, placement exam, or permission of instructor.

**GN362 Interm Convers Comp II**

Hours 3

Emphasis is on increasing speaking and writing skills in German. Includes essay writing and grammar review.

Prerequisite(s): GN 202 with a grade of “C” or better, placement exam, or permission of instructor.

**GN365 Business German**

Hours 3

Acquisition of business German used in commercial transactions. Emphasis is on business letters and business conversation.

Prerequisite(s): GN 361 or GN 362 or instructor approval

**GN371 German Culture and Civilization Thru 1832**

Hours 3

A survey of German cultural history from the Germanic tribes through the Age of Goethe. Emphasis is on developments in philosophy, religious thought, music, art, architecture, and popular culture in the context of political and social history.

Prerequisite(s): GN 361 or GN 362 or instructor approval

**GN372 Germn Cult Civ 1832-Present**

Hours 3

A survey of German cultural history from the 1830s to the present.

Prerequisite(s): GN 361 or GN 362 or instructor approval

**GN381 Directed Readings**

*HU*

Hours 1-4

Students planning to enroll should confer with the instructor before registration.

Humanities

**GN403 Undergraduate Seminar**

Hours 3

Intensive study of one or more significant subjects, authors, periods, works, or genres not studied in depth in other courses.

Prerequisite(s): GN 371 or GN 372

**GN404 Undergraduate Seminar**

Hours 3

Intensive study of one or more significant subjects, authors, periods, works, or genres not studied in depth in other courses.

Prerequisite(s): GN 371 or GN 372

**GN450 Intermed Business German**

Hours 3

Expands and deepens knowledge of business German, and prepares students for such internationally recognized business German examinations as the Zertifikat Deutsch für den Beruf and Prüfung Wirtschaftsdeutsch International.

Prerequisite(s): GN 365

**GN461 Adv Gn Convers Comp I**

*W*

Hours 3

This course emphasizes review and further development of communication skills, and includes readings of literary, cultural, and/or historical texts in German. You will continue to practice all four skills (writing, reading, speaking and listening), but the focus will be on improving your conversational and writing skills. We will review important grammar topics and work on expanding your vocabulary to give you the ability to express yourself in a variety of stylistic contexts. Apart from our textbook, we will read various fiction and non-fiction as well as watch various films and film clips. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Completion of either GN 361 or GN 362 with a grade of "C" or better, unless by special permission of the instructor.

Writing

**GN462 Adv Gn Convers Comp II**

*W*

Hours 3

This course emphasizes review and further development of communication skills, and includes readings of literary, cultural, and/or historical texts in German. You will continue to practice all four skills (writing, reading, speaking and listening), but the focus will be on improving your conversational and writing skills. We will review important grammar topics and work on expanding your vocabulary to give you the ability to express yourself in a variety of stylistic contexts. Apart from our textbook, we will read various fiction and non-fiction as well as watch various films and film clips. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Completion of either GN 361 or GN 362 with a grade of "C" or better, unless by special permission of the instructor.

Writing

**GN482 Directed Readings**

Hours 1-4

Students planning to enroll should confer with the instructor before registration.

**GR101 Beginning Greek I**

*FL, HU*

Hours 3

In this course students will learn the fundamentals of Ancient Greek grammar and syntax as well as enough vocabulary to be able to comprehend and translate simple Greek prose. Overall, this course addresses the ability to deal with questions of values, ethics, and aesthetics as they are represented in literature and related fields within the Humanities, which will be the focus. This course emphasizes the history and appreciation of the Humanities, rather than simply the ability to perform tasks at the written level.

Prerequisite(s): None

Foreign Language, Humanities



**GR102 Beginning Greek II***FL, HU*

Hours 3

In this course students continue building on their knowledge of the language and advance in the fundamentals in Greek grammar and syntax, while they expand their vocabulary and hone their ability to translate extensive passages of Greek prose. This course offers a deeper understanding of ancient Greek culture and overall addresses the ability to deal with questions of values, ethics, and aesthetics as they are represented in literature and related fields within the Humanities, which will be the focus. This course emphasizes the history and appreciation of the Humanities, rather than simply the ability to perform tasks at the written level.

Prerequisite(s): A grade of at least C in GR 101 is required for admission in GR 102. Transfer students should consult with the professor before classes start or on the first day of class.

Foreign Language, Humanities

**GR201 Intermediate Greek I**

Hours 3

Introduction to and practice in reading Greek literature, particularly Koine Greek and the New Testament.

**GR202 Intermediate Greek II**

Hours 3

An introduction to Greek prose with an emphasis on Plato's Apology.

**GR301 Advanced Greek I**

Hours 3

Select readings from Greek prose and poetry. An effort is made to accommodate the student's special interests. Offered according to demand.

**GR302 Advanced Greek II**

Hours 3

More select readings from Greek prose and poetry. An effort is made to accommodate the student's special interests. Offered according to demand.

**GR490 Adv Greek Literature**

Hours 3

Select readings in Greek literature. An effort is made to accommodate the student's special interests. The course may be repeated for credit. Offered according to demand.

**GS111 Academic Skills**

Hours 1-4

A one-, two-, or three-part course in academic skills for students eligible for the Student Support Services Program. Enrollment in each of the components is based on a diagnosed need. Offered in the fall and spring semesters.

**GS391 Exceptional Studies**

Hours 1-6

Independent study and/or research on an approved topic, under the direction of a College of Arts and Sciences faculty member. The subject matter, methodology, goals, and objectives of the study are intended to be unique.

**GS491 Academic Internship**

Hours 1-3

Students work with a faculty member on a planned and supervised activity related to the instructional, research, or service functions of the College of Arts and Sciences.

**GY100 Introduction to Environmental Science***N*

Hours 4

The primary objective of this course is to provide an introduction to the complex themes of environmental science that arise from the interactions between humans and the environment. Environmental science is an interdisciplinary field that synthesizes information from natural and social sciences and humanities to understand the natural world and our relationship to it. The content includes overviews of select biophysical systems and how they impact and are impacted by human agencies, and interdisciplinary approaches necessary to contend with modern environmental challenges are emphasized. Current environmental issues will be considered theoretically and through case studies.

Natural Science

**GY101 Atmospheric Proc & Patterns***N*

Hours 4

Three hours lecture and one two-hour laboratory period. Earth-space relations, latitude and longitude, seasons, time, weather, climate, and vegetation. Particular attention is given to the causes of weather and climate and why they tend to be different from place to place.

Natural Science

**GY102 Earth Surface Processes***N*

Hours 4

Three hours lecture and one two-hour laboratory period. Study of earth-surface processes, with consideration of human interaction with the physical environment. Subjects include landforms, water resources, soils, and mapping the physical environment.

Natural Science

**GY104 Honors Earth Surface Processes***N, UH*

Hours 4

This course, through lecture, lab and on-campus field trips, will introduce students to earth materials and their origins, and the dynamic physical processes that shape the Earth's landforms and landscapes. Topics covered will include earth structure and materials, tectonic processes, soils, weathering and mass movements, karst processes and landscapes, fluvial systems and landforms, coastal process and landforms, glacial and periglacial processes and landforms, and both surface water and groundwater resources. Through on-campus field trips and interactions with current research faculty on campus, students will gain an understanding of how current geographic research is applied to solve complex global issues.

Natural Science, University Honors

**GY105 World Regional Geography**

SB

Hours 3

Introduction to geography through a survey of the world's major geographic regions. Examines their physical and cultural features, economies, and populations.

Social and Behavioral Sciences

**GY110 People, Places, and Environment**

SB

Hours 3

Introduction to geography as a science for learning the fundamentals of human behavior and decision making. Examines how human events, natural resources, economies, development, and urbanization impact the way humankind lives, organizes its space, and makes decisions for the future.

Social and Behavioral Sciences

**GY202 The Water Planet**

N

Hours 4

This course is about water on earth, and the content will integrate scientific elements from the disciplines of atmospheric science, geography, geology, hydrology, oceanography, and water resources. The course is organized based on the large-scale elements of the hydrologic cycle and the smaller-scale elements of the water balance concept, especially as they affect water resources.

Natural Science

**GY204 Map & Air Photo Interpretation**

Hours 4

Three hours lecture and one two-hour laboratory period. Fundamentals of map reading and interpretation.

**GY207 Field Studies in Water and Climate**

N

Hours 4

Water is one of the most abundant, yet most precious, natural resources on Earth. Its movement and properties are determined by processes occurring within and across many geosystems, including rivers, lakes, glaciers, groundwater, and climate systems. This course explores how different components of Earth's water system operate and the processes linking the components together. We will also explore how people modify and utilize Earth's water systems. Our course will be based in Innsbruck, Austria, a geographic location with a variety of water systems, including glaciers, which have very strong ties to Earth's climate system. We will take fieldtrips to local glaciers and rivers to examine how water systems operate in the "real world" and learn techniques used to measure and understand how these systems change over space and time. We will also take fieldtrips to Prague, Czech Republic and Munich, Germany to better understand how humans modify water systems, through processes such as river regulation. GY 207 is designated a natural science (NS) course.

Natural Science

**GY265 Water, Energy, and Food**

Hours 3

The primary objective of this course is to introduce students to the essential characteristics and basic processes of inquiry and analysis in the area of the water-energy-food (WEF) nexus. Specifically, the WEF nexus will be considered in relation and its application to human concerns, such as emerging supply and demand issues and their impacts of social and economic systems, ecological health, and human well-being. This course will encourage the development of critical thinking skills and requires students to analyze, synthesize, and evaluate knowledge about core WEF concepts.

**GY267 Political Ecology**

Hours 3

Political ecology is a multidisciplinary approach to studying the environment through interrogating how power shapes and intersects with human-environment relationships. As a field of inquiry and practice, political ecology has greatly expanded over the past several decades to not just understand the political foundations of environmental problems or challenges, but also the co-production of environments with close attention to matters of justice, power, and inequality. Political ecology contends that through critical analysis and interdisciplinary methodologies, we can come to better understand the roots of socio-environmental problems in order to work for political change and social good.

**GY302 Climatology**

Hours 3

Introduce the fundamentals of the earth-atmosphere system as they comprise the climate of Earth, drive spatial and temporal climate variability, and impact life.

Prerequisite(s): GY 101

**GY310 Geography of America's Public Lands**

Hours 3

This course is devoted to the topic of the management of the public domain of the United States. It will examine how the public domain came to be, how it has been disposed through the centuries by homesteading, and how remaining public lands are managed by different government agencies for mining, grazing, tourism, defense, or water storage and energy production. The focus will be on western states but public holdings in eastern states, oceans, and the electromagnetic spectrum will be covered.

**GY317 Natural Hazards**

W

Hours 3

Examination of the causes, consequences, and spatial distribution of climatic, geomorphic, and human-induced natural hazards. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): GY 101 or GY 102

Writing

**GY330 Computr Mapping Graphics**

C

Hours 4

Three hours lecture and one two-hour laboratory period. Introduction to computer graphics and their application in both the natural and social sciences, with special emphasis on mapping. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): GY 204

Computer Science

**GY339 Natural Resource Envirnm Plang**

Hours 3

Analyzes human interactions with the physical environment and ways of dealing with them. Integrates environmental science, social science, and planning, and includes environmental impact assessment.

**GY341 Geography Of Us And Canada**

Hours 3

Study of the physical and human geography of the United States and Canada.

**GY344 Geography Of Africa**

Hours 3

Study of the physical and human geography of Africa.

**GY345 Geography of Latin America**

Hours 3

This course is designed to provide a regional survey of Latin America's environments and peoples from a geographic perspective. The course presents the physical landscape as well as the changing environment in Latin America. The course then explores the major historical, cultural, and economical aspects of the region. The course will have an emphasis in processes that shape the major contemporary issues, such as development, urbanization, and environmental change.

**GY346 Geography of Europe**

Hours 3

This course is designed to provide a regional survey of Europe in terms of economic activities and the physical environment. Special emphasis is on the historical development of European landscapes.

**GY358 Urban Geography**

Hours 3

Examines the growth of cities, their spatial distributions, internal dynamics, functional bases, and social and political patterns.

Prerequisite(s): GY 110

**GY363 Geomorphology**

Hours 3

Study of physical, chemical and biological processes operating at the Earth's surface and landforms, and the landscapes such processes develop.

Prerequisite(s): GY 102 or GEO 101

**GY366 The Networked World**

Hours 3

This course provides a broad introduction to the study of transport and other networks around the world, such as roads, rail, air, water, electronic, and social. Students will explore a variety of approaches to networks, beginning with fundamental definitions, a review of transport networks around the world, and then move through a range of topics, including topological measures, models of network formation, network components (links, nodes, flows), accessibility measures, spatial interaction, political influences on networks and flows, urban transport networks, and social networks.

**GY370 Special Topics**

Hours 3

*No description available***GY375 Sports Geography**

Hours 3

Sports are an important part of society and contribute billions of dollars to the global economy. This course examines the geographic dimensions of sports, primarily in North America, with some reflections on Europe for contrast. The geography of sports can be analyzed through the use of concepts found in a variety of human geography subdisciplines, including cultural, historical, economic, population, urban, and political geography. The course covers a variety of topics and helps students develop a holistic view of sports with regards to spatial interactions. Geography courses explain why things are where they are on the surface of the Earth. In other words, students develop a spatial perspective in thinking about their surroundings.

**GY377 Cultural Geography**

Hours 3

Study of the way in which culture influences elements of both physical and human landscapes with emphasis on how cultures are spread over space and how cultures make sense of space.

Prerequisite(s): GY 105 or GY 110

**GY385 Watershed Management Plan Development**

Hours 3

This course is designed to be primarily an experiential course and will address development and implementation of a Watershed Management Plan. The North River Watershed Management Plan will be used as a working model and students will review theory before carrying out experiential learning in the field.

**GY404 Physical Geography Seast Us**

Hours 3

A study of the physical landscapes in the southeastern United States. Emphasis is on the geological setting, geomorphic features, climate, soils, and vegetation, and the interrelationships of these conditions that shape the landscape in this region.

Prerequisite(s): GY 101 and GY 102; or GEO 101

**GY405 Dir Res Physical Geog**

Hours 1-3

Hands-on, problem solving in the field of physical geography.

**GY406 Dir Res Human Geography**

Hours 1-3

Hands-on, problem solving in the field of human geography.

**GY409 Forest History and Restoration**

Hours 4

This course covers the theories, tools and techniques used in historical ecology with a focus on the establishment of reference conditions for habitat conservation and restoration efforts.

Prerequisite(s): GY 101 or GY 102

**GY410 The Geography of National Parks**

Hours 3

This course is devoted to the changing geography of the national park system and protected areas, with an emphasis on their design, planning, and operations.

Prerequisite(s): GY 110

**GY412 Hydroclimatology**

Hours 3

To provide a basic understanding of the waters of Earth, especially with relation to the effects of precipitation and evaporation upon the occurrence and character of water in streams, lakes and on or below the land surface.

Prerequisite(s): GY 101 and GY 302

**GY413 Applied Climatology**

Hours 3

Applied Climatology is a graduate/senior level course designed to expand upon fundamental concepts learned in GY 101. Within this broad field, a specific focus in GY 413 concentrates upon climate and human health/behavior, and human modification of climate. The course contains a mixture of lecture, lab, and field assignments.

Prerequisite(s): GY 101

**GY414 Climate Change and Health**

Hours 3

This course is an introduction to the effect of global climate change on health. The course will be taught from a geographical perspective and will introduce students to the physical science of climate change and the impact it has on health through discussion of extreme weather events, altered ecological systems, and threats to human security and welfare. Discussion will build on the core concepts of climate change science to provide students with a solid foundation to further examine a variety of topics from acute impacts such as heat waves and other weather extremes to chronic conditions such as shifting disease vector habitats, degraded air quality, and food security. Direct correlations between health impacts and climate change will be emphasized throughout as will discussion of mitigation and adaptation strategies.

Prerequisite(s): GY 101

**GY415 The Geography of Extinctions and Endangered Species**

Hours 3

This course examines the individuals, institutions, research, controversies, and policies that have developed around wildlife extinction, ecological problems associated with extinction, and endangered species. The course also examines the stories of several lost or vanishing species. This course, which has been developed out of the instructor's current research projects, uses lectures, readings, student-led discussions, writing assignments, and one exam to explore how humans have contributed to, while at the same time grappling with, the issue of wildlife conservation and extinction.

**GY416 Introduction to Geostatistics Using R**

Hours 3

This course is an introduction to geostatistical data analysis using R. The course will be taught from the perspective of geographical and climate data analysis but serves as a broad introduction to the high-level programming language, R, as well as applied spatial data analysis. Students will load and manipulate data of different types, perform a variety of statistical analyses, generate graphical output, and create productive workflows using R alone. The primary outcome will be to facilitate students' use of R to analyze data of their own choosing on a final project. Students will present these methods to the class for others to critique, analyze and learn from. Code sharing and re-use is highly emphasized, as is collaboration. The course is designed as a 1-hour lecture plus 2-hour lab each week.

**GY417 Extreme Weather and Society**

W

Hours 3

EW&S is an integrated physical and social science seminar class consisting of readings, discussion, and lectures on perception, understanding, and communication of severe weather hazards. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): GY 101

Writing

**GY418 Spatial Statistics and Geostatistics**

Hours 3

This course presents a comprehensive overview of the geographic sub-disciplines of Spatial Statistics and Geostatistics. Students will learn about the nature of spatial data, and the methods of centrography, point pattern analysis, spatial interpolation, spatial autocorrelation, density mapping and estimation, spatial regression, and both spatio-temporal and network based spatial statistical analyses. Students will learn the limitations of the methods, their proper use, and how to accurately describe their outputs.

**GY420 Remote Sensing I**

C

Hours 4

Three hours lecture and one two-hour laboratory period. Introduction to the basic principles of electromagnetic radiation, interaction between energy and earth features, remote sensing instruments, and information extraction from remotely sensed data. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): GY 204

Computer Science

**GY424 Cartography Practicum**

Hours 3-9

Individual work experience in cartography, supervised by faculty and staff of The University of Alabama. A maximum of 3 hours of internship or practicum credit can be applied to the geography major. Credit for GY 424 cannot be applied to the geography minor.

**GY425 Cartography Internship**

Hours 3-9

Individual work experience on a cartographic project, supervised by the staff of an off-campus agency. A maximum of 3 hours of internship or practicum credit can be applied to the geography major. Credit for GY 425 cannot be applied to the geography minor.

**GY429 Fundamentals of Geographic Information Systems**

Hours 3

This course is a hands-on, practical Geographic Information Systems (GIS) introduction for non-majors in Geography or GIS Certificate.

**GY430 Intro Geographic Info Systems**

C

Hours 1,3

Three hours lecture and one hour laboratory period. Introduces the basic concepts of GIS, including definition and components of GIS, spatial data structures, data sources, data input, manipulation and analysis, applications of GIS, and managing GIS. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): GY 204

Computer Science

**GY433 Gis Practicum**

Hours 3-9

Individual work experience in GIS, supervised by the faculty and staff of The University of Alabama. A maximum of 3 hours of internship or practicum credit can be applied to the geography major. Credit for GY 433 cannot be applied to the geography minor.

**GY434 Gis Internship**

Hours 3-9

Individual work experience in GIS, supervised by the staff of an off-campus agency. A maximum of 3 hours of internship or practicum credit can be applied to the geography major. Credit for GY 434 cannot be applied to the geography minor.

**GY435 Remote Sensing II**

Hours 4

Three hours lecture and one two-hour laboratory period. Analysis and extraction of thematic information from nonphotographic remotely sensed data for geographic information systems. Topics include image processing, image enhancement, and image classification. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): GY 420

**GY436 Adv Geographic Info Syst**

C

Hours 4

Three hours lecture and one two-hour laboratory period. Evaluation of case studies, spatial model development, and database design for geographic information systems. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): GY 430

Computer Science

**GY437 GIS for Transportation**

Hours 4

The application of Geographic Information Systems to transportation has resulted in a sub-field known as GIS-T. This course will provide a hands-on introduction to GIS-T.

Prerequisite(s): GY 204

**GY439 GIS Programming**

Hours 4

This course focuses on the extension of geographic information systems (GIS) through programming as well as on the development of stand-alone algorithms for spatial analysis and numerical modeling.

Prerequisite(s): GY 429 or GY 430

**GY440 Commun Facil Planning**

Hours 3

Principles, processes, and analysis of public facility location planning, with emphasis on the spatial search process, impact analysis, and public facility location models. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

**GY441 Land Use Regulations**

Hours 3

Theory and use of zoning, eminent domain, taxing and police powers, enabling acts, charters, official maps, codes, nuisance ordinances, and environmental impact statements in community planning.

**GY443 Location Science**

Hours 3

This course presents the theory and practice of Location Science – the study of the optimal or near optimal spatial location and allocation of facilities, routes, personnel, or other assets. A variety of optimal procedures for location problems is presented, including minimum spanning tree, shortest path, maximal flow, and transportation problem algorithms. The Simplex method as applied to location problems is outlined and demonstrated. Heuristic approaches to location problems including greedy heuristics and Tabu search heuristics are reviewed.

**GY444 Field Studies In Africa**

Hours 6

Three-week intensive field study in Ghana. Explores geographical perspectives on Africa's level of development and the responses of the African peoples to their circumstances.

**GY445 Agriculture: Environment and Development**

Hours 3

This course examines the geographical elements of how people use the biophysical environment to grow domesticated plants (crops). Agriculture is understood in this course as the transformation of biophysical or "natural" environments into "cultural" environments. It is assessed in regard to both the plants cultivated, and the soil, slope, moisture, and temperature conditions that exist and then are modified or created by farmers. Ecological and systematic approaches are taken in order to understand how different agricultural strategies insure continual long-term productivity and stability. Microeconomics is an important and recurring theme.

Prerequisite(s): GY 105 or GY 110 or instructor permission

**GY449 Field Studies in Europe: Ireland**

Hours 6

Ireland with its long history of occupation, colonization, invasion, emigration and immigration, together with its diverse geology, geomorphology, culture, history and heritage is an ideal location to study the intricacies of human-earth relationships in a dynamic modern setting. Located on the western most edge of Europe, and a member of the European Union, Ireland welcomes over 11 million visitors each year and during the last decades has evolved into a forward-thinking center of globalism and multiculturalism. This course is designed to immerse each student in all things Irish, past and present, and through readings, field visits, excursions and exposure to the Irish people and culture develop an understanding of the complexity, interdisciplinarity and global interconnections that exist in Ireland and throughout our global community. This is a unique opportunity for students to experience the real Ireland.

**GY450 Conservation Field Studies in Belize**

Hours 6

Study Belize's diverse rainforests, coral reefs, and visit Mayan ruins for a glimpse into a past civilization. Belize is unique in that it still contains relatively undisturbed rainforests and the longest barrier reef in the Western Hemisphere. However, while Belize has emerged as an international leader regarding conservation efforts, threats from climate change, poverty, and development still exist. The purpose of this course is 1) examine current conservation efforts to safeguard this biodiversity; 2) familiarize students with the most important aspects of tropical lowland terrestrial and marine ecosystems; 3) understand the role of local culture in sustainable conservation; 4) gain an understanding of the fundamental importance of biodiversity; and 5) expose students to new and unique cultures and environments. The course is designed for students who are interested in conservation issues, biogeography, marine sciences, ornithology and birding, archaeology, and outdoor adventures.

Prerequisite(s): GY 102

**GY451 Global Environmental Change**

Hours 3

Global Environmental Change focuses on the major issues of global change, including anthropogenic climate change, land use and land cover change, biodiversity issues, environmental pollution, potential global change-related impacts on human health, and relevant social policies. The class will follow a quasi-seminar format where individual presentations and group discussion will comprise a large portion of the in-class activity. Each week students will do research on and/or read assigned articles and additional articles of your own selection on relevant subjects. I will provide a summary of the weekly topic and as a class we will discuss issues raised in the research and readings.

Prerequisite(s): GY 101 or GY 102

**GY452 Environ Decision Making**

Hours 3

Review of the history of natural resources in the U.S. and current environmental topics, followed by discussion of techniques to facilitate environmental decision making and management.

**GY453 Environment & Society**

W

Hours 3

Exploration of the linkages between the biophysical environment and human social systems. Public policy implications are viewed from a social science perspective. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): GY 110

Writing

**GY454 Costa Rica Field Studies: Tropical Ecology, Conservation, and Development**

Hours 4

This program will provide students with a broad interdisciplinary experience encompassing tropical ecology, conservation and development (TECD) in a highly experiential learning context.

**GY456 Planning Internship**

Hours 3-9

Individual work experience in planning, supervised by the staff of an off-campus agency. A maximum of 3 hours of internship or practicum credit can be applied to the geography major. Credit for GY 456 cannot be applied to the geography minor.

**GY457 Environmental Entrepreneurship**

Hours 3

Interested in starting a nonprofit? Working with or leading one? In this course students will create their own nonprofit organization from conception to incorporation. Build on an existing idea or start a new organization around students' goals and passion. Learn what it takes to run an organization by building one from the ground up, including business planning, legal structures, board development, and incorporation process. Classes will be structured around brief lectures, reading quizzes, class discussions, maker space project development, and presentations.

**GY458 Urban Planning And Analysis**

Hours 3

A study of contemporary urban landscapes, political and economic power structures, and resultant conflicts. Includes an in-depth analysis of the role of externalities, the urban planner, urban policymaking, and analytical methods in the planning and administration of urban landscapes. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

**GY462 Land Use Science**

Hours 4

This course explores the interactions between land use, land cover, and social and environmental processes at multiple scales. The emphasis is on understanding how the natural landscape influences human activities, how humans modify the natural landscape to meet our needs, and how those modifications create a co-evolution between landscapes and human use. Understanding how land uses are, or should be, allocated to achieve multiple goals, including food and fiber production, space for human settlement, provision of ecosystem services, and access to renewable energy sources, requires consideration of these multiple objectives and of the various factors driving land-use decisions at multiple scales.

Prerequisite(s): GY 105 or GY 110

**GY464 Seminar in Contemporary Conservation Politics**

Hours 3

In this reading intensive and discussion based course, students will engage with a variety of contemporary texts that grapple with pertinent questions about the meaning of conservation in our contemporary moment, one which many have labelled the Anthropocene. The seminar will introduce students to key theoretical concepts related to the Anthropocene and its Anthro-adjacent terms (the Capitalocene, the Plantationocene, etc.), with particular focus on how new ways of understanding human transformation on the planet inform and push us to re-evaluate human relationships with nonhuman species. Students will pay special attention in this course—through a variety of ethnographic, empirical, and more theoretical texts—to reconfigurations and rearticulations of human-wildlife relationships and conservation politics, inclusive of both plant and animal life and human efforts to govern nature on a rapidly changing planet. As we face the rapid and ongoing acceleration of planetary species extinction and anthropogenic climate change, new ways of articulating environmental discourses and nature-society relations are necessary, which students will discuss and debate from a number of vantage points where the ecological meets the social (and thus, political).

**GY466 Geography of Automobility**

Hours 3

This course is devoted to the geography of the automobile/highway/sprawl system, primarily in an urban North American context. Examines the location and function of the multimodal North American transportation system, the urban transportation planning process and methodologies. Assesses the political and environmental contexts of transport systems, including impacts of continued reliance on the automobile.

Prerequisite(s): GY 105 or GY 110, or instructor permission

**GY468 Grant Writing for Environmental Nonprofits**

W

Hours 3

This upper level writing course teaches students how to create and present a nonprofit grant writing program. Students will work with local nonprofit organizations and develop research opportunities, prepare reusable master language, and draft real grant applications for their nonprofit client. Students will be required to construct a strong grant application portfolio and presentation on behalf of project partner(s). Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**GY470 Special Topics**

Hours 3

*No description available*

**GY472 Soil Science**

Hours 4

Three hours lecture and required field and lab work. Introduction to the study of soils, including soil formation, classification, and the interpretation of soils to reconstruct environmental histories.

**GY473 Public Policy Development in Water Resources**

Hours 3

This course will evaluate the current approaches to policy theory and examine systematically the broader implications of the substantive aspects of public policy development in the water resources spectrum. In analysis of public policy development in water resources, the student will look at both policy process and policy substance. Attention will be given to the questions of how and why water policy differs across states, and how one might evaluate policy performance cross-nationally.

**GY477 Water Resources Management, Law, and Policy**

Hours 3

The Water Resources Management, Law, and Policy course will provide students with a survey of water resources development, control, law, policy and management with particular emphasis on public policy considerations including: the acquisition and exercise of water rights—appropriative and riparian; groundwater management; water districts and user organizations; environmental considerations; Federal/State relations including interstate allocation; and the Alabama Water Resources Act. The course will also address international water law—the multinational treaties, laws, cases, practices and politics governing Earth's transboundary freshwater resources (watercourses including rivers, streams, lakes, and groundwater aquifers) shared by two or more countries.

Prerequisite(s): GY 101 and GY 102; or GEO 101

**GY481 Water Diplomacy**

Hours 3

The course will focus on the linkages between water resources policy and conflict or cooperation with primary interest on interstate (transboundary) and intrastate water issues. The conceptual framework of the course is centered on water scarcity, water conflict, hydropolicy, hydrohegemony, water security, and dispute resolution. The role of disparate stakeholders and the problem of scale will be considered. The policy, norms and laws for mediating water conflict at different jurisdictional levels, including adversarial legalism (lawsuits) are examined.

**GY483 Environment Science Internship**

Hours 3-9

Individual work experience in environmental science, supervised by the staff of an off-campus agency. A maximum of 3 hours of internship or practicum credit can be applied to the geography major. Credit for GY 483 cannot be applied to the geography minor.

**GY485 River Hydrology**

Hours 3

Rivers are dynamic natural systems that are of great importance to ecosystems and society. This course examines river hydrology processes from a physical geography perspective. A major theme of the course will be impacts of human actions on river systems.

Prerequisite(s): GY 101 or GY 102

**GY486 Watershed Dynamics**

W

Hours 3

An examination of the physical operation of watersheds focusing on surface water hydrology, erosion, and sedimentation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): GY 102

Writing

**GY488 Digital Terrain and Watershed Analysis**

Hours 4

This course covers concepts, numerical algorithms, and techniques for digital terrain and watershed analysis. It combines lectures with a substantial practical lab component. The lectures covers spatial representation of topography, topographical data acquisition techniques (Photogrammetric Stereo, InSAR, LiDAR, GPS, cartography), terrain visualization, terrain parameter derivation, extraction of critical terrain features, landform recognition and classification, watershed analysis, cut-and-fill and volumetric analysis, drainage network extraction, watershed delineation, and distributed watershed models. The practical component, involving 8 lab assignments and one individual mini-project, will give students hands-on experience in using proprietary GIS software packages, ArcGIS, EPA BASINS 4.0 and HSPF 12.0 to handle topographic and image data for terrain and watershed analysis.

Prerequisite(s): GY 430

**GY489 Forest Ecology Veg Analy**

W

Hours 4

Three hours lecture and required field work. Study of the nature of forest communities and the interrelationship of organisms that compose them. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**GY490 Geography Internship**

Hours 3-9

Work experience in an agency involved in geographical analysis. A maximum of 3 hours of internship or practicum credit can be applied to the geography major. Credit for GY 490 cannot be applied to the geography minor.

**GY491 Fluvial Geomorphology**

W

Hours 3

This course provides an in-depth investigation of the processes that determine the form and evolution of rivers and streams. Questions addressed by this course include the following. What processes determine the form and evolution of rivers and streams? How can we infer process from form and vice versa? How do river form and process vary spatially and temporally? What principles of fluvial geomorphology are needed for river restoration and management? The course will combine lectures, discussions, field data collection, and modeling activities. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): GY/GEO 363 Geomorphology

Writing

**GY492 Eastern Forest Communities and Silvics**

Hours 4

This field course is focused on the biotic and abiotic elements that create distinct forest communities throughout the eastern US, with a particular emphasis on woody plant assemblages including the silvics of dominant and indicator species in different community types. Applications to forest management are stressed.

Prerequisite(s): GY 101 or GY 102 or BSC 114

**GY494 Forest Measurement & Methods**

Hours 4

This course is designed to provide students with a theoretical foundation and practical experiences in measuring, inventorying, and describing trees, stands, and forests.

Prerequisite(s): GY 101 or GY 102 or BSC 114 or BSC 116



**GY496 Forest Ecosystem Management: Silviculture***W*

Hours 4

In this course silviculture is treated as applied forest ecology. The goal of this course is to provide students with a knowledge of silviculture and its ecological basis so they can design manipulations in forest ecosystems to achieve a range of management objectives. The course requires field trips to tour different sites and visit with forest scientists and managers. In this course students learn about tree growth and stand development and use this information to develop silvicultural prescriptions to meet a diverse range of management goals. We will explore how silvicultural treatments can influence stand structure and composition and how these changes influence timber quantity and quality, forest health, biodiversity, soil, and wildlife habitat among other features. We will also focus on how silviculture is influenced by broader social, economic, and ecological issues. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): GY 489 or GY 409 or GY 492 or GY 494 or instructor permission

Writing

**HEB101 Elem Hebrew Language***FL*

Hours 3

Contemporary Hebrew: speaking, reading, and writing. Course involves directed-self-instructional approach in the Critical Languages Center. Students are required to study the textbook and practice with assigned audio visual materials (CDs, DVDs, or computer files). Students have practice sessions three hours per week with a "language trainer" who is a native/near native (or superior level) speaker of the language. Native speakers of this language cannot take this course. Any students with background knowledge of this language must see the CLC director before registering for permission. Not repeatable without permission of the CLC director. Offered each semester. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Foreign Language

**HEB102 Elem Hebrew Language***FL*

Hours 3

Contemporary Hebrew: speaking, reading, and writing. Course involves mixed self-instructional approach in the Critical Languages Center. Students are required to study the textbook and practice with assigned audio visual materials (CDs, DVDs, or computer files). Students have practice sessions three hours per week with a language "trainer" who is a native/near native speaker of the language. Not repeatable without permission of CLC director. Offered each semester. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): HEB 101

Foreign Language

**HIN101 Elementary Hindi***FL*

Hours 3

Contemporary Hindi: speaking, reading, and writing. Course involves directed-self-instructional approach in the Critical Languages Center. Students are required to study the textbook and practice with assigned audio visual materials (CDs, DVDs, or computer files). Students have practice sessions three hours per week with a "language trainer" who is a native/near native (or superior level) speaker of the language. Native speakers of this language cannot take this course. Any students with background knowledge of this language must see the CLC director for permission before registering. Not repeatable without permission of the CLC director. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Foreign Language

**HY101 Western Civ To 1648***HI*

Hours 3

A history of Western civilization from its origins in Greece and Rome through the Middle Ages, the Renaissance and Reformation, and the age of discovery and expansion during the emergence of modern Europe. Usually offered in the summer session.

History

**HY102 Western Civ Since 1648***HI*

Hours 3

Covers the development of the Western world from the Thirty Years' War to the post-World War II era: the age of absolutism, the Enlightenment, the French Revolution, industrialization and the wars of the 20th century. Usually offered in the summer session.

History

**HY103 History of American Civilization to 1865***HI*

Hours 3

A survey of American history from its beginning to the end of the Civil War, giving special emphasis to the events, people, and ideas that have made America a distinctive civilization. Open to freshmen.

Prerequisite(s): None

History

**HY104 America Civilization Since 1865***HI*

Hours 3

A survey of American history from the Civil War to the present, giving special emphasis to the events, people, and ideas that have made America a distinctive civilization. Open to freshmen.

Prerequisite(s): none

History

**HY105 Honors West Civ To 1648**

*HI, UH*

Hours 3

Honors sections of HY 101.

History, University Honors

**HY106 Honors West Civ Sc 1648**

*HI, UH*

Hours 3

Honors sections of HY 102.

History, University Honors

**HY107 Honors American Civilization to 1865**

*HI, UH*

Hours 3

An honors-level approach to the American experience; parallel to HY 203.

Prerequisite(s): Invitation of the department or membership in the University Honors Program

History, University Honors

**HY108 Honors American Civilization Since 1865**

*HI, UH*

Hours 3

An honors-level approach to the American experience.

Prerequisite(s): Invitation of the department or membership in the University Honors Program.

History, University Honors

**HY111 Colonial Latin America**

*HI*

Hours 3

Formation of the largely Spanish speaking New World, from the shock of conquest to the trials of freedom that spawned the modern nations of Latin America.

Prerequisite(s): None

History

**HY112 Modern Latin America Since 1808**

*HI*

Hours 3

Survey of political, economic, and social life in the 19th and 20th centuries with emphasis on the larger countries (Brazil, Mexico, and Argentina).

Prerequisite(s): None

History

**HY113 Asian Civilization to 1400**

*HI*

Hours 3

Broad survey of Asian civilization from the earliest times covering India, China, Korea, Japan and Southeast Asian, with large cultural and religious emphases.

Prerequisite(s): None

History

**HY114 Modern Asia since 1400**

*HI*

Hours 3

Conditions of various Asian civilizations in the 15th century, followed by the arrival of Europeans, with emphasis on imperialism, colonialism and Asian nationalism.

Prerequisite(s): None

History

**HY115 History of Science and Medicine to 1800**

*HI*

Hours 3

This course will explore the origins and evolution of science and technology and the relationship both had to the societies that produced them. In addition to reading foundational texts in the history of science, like Aristotle and Galileo, we will address larger themes, including the relationship between science and religion and the role of science and scientists in the societies that produced them.

History

**HY116 History of Science and Medicine Since 1800**

*HI*

Hours 3

Science and technology are ever-present in today's world, defining not only how we live our daily lives but also shaping our conceptions and evaluations of modernity, civilization, and progress. How did science and technology become so important and pervasive to the modern world? This course is intended as an introduction to the history of modern science and technology from the Enlightenment to the present. Our focus will be on the development of science and technology in the Western World (Europe and North America). However, we will also make comparisons across cultures to explore how science and technology shaped notions of what counts as "Western" and "modern." In addition to learning about key developments in the history of science and technology, from Ford's Model-T to Einstein's theory of relativity, we will address larger themes, including the relationship between science and religion and the role of technology in war and empire.

History

**HY117 World History to 1500***HI*

Hours 3

This course examines the political, economic, religious and social history of the world from the first civilizations that emerged around 3000 BC to about the year AD 1500. In this course we will discuss the creation of civilizations, the rise and fall of empires, and the similarities and differences between these various cultures with regard to their development. As this is an introductory course to world history, it is important to note that we will not be able to delve too deeply into any one topic.

History

**HY118 World History Since 1500***HI*

Hours 3

This course is a continuation of HY 117, Comparative World Civilizations. The course will examine the interactions between major world civilizations in Europe, Africa, and Asia. Course material will examine developments of history, politics, economics, and religion since 1500.

History

**HY201 Legal History Field Experience**

Hours 1

A required component of the larger Legal History concentration. Registered students will meet with the professor individually three times during the term, will be required to attend three pre-approved legal-themed events, and will complete brief reflection essays about their experiences at these events. Requires instructor approval to register.

**HY225 Hy Alabama To 1865**

Hours 3

State history under the flags of Spain, France, Great Britain, the U.S., and the Confederate States, with emphasis on cultural heritage.

**HY226 Hy Alabama From 1865**

Hours 3

Survey of Alabama's history and personalities since 1865: Reconstruction, agrarian revolt, Progressivism, the KKK, Dixiecrats and the Civil Rights movement.

**HY295 Us Naval History**

Hours 3

Traces the development of the U.S. Navy from sailing ships to nuclear vessels, and relates it to political and economic conditions and to wars throughout American history.

**HY301 Independent Study**

Hours 1-3

Directed study done by special arrangement with a faculty member of the History Department. Requires sophomore standing and permission of the instructor.

**HY302 History Mentoring**

Hours 1

Students learn the mechanics of teaching History writing, editing, and instruction. Under the supervision of a faculty member, they learn the pedagogy of writing and then practice their craft by working with other students. Requires a recommendation from a professor to participate.

Prerequisite(s): Recommendation from a History professor.

**HY305 Topics in European History**

Hours 3

This course covers a range of special topics in European History. Typically taught as a combination of lecture and discussion, with emphasis on primary sources, its topics cover major themes in medieval, early-modern, and modern European civilization. These include, among others, the origins of medieval and early modern Europe, national and cultural identity, revolution, gender, sexuality, consumerism, daily life, war, transnational exchange, and the environment.

**HY306 Topics in American History**

Hours 3

This course covers a range of special topics in American History. Typically taught as a combination of lecture and discussion, with emphasis on primary sources, its topics will include, among others, the indigenous and European encounters, colonial and constitutional history, the development of the American nation, race, slavery, and civil war, the World Wars and the Cold War, American foreign policy, and the civil rights movement.

**HY307 Topics in Latin American, Asian, Middle Eastern, or African History**

Hours 3

This course covers a range of special topics in Latin American, Asian, Middle Eastern or African History. Typically taught as a combination of lecture and discussion, with emphasis on primary sources, its topics include, among others, national and cultural identity, revolution, gender, sexuality, consumerism, daily life, war, transnational exchange, and environment.

**HY308 Colonial America**

Hours 3

History of the social, cultural, and political interactions of all the peoples in early North America and the Caribbean from the sixteenth century through the 1760s, with an emphasis on the diversity of experiences across categories of race, gender, socioeconomic status, religion, and age.

**HY309 The Great Cases in US Legal History**

Hours 3

This course surveys key developments in US legal history from the colonial period to present day.

**HY311 Antebellum America**

Hours 3

Students will explore the antebellum period as an era of great change in the United State. Between 1820 and 1860, we witness the rise of the "city" and expanding frontiers. Antebellum America, 1846-1861 examines the divisive political, social, and economic forces which intensified in the 1840s and culminated in the Civil War. Through a study of the primary and secondary literature of American history this course surveys the individuals and groups who influenced the American experience, as well as the cultural, political, and socio-economic movements that shaped the nation.

**HY313 American South Since 1865**

Hours 3

History of the South since 1865, covering Reconstruction, the Bourbon Democracy, the New South Creed, populist revolt, World War I, the 1920s, the Great Depression, the civil rights movement, and Southern politics.

**HY315 The Civil War**

Hours 3

The American Civil War and Reconstruction continue to attract great scholarly and popular attention. This course takes a chronological and thematic approach to discuss the war's complex meaning to past and present Americans. Through readings, lectures, class discussions and movies, students will explore traditional military and political aspects of the era, causes and consequences of the crisis, as well as racial, social, gender and cultural dimensions.

**HY316 Life & Legend Abraham Lincoln**

Hours 3

The life and legend of the man often considered to be the representative American.

**HY317 America at War 1916-2016**

Hours 3

This course examines the ways in which Americans have organized and used armed force in the last 100 years, and the models that historians have used to understand and explain those actions. The central theme involves how Americans have addressed the security issues they faced and how they have both succeeded and failed to achieve stable political solutions they called "peace," across the spectrum from the conventional to the unconventional. The format will be largely lecture-based, accompanied by images of people and events.

**HY318 U S Since 1945**

Hours 3

Topical survey of the economic, social, political, and cultural developments in the United States since World War II.

**HY319 19th Century Black History**

Hours 3

Role of black Americans in American life from the 17th century to the beginning of the 20th century, with emphasis on the institutions and events of the 1800s.

**HY322 The United States in the Age of Franklin Roosevelt**

Hours 3

The Great Depression and the Second World War were crucial in shaping the American political, social, economic and cultural landscape for decades, and continue to impact our lives today. Much of the era coincided with the presidency of Franklin Roosevelt, who was elected to an unprecedented four terms as president, and actually served in that office for thirteen years. The Age of Roosevelt class will explore the problems that faced the United States in the thirties and forties, the solutions that generation tried in order to solve their problems, and the impact of policy on the inhabitants of the United States. The class will aid you in building critical thinking skills, give you a basic introduction to a set of historical literature, and expose you to primary sources from the Depression and the Second World War.

**HY323 Us Constitut Hy to 1877**

Hours 3

Deals with the evolution of constitutional law and the nature and process of judicial review, including 18th-century constitutional theory and Supreme Court decisions.

**HY324 Us Constitut Hy sc 1877**

Hours 3

Continuation of HY 323, tracing developments up to the current Supreme Court.

**HY325 Us-World Power to 1898**

Hours 3

Emphasizes idealism and realism in foreign policy, the change from isolationism to international involvement, "New Manifest Destiny," and the rise of America to world power.

**HY327 Women in Early America**

Hours 3

Examines the history of women in early North America from 1660 to 1877.

**HY328 United States of War: Society and Military since 1865**

Hours 3

This course will engage students in the study of war and American society since 1865. It is not a class about military strategy or foreign policy. Rather, students will survey the radiating impact of armed conflict and military service on individuals, communities, culture, and politics. And in the other direction, students will examine the ways fundamental features of American society (race, gender, class, citizenship, sexual orientation, and so on) influence the country's military experience. To give shape to such a vast subject, we will organize our inquiry around three questions: How do Americans mobilize for, fight, and remember their wars? Together those dimensions describe a society in the throes of militarization and perhaps militarism and/or anti-militarism. We will explore the difference between these ideas and assess which of them, if any, characterizes the United States in this period. These questions and terms will guide our main effort: to scrutinize the ways America's experience with armed conflict has reflected and shaped broader truths about society in the past century.

**HY329 American Religious History Before 1870**

Hours 3

An introduction to American religious history from the first encounters between Native Americans and Europeans through the mid-nineteenth century. The course will explore important religious traditions and consider the connections between religious values and crucial questions in American history.

**HY330 Civil Rights Movement**

Hours 3

History of the leaders, organizations, and events of the Civil Rights Movement during the years 1945 to 1968.

**HY332 Native American History**

Hours 3

This course examines the histories of hundreds of indigenous peoples in North America from early human habitation to the present day, with a focus on those residing in what is now the United States and Canada. We will study their experiences; their encounters with one another, Europeans, and Africans; and the different histories that people have told about those experiences and encounters. Class materials, which include art, film, and fiction as well as history and anthropology, stress the diversity of Native lifeways as well as the ways in which the history of American Indians has often been ignored, changed, appropriated, and distorted, as well as reclaimed and re-evaluated over time. Some of the questions we will consider throughout the semester include: How much can we know about Indigenous peoples before they had an alphabetic written history? What can European sources teach us about the Native peoples they encountered? How did the Natives of North America live before 1492? Does it make any sense to generalize about "Indians," given that they include a large number of diverse peoples? How did contact with Europeans and Africans (and their diseases and technologies) change Native societies? How did Natives affect Europeans and Africans? Why did Native peoples lose ground (literally and figuratively) in the nineteenth century? How have Natives experienced and reacted to the changes of the twentieth century? What does it mean to be a Native person in the United States today?.

**HY335 Handmade Nation: Knitting and History**

Hours 3

Knitting has enjoyed a huge comeback in the U.S. in the last decade, largely thanks to interest in DIY and environmentally sustainable consumption. This class explores the history, art, and politics of knitting. Students will learn to knit (or develop their skills as knitters) and also analyze knitting as a fascinating window onto the rest of the world. Topics explored include the craft's history, women's and men's work, the politics of art vs. craft, consumerism, globalization, and the craft's role in activism. Half of class time will be studio-based and half will focus on discussion of the readings. There are no prerequisites. You will also develop the ability to think historically through critical analysis of primary and secondary sources; place events, people, and documents in their historical contexts; and create your own historical interpretations and narratives about the past. In this course, you should expect to do much more than memorize facts or dates – you will be busy actively learning by knitting and doing history, not passively sitting back and being told what to think.

**HY336 U.S. Disability History**

Hours 3

This course places the experiences of people with disabilities at the center of the American story, from long before Europeans arrived in North America through today. We will explore the changing lives of people with disabilities—from railroad workers and rights activists to wheelchair athletes and participants in freak shows to college students and more—as well as the history of disability policy and conceptions of disability. We will focus on the social and cultural history of disability rather than its strictly physical or medical aspects. U.S. Disability History takes a new approach to familiar topics in U.S. history, including colonization, slavery, immigration, racial and gender stereotypes, education, civil rights, and citizenship, among others.

**HY337 Foodways in American History**

Hours 3

The broad goal of this class is to introduce students to the use of food, eating, and the ways in which various societies have met these challenges. Food is a constant in human societies, and yet the ways in which we choose to meet our nutritional needs can vary widely, across both distance and time. We will examine the ways in which Americans, broadly defined as those who live in or adjacent to the current-day United States, have chosen to eat, and some of the many meanings those choices carried.

**HY338 History of Contemporary China, 1921-2000**

Hours 3

This course provides a general but analytic introduction to the development of contemporary China from 1921, when the Chinese Communist Party (CCP) was founded, to 1949 when the People's Republic of China (PRC) was founded, and on towards the present, concluding around the year 2000. We will review key historical phenomena that distinguish contemporary China, particularly Marxist and Stalinist theories and their use by the CCP in varying circumstances not only to pursue and carry out political revolution (1921-1949) but also political-economic developments after 1949. Such developments initially involved PRC state formation via agricultural transformation & large-scale Soviet-style industrialization accompanied by bureaucratization, the oppositional anti-bureaucratic thrust that eventually produced the Cultural Revolution (1966-1976), the rebuilding of both the CCP & PRC after Mao's death in 1976, the "second Communist Revolution" after 1978 associated with Deng Xiaoping, and the places of "intellectuals" in all of this.

**HY339 Race and Injustice in the Modern South**

Hours 3

A study of crime, punishment, and race in the American South from slavery through the rise of mass incarceration in the 21st century. Topics include slave patrols, convict lease system, lynching, the Lost Cause, white supremacy, the death penalty, the modern prison system and Black responses to these systematic oppressions. Special attention will be paid to understanding these national themes locally, within Alabama and Tuscaloosa, and working with community partners.

**HY340 Material Culture in the Early Americas**

Hours 3

This course studies human-made objects to learn about the history of the Americas (North, Central, South, and the Caribbean) from 1300 to 1800. Topics studied include gender, race, religion, colonization, work, leisure, and family. Key themes include cultural interactions and the place of objects in the creation of memory.

**HY341 Hy US - Vietnam War**

Hours 3

Survey of the historical background of the conflict in Indochina leading to U.S. involvement and its consequences.

**HY342 US from WWI to WWII**

Hours 3

This is a survey of U.S. history from World War I to World War II with an emphasis on the role of politics, popular culture, and economic change.

**HY345 Race and Science**

Hours 3

Race and Science examines the diverse interactions between science and race from the 18th century to the present era of human genomics. The class looks both at the scientific study of race and the impact of racial concepts on science. These interactions have given us: Nazi medicine, American eugenics, the Tuskegee experiments, and "race specific" contemporary pharmaceuticals. By the end of this course, students will have the opportunity to write (with consultation) a publishable-quality essay on one aspect of this important issue in history and bioscience ethics.

**HY346 Epidemics! A History of Medicine**

Hours 3

The history of medicine is the history of disease. Plague, bloody flux, yellow fever, the flu, cholera, ebola, smallpox, AIDS — at one time or another, each of these terms inspired terror. They've entered our otherwise flourishing civilizations and, like a wildfire, cut down men, women, children, rich, poor, religious, non-believers, even the healers themselves. Like phantoms, they disappeared as fast as they came; but once introduced to these mysterious visitors, no society remained unchanged. In this history of medicine, we examine six major epidemics over the last three thousand years. We'll then turn to three epidemics of the present: cancer, healthcare-associated infections, and bioterrorism. How have humans responded to these threats? How has medicine adapted, if it has? What are our triumphs and when have we been unable to stop our invisible adversaries?.

**HY348 The History of Games**

Hours 3

The goal of this course is to use games as a primary source, a "window" into portions of the human experience at various times and places, and to incorporate experiential learning by adding gameplay and rule discussion to scholarly readings and class discussion. Students will study a series of specific games and the societies which produced them, focusing on games which involve mastery of rules and chance rather than on contests of physical skill or endurance.

**HY349 History of France 1760-present**

Hours 3

This course examines major trends in the social, cultural, economic and political history of modern France. Major themes include: republicanism and citizenship, nationalism, daily life, war, class conflict, consumerism, imperialism, the arts and gender.

**HY351 The First Amendment**

Hours 3

This course explores the evolution of the First Amendment throughout American legal history from its creation in the 18th century to the digital age. Major themes will include free speech law, slander and libel law, the "establishment" and "free exercise" clauses, the legal boundaries of public protest, and how these things have changed over time.

**HY352 The Right to Privacy**

Hours 3

This course explores the history of the right to privacy in the United States from the Gilded Age to the Digital Age. Major themes include the evolution of privacy law, tabloid journalism, physical surveillance, private property, data collection, sexual privacy, the "privacy vs. security" debate, and the relationship between privacy and technology.

**HY353 Digital History**

Hours 3

This course examines the conceptual foundations of digital history and offers a survey of its practices. Historians and public historians rely on digital methods for research, analysis, and presentation, thus the importance for a foundational class for emerging practitioners. Though not exhaustive, the course will familiarize students with tools and methods for collection and preservation of digital records; for public history interpretation and storytelling on the web; for textual and spatial analysis; and for thinking critically about issues of design, usability, and accessibility.

**HY354 Southern Queer History**

Hours 3

Delving deep into the manuscript collections at the University of Alabama and Birmingham Public Library, students reconstruct the struggle for rights, visibility, and sexual equality for queer students at universities across Alabama. Combining in-class readings with rarely-seen primary sources and taking oral histories of the early leaders of the queer civil rights movement, students shed new light on the birth and development of this fight for equality. Their findings have been presented at Queer Alabama, a website that documents the queer civil rights movement at The University of Alabama.

**HY355 German History Sc 1740**

Hours 3

*No description available***HY356 The Holocaust: History and Memory**

Hours 3

This class examines the origins and meanings of the "Holocaust" through the emergence of anti-Semitism and scientific racism in the nineteenth century; European nationalism and imperialism and early forms of genocide; the history of Jewish assimilation in Europe; the ramifications of Great War; the rise of Nazism; World War II and the "twisted road to Auschwitz." The final phase of the course addresses the subject of "coming to terms with the past" in several national contexts.

**HY357 World War I**

Hours 3

The war to end all wars," from the European crises culminating at Sarajevo in 1914 to peacemaking at Versailles in 1919, with emphasis on the western and eastern fronts and on the war at sea.

**HY358 World War II**

Hours 3

The global conflict, or series of conflicts, from Manchukuo in 1931 to Tokyo Bay in 1945, with emphasis on battles on land and sea and in the air, life on the home fronts and in enemy-occupied areas, and the legacy of the war to future generations. Writing proficiency within this discipline is required for a passing grade in this course.

**HY361 Russia to 1894**

Hours 3

Political history of Russia from the ninth to the 19th centuries, followed by social and cultural history of the Russian revolutionary movement.

**HY362 Russia-Soviet Union since 1894**

Hours 3

Crisis in Russian society and the coming of the Revolution; the emergence of Stalinism; and political developments since World War II, including the disintegration of the Soviet system.

**HY364 Christianity and its Discontents, from Paul to Luther**

Hours 3

This course is a history of Christianity from its origins in the Jewish ministry of Jesus of Nazareth and the writings of Paul in the Roman Empire to the outbreak of the Reformations, Protestant and Catholic, in the sixteenth century. It will focus primarily on the story of Christianity in the Mediterranean and Western Europe, in the context of broader historical developments in both the Byzantine and Islamic worlds, with occasional glances as well to wider global contexts. At the center of the course is the question of how Christian belief and practice both reflected and shaped the broader processes of historical change of which it was a part, and how complex and contested questions of doctrine, practice, authority, and interpretation could be throughout this religion's first millennium and a half.

**HY365 European Consumer Society**

Hours 3

This course explores the evolution of modern Europe's consumer society from the 18th century to the present to understand how changing patterns of consumption fostered new relationships between individuals and the material world.

**HY366 Modern Britain, 1700-2015**

Hours 3

This course explores the most important social, economic and political developments in the Britain since the beginning of the eighteenth century. It covers topics including Britain's century-long conflict with France in the 1700s, the rise of industrial society, Victorian ideas and attitudes, British feminism, the rise and fall of the British Empire, the emergence of the Labour Party and British socialism, the impact of the two world wars, and postwar political and social changes.

**HY367 Honors Modern Britain, 1700-2015***UH*

Hours 3

This course explores the most important social, economic and political developments in the Britain since the beginning of the eighteenth century. It covers topics including Britain's century-long conflict with France in the 1700s, the rise of industrial society, Victorian ideas and attitudes, British feminism, the rise and fall of the British Empire, the emergence of the Labour Party and British socialism, the impact of the two world wars, and postwar political and social changes.

University Honors

**HY368 From Columbus to Castro: Caribbean History Since 1492**

Hours 3

Conquistadors! Planters! Pirates! Indians! Enslaved Africans! Religious Reformers! Independence Leaders! Radical Revolutionaries! Together these people built a new world – a world forged at the intersection of imperial ambitions and international contact, where the peoples and cultures of the Americas, Africa, and Europe collided. This class examines how colonialism, plantation slavery, the age of abolition, and the emergence of national independence movements made the modern Caribbean.

**HY370 A History of the Atlantic World, 1400-1800**

Hours 3

In what ways did the Atlantic Ocean resemble an early-modern super-highway, moving people, ideas, and products across its waters? How did the individuals who shaped this world – rebellious slaves, elite planters, Aztec emperors, wayward sailors, Kongolese kings, infamous pirates and radical revolutionaries – contribute to the creation of this vibrant and dynamic world? A History of the Atlantic World answers these questions by tracing four centuries of interactions among Europeans, Africans and Native Americans, from the first European forays down the west coast of Africa in the fifteenth century, to the turbulent Age of Revolutions at the close of the eighteenth century.

**HY371 History of Brazil**

Hours 3

Why study Brazil? This South American nation is the fifth largest in the world in both geography and population. It is now home to the sixth largest economy in the world (surpassing the United Kingdom in 2013). Brazil is also a nation rich in racial, cultural, and linguistic diversity. In many ways, Brazil's history of slavery, plantation agriculture, immigration, and industrialization offer a compelling distant mirror for understanding the trajectory of U.S. history and the rest of the Americas. In this class we will explore themes of gender, immigration, racial identity, industrialization, modernization, state formation, and dictatorship and democracy.

**HY372 The History of Brazil through Film**

Hours 3

Home to the largest film and television industry in Latin America, this course examines the racial, cultural, geographical, biological, and linguistic history of Brazil through film.

**HY373 Environmental History of the Americas**

Hours 3

This course examines the environmental history of the Americas from pre-contact to the modern day, with the aim of understanding the ways in which humans have adapted to and transformed American landscapes, ecologies, and eco-systems. From the last ice age to the modern-day Anthropocene, human societies have profoundly shaped and been shaped by the environment of the Americas.

**HY374 Caribbean Pirates in History and Popular Culture**

Hours 3

This course will introduce students to the basic history of the rise and fall of Caribbean piracy in the early modern period, paying attention at the international context in which Caribbean piracy first appeared in the 16th century, its impact in European competition for land and resources in the Americas, and its ultimate decline in the 18th century, as European nations banded together against piracy and its threat over colonial possessions and intercolonial and transatlantic trade.

**HY377 Mexico since 1810**

Hours 3

This course will explore Mexican Independence, the Constitution of 1824, Santa Anna, revolutions in the 19th and 20th centuries, and contemporary Mexico.

**HY378 Drugs, Booze, and Mexican Society**

Hours 3

This course is a hybrid survey of Mexican history since conquest, the history of the US-Mexican border, and a view of that history through the lens of drug production, consumption, and influence on Mexican society and US-Mexican relations. In short, the goal of this course is to impart an understanding of drugs as embedded in Mexican social, political, economic, and cultural contexts, providing students with a view from the Mexican side of the border. Alcohol and marijuana will be the focus of the course, but other substances will enter into certain readings throughout the semester. An important theme in this course is to answer the question "What are the origins of today's War on Drugs?" In addition, the course will endeavour to provide a broader, international context for the development and use of intoxicants and the drug trade, both legal and illegal.

**HY379 History of Modern Argentina**

Hours 3

From the time of its incorporation into the Spanish Empire, the land now known as Argentina has held out the promise of fabulous wealth and opportunity. This potential made Argentina the foremost destination of European immigrants to Latin America in the nineteenth and twentieth centuries, during which time it became one of the wealthiest nations in the world. Many Argentines have anxiously awaited the day when their nation would be included among the ranks of "first world" or "civilized" nations, and they take great pride in their adoption and adaptation of European culture. However, Argentina's history has not always been so rosy. Political violence, economic catastrophe, and social unrest define the modern Argentine experience as much as economic prosperity, industrialization, and the development of a rich and dynamic culture. From the gauchos (Argentine cowboys) of the vast Pampas to the smoke-filled tango parlors, immigrant tenements, and factories of Buenos Aires, Argentina offers a fascinating case for examining the creation and sustainment of identity and nationality in Latin America.

**HY382 Early Modern Britain**

Hours 3

England was transformed during the early modern period. In the sixteenth century, England saw the Reformation, the beginnings of the British Empire, the educational revolution, the rise of humanism, the growth of the state, the last feudal rebellions, and the explosion of urbanization; then, divided by a civil war that pitted monarch against Parliament, seventeenth-century England saw the foundation of institutions and ideas that shape our world to this day. We will study some of the most compelling figures of British history: the insatiable Henry VIII and his brilliant daughter, Elizabeth I; the driven Oliver Cromwell and the 'merry monarch' Charles II; writers like Shakespeare, Milton, Margaret Cavendish, and Aphra Behn; explorers Walter Raleigh and Francis Drake; thinkers such as Thomas More, Francis Bacon, Thomas Hobbes, and John Locke; But we will also look at larger social and cultural forces that shaped early modern England, including the rise of literacy, a sharpening economic stratification, new understandings of magic and witchcraft, gender roles, the growth of the common law system, and the politics of migration.

**HY383 Honors Early Modern Britain**

UH

Hours 3

England was transformed during the early modern period. In the sixteenth century, England saw the Reformation, the beginnings of the British Empire, the educational revolution, the rise of humanism, the growth of the state, the last feudal rebellions, and the explosion of urbanization; then, divided by a civil war that pitted monarch against Parliament, seventeenth-century England saw the foundation of institutions and ideas that shape our world to this day. We will study some of the most compelling figures of British history: the insatiable Henry VIII and his brilliant daughter, Elizabeth I; the driven Oliver Cromwell and the 'merry monarch' Charles II; writers like Shakespeare, Milton, Margaret Cavendish, and Aphra Behn; explorers Walter Raleigh and Francis Drake; thinkers such as Thomas More, Francis Bacon, Thomas Hobbes, and John Locke; But we will also look at larger social and cultural forces that shaped early modern England, including the rise of literacy, a sharpening economic stratification, new understandings of magic and witchcraft, gender roles, the growth of the common law system, and the politics of migration. What Makes This an Honors Class? This course will ask students to make big connections about a critical time in history. We will examine some of the seminal texts in Anglo-American culture, and we will study foundational changes in British and American law, politics, and society. More than anything, though, this class will push you to answer the why questions about this history: why did people assent to the Reformation? Why did a Civil War break out? And, perhaps most importantly, why was this question so important: which do you fear more, tyranny or anarchy? In doing so, students will be asked to do extra, independent research for all essay questions. They will also be asked to write a reflective piece at the end of the course about these very questions.

University Honors

**HY384 Ancient Egypt Near East**

Hours 3

Ancient Egypt Near East.

**HY385 History Of Greece**

Hours 3

*No description available***HY386 History Of Rome**

Hours 3

*No description available*



**HY388 The Crusades**

Hours 3

This course explores, from multiple perspectives, the troubled medieval marriage of religion and violence known as “the crusades.” It offers not only an overview of the traditional, largely military narrative of “numbered” crusades. It also explores the broader view – the general context of “holy war” down to c. 1100; tensions between the ideal and reality of crusading; the social and cultural impact of the crusades, for good and ill; the Muslim perception of the “Franj” as both invaders and neighbors, and the long afterlife of the crusades down through the early modern period. Later sessions of the course then turn to the range of contested historiographical issues that have characterized the study of the crusades in recent years. There are no pre-requisites for the course, though completion of our introductory Western Civilization course (HY 101/105) would be helpful.

**HY391 Medieval Britain**

Hours 3

Medieval England sounds to us like a time of legend: knights, castles, and chivalry. This course will look beyond the myth to examine the complicated world of medieval politics, society, and culture. Course topics will include religion and devotion; family life; death, disease, and epidemic (including the Black Death); popular politics and rebellion (including the Peasants Revolt); feudalism and feudal culture; Magna Carta and the creation of Parliament’ conflict with France; crusades; Wars of the Roses; and the crisis of monarchy. In sum, we will focus on medieval British history from Alfred the Great to the dawn of the Tudors (c. 850-c.1485). We will talk about Chaucer and Richard III and Eleanor of Aquitaine—but we will also discuss everyday life in medieval England. At its core, this course will investigate a period of history that is central to enduring institutions and long-lasting myths alike.

**HY392 Honors Medieval Britain***UH*

Hours 3

This course will look beyond the myths of knights and roundtables to examine the complicated world of medieval politics, society, and culture. Course topics will include religion and devotion; family life; death, disease, and epidemic; popular politics and rebellion; feudalism and feudal culture; Magna Carta and the creation of Parliament’ conflict with France; crusades; Wars of the Roses; and the crisis of monarchy.

University Honors

**HY393 British Emp & Commonwealth**

Hours 3

By the 1920s, the British Empire stretched over nearly a quarter of the Earth’s surface and governed nearly a quarter of its entire population. This course will examine the formation and dissolution of the British Empire from its earliest expansions into Ireland to the complicated process of decolonization that continues to this day. Topics covered will include world exploration, settlement formation, imperial warfare, consumption practices and luxury goods, imperial culture, slavery, migration and immigration, and the effect of empire on today’s world. From Ireland to Barbados, Virginia to India, Iraq to Canada, Australia to South Africa, students will explore the ways in which the British Empire shaped and was shaped by world history.

**HY401 History of History***W*

Hours 3

This class covers the basics of historiographical theory, unpacking all of the ways that scholars have attempted to understand the purpose of history, what drives it, and how to do it. Students will read and write on some of the greatest philosophers of history: from ancient cuneiform to Thucydides in Greece and Ibn Khaldun in the Middle East to the Enlightenment thinkers, Kant and Voltaire, to the 19th century iconoclasts, Marx and Mill, to the professionalization of the field with von Ranke and the modern challenges of Arendt, Debord, Barthes, Geertz, Foucault, Fanon, Said, and Crenshaw. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY404 Modern China since 1600**

Hours 3

Survey of Chinese history in the Ch’ing Dynasty and the 20th century with emphasis on 19th- and 20th-century events.

**HY405 Topics in European History***W*

Hours 3

This course covers a range of special topics in European history at the advanced undergraduate level. Normally taught as a relatively small course (enrollment of c. 25), it will emphasize close reading of primary sources, class discussion, and research and writing, including an series of extensive formal writing projects (usually a research paper of c. 10-15 pages). Topics will vary by instructor but will include major themes in medieval, early-modern, and modern European civilization. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY406 Topics in American History***W*

Hours 3

This course covers a range of special topics in American history at the advanced undergraduate level. Normally taught as a relatively small course (enrollment of c. 25), it will emphasize close reading of primary sources, class discussion, and research and writing, including an series of extensive formal writing projects (usually a research paper of c. 10-15 pages). Topics will vary by instructor but will include major themes in American history. Also note that writing proficiency for this discipline is required for a passing grade in this course. Even if all other requirements are met, failure to meet the History Department’s writing standards will result in a failing grade.

Writing

**HY407 Topics in Latin American, Asian, Middle Eastern, and African History**

W

Hours 3

This course covers a range of special topics in Latin American, Asian, Middle Eastern, and African history at the advanced undergraduate level. Normally taught as a relatively small course (enrollment of c. 25), it will emphasize close reading of primary sources, class discussion, and research and writing, including an series of extensive formal writing projects (usually a research paper of c. 10-15 pages). Topics will vary by instructor but will include major themes in the world civilizations. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY409 Amer Rev/New Nation**

W

Hours 3

The development of revolutionary sentiment in the North American colonies, the resulting revolution, and the subsequent efforts to establish the new nation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY411 Comp. Slavery & Emancipation**

Hours 3

Explores the development of slavery and the struggles for emancipation in the Americas 1400-1900. Focusing on how race, gender and region shaped experiences.

**HY414 Morality and Social Change in American History**

W

Hours 3

This course examines the moral frameworks that Americans have used to understand—and to change—their society. Focusing on the major movements for social change that have shaped American society, this course will investigate the way that Americans thought about issues such as slavery, animal cruelty, sex, family roles, labor, economics, war and citizenship, and civil rights. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY415 Sinners and Saints in American History**

W

Hours 3

This course studies the historical gap between Americans' behavior and their moral and spiritual aspirations for themselves. How did this gap shape how Americans understood—or challenged—their society? What did it mean to be a good or bad person? What counted as sin at particular points in time? Why did Americans care about some kinds of wrongdoing more than about others? Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY418 Slavery, Freedom, and Authority**

W

Hours 3

American freedom took shape amid slavery. This course traces the interconnected histories of slavery, family life, politics, and American thought to help better understand the evolution of Americans' ideas about freedom, independence, and authority. This course explores the role of concepts—and institutions—of freedom and slavery, dependence and independence, and autonomy and authority in shaping American thought, values, and institutions from the seventeenth to twentieth centuries. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY419 Alabama Memories: Lynchings in Alabama**

W

Hours 3

This course, sponsored by the Summersell Center for the Study of the South, is organized around discussing and researching the history of lynching and its public remembrance in the American South, with a particular focus on Alabama and its central and western counties. Building on the research into lynching recently pioneered by the Equal Justice Initiative based in Montgomery, Alabama, students will strive to understand how these events of racial violence emerged in the South and how men and women subsequently recalled them. In particular, students will explore what different southerners have chosen to remember and to forget. Throughout the course the role of class, gender, sexuality, and racial ideology in shaping collective memory will be emphasized. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY423 North American Borderlands: A Comparative History**

Hours 3

This course begins with the Age of European Exploration, but the major focus will be on U.S.-Canadian, U.S.-Mexican, and Native American borderlands beginning with the 16th Century. Even though borderlands are frequently located at the peripheries of empires and nations, they play a major—and often overlooked—role in shaping how centers of national power—major cities, state governments, and national capitols—have defined their relation to issues such as territorial expansions, sovereignty, immigration, labor, community formation, and race and ethnicity. As a comparative course, we will address multiple themes, including legal regimes in the borderlands, inter-American power relations, immigration, citizenship, human rights, and sovereignty; intercultural and racial mixture and conflict; nationalism, transnationalism, and internationalism; openings and closing of borders; and the multiple meanings and locations of borderlands, making this course appropriate not only for students of history, but also of anthropology, sociology, and political science.

**HY424 American Thought Before 1860**

W

Hours 3

American intellectual/cultural history to 1860. Includes changing ideas about society, politics, morality, science, nature, religion, gender and race. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY432 Beyond Pocahontas: Gender and Native Americans**

W

Hours 3

Explores contact between Native Americans and Europeans in the early Americas through attention to gender, stressing the diversity of Native life ways. This course fulfills the A&S “W” or writing-intensive designation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY439 Foundations in Public History**

W

Hours 3

In this course, you will absorb readings, participate in discussions, and undertake hands-on work that will begin your engagement with the field of public history. By the end of the course, you will be familiar with major debates that engage public historians; the professional workplaces of public historians; new directions in the field; and the ways in which we accomplish our goal of working in partnership with stakeholders to make the past accessible to public audiences. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY440 Public History Internship**

Hours 3

This course provides a practical introduction to public history work via an internship. Public History internships offer an opportunity for students to apply knowledge gained through their academic training in history and public history to a meaningful, practical work experience under the mentorship of experienced and knowledgeable public history professionals.

Prerequisite(s): HY 439 OR Instructor approval

**HY441 Theory and Practice of Oral History**

W

Hours 3

The purposes of this course are twofold: to expose students to the theory, major conceptual themes, and methodologies that oral historians use to frame and implement their work, and to hone skills as an oral history practitioner. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY442 The Middle Ages**

W

Hours 3

Foundations of the modern world in barbarian Europe: retreat into the countryside and private government, recovery of public institutions, money economy, and cultural vitality. This course carries a W designation. As such, writing proficiency is required for a passing grade. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY443 Renaissance**

W

Hours 3

Study of intellectual movements associated with the Renaissance, including readings in Machiavelli’s Prince, More’s Utopia, and other humanist writings; social life, economy, religion, politics, and statecraft. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY444 Reform & Counter-Reformation**

W

Hours 3

History of the separation of the Catholic and Protestant churches from the ideal of the universal Christian church and late medieval religious practice. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY446 Age of Reason 1715-89**

W

Hours 3

This course examines the history of Enlightenment Europe from the seventeenth to the nineteenth centuries. We study Locke, Rousseau, Kant, Adam Smith, and Voltaire— as well as Catherine the Great, Benjamin Franklin, and Thomas Jefferson. Topics covered will include popular resistance and protest; the influence of science and rationality; the role of women in the Enlightenment; absolutism and liberty; and the life of the mind. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY448 Women in Europe since 1750**

Hours 3

This course surveys women's lives in Europe from 1750 to the present. Themes explored include: identity construction, power relationships, domesticity, class, war, consumerism and sexuality.

**HY455 The Darwinian Revolution**

W

Hours 3

Though it is often believed to begin with Charles Darwin, Evolutionary Theory has a history dating back to the seventeenth century. In this course we will focus on this history from those early beginnings century through modern genetics and epigenetics. Along with Charles Darwin himself, we will explore the contributions of other well-known scientists, such as Lamarck, Charles Lyell, T. H. Huxley, Gregor Mendel, and T. H. Morgan. Additionally, we will familiarize ourselves with the ideas of less well known but important individuals whose theories are crucial for understanding the development of evolutionary theory and the shaping of Darwin's legacy. Throughout the course, we will also examine their contributions in specific historical contexts, pausing to pay particular attention to social responses to the developing theory of Darwinism. Ultimately, we will leave with a fuller understanding of and a greater appreciation for what we now term "evolutionary theory." Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Written assignments will require coherent, logical, and carefully edited prose. Students will be required to demonstrate higher-level critical thinking skills.

Writing

**HY457 The Russian Revolution, 1790-1945**

W

Hours 3

This course covers Russia's revolutionary history from Peter the Great to Stalin. We examine the Russian autocratic system that planted the seeds of revolution, the early thinkers who sought moderate solutions, and the turn to radicalism that led to the Russian Revolution. We examine the role of the Enlightenment in shaping Russia's future and the causes and consequences of the Russian Revolution in world history. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY460 The Warren Court**

W

Hours 3

Spanning 1953-1969, the Warren Court handed down numerous landmark decisions on crucial social and political issues such as civil rights, free speech, the rights of the accused, police powers, reproductive rights, professional sports monopolies, and the right to privacy. This course examines the legal history of the Warren Court and its decisions from *Brown v. Board of Education* (1954) through *Brandenburg v. Ohio* (1969). Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY461 Great Cases in the History of Slavery**

W

Hours 3

This course examines the legal history of slavery through the statutes and court cases that shaped its development in Europe's American empires. Comparing and contrasting practices in British, Spanish, French, and Portuguese contexts, it will focus both on the ways that enslavement was imposed on people of Native American and African descent, and on the ways that enslaved individuals used legal systems to challenge their bonded status, and in the institution of slavery itself. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY462 Great Cases in Modern French Legal History**

W

Hours 3

This course examines important legal cases in 19th and 20th century France. Students will participate in a weekly 2.5 hour seminar where they will read and discuss assigned materials. Students will complete weekly writing assignments and present on a case of their choosing at the end of the semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY472 Latin American Seminar**

W

Hours 3

This course examines the question of what defines Latin America, the Caribbean, and Latinx communities; how that formulation has developed over time; and what exactly is meant now and historically by "Latin American, Caribbean, and Latinx Studies." Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course."

Writing

**HY473 Indians, Nuns, and Rogues: Cities in Colonial Latin America**

W

Hours 3

This course explores the features that defined the Spanish world during this period by focusing on the most significant urban spaces in the Spanish world and their citizens. We will learn about larger demographic, social, cultural, and environmental issues that affected, and sometimes defined, the Spanish empire as a whole. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY474 Relation US Latin Amer**

W

Hours 3

Chronological survey of diplomatic, economic, and cultural relations, with emphasis on the 20th century. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY477 Imperial Spain's "Golden Age"**

W

Hours 3

This course provides a view of the politics, society, and culture of the Spanish empire from 1450 to 1700. It examines Spain's rise and fall as a global power and its "Golden Age", a time of high accomplishments by artists, writers, and playwrights. It traces the history of Iberian society in the western Mediterranean, the roots of the Spanish empire, its impact on Europe, and the Americas. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY478 The Spanish Conquest of the Americas**

W

Hours 3

This course will be dedicated to analyze the early processes of Spanish colonization in the Americas and their clash against Native American polities. We will focus mainly in the cases of Mexico and Peru, and the ways in which Spaniards and American indigenous societies confronted each other, the cultural assumptions they brought to these encounters, and how these assumptions affected the outcome. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY480 Survey of Military History**

Hours 3

Introduction to the ways in which human beings have organized and used armed force over the course of recorded history.

**HY481 War/Dipl. in Med & Mod. Europe**

W

Hours 3

This course examines developments in European warfare and diplomatic practice in the late medieval and early modern periods. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY482 War & Religion in the West**

W

Hours 3

This course examines the complex interrelationships between religion and armed conflict in the Western tradition from the ancient world into modern times. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY483 Thirty Years' War***W*

Hours 3

This course explores the background, events, and consequences of the Thirty Years' War that raged in the center of Europe from 1618 to 1648. We will examine not only the history of the war itself, but also the multiple controversies that continue to divide scholars over the causes, nature, and significance of the conflict. Readings will include both primary and secondary sources. This is also a Writing (W) designated course. This means that the ability to write coherent, logical, and carefully edited prose is one of the conditions for passing the course. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY490 England under Tudors***W*

Hours 3

Development of an early modern state: establishment of a strong central monarchy, religious crises from the Reformation to the Puritan movement, and exuberance and excess of an expanding society. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY491 England under Stuarts***W*

Hours 3

How Englishmen of the 17th century worked out the great questions of their day: Was liberty compatible with strong government? Could English elites share power without destroying it? What did God want for England? Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY494 Britain in the Victorian Age***W*

Hours 3

Britain at her apogee: possessor of the empire on which the sun never set, world economic leader, nation of Peel and Palmerston, Gladstone and Disraeli, Dickens and Trollope, Tennyson and Browning, Turner and Constable. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY495 Honors Britain in the Victorian Age***UH, W*

Hours 3

In 1815, the Pax Britannica that concluded the Napoleonic wars enabled the most prosperous and powerful century in the history of Britain. This class will examine the industrial revolution and colonial Britain, the life of Queen Victoria, the rise of class conflict, the Luddites, the Chartists, the New Model Unionists, and the agricultural laborers' union, the new Labour party, and the move towards The Great War. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

University Honors, Writing

**HY497 Capstone Research Seminar***W*

Hours 3

This course offers students extensive training in historical research methods and writing. It will normally culminate in a 15 page research paper based on primary source materials, as well as an oral presentation. Instructors may also choose to offer a range of equivalent alternatives at their discretion. In all events the course will offer students a rewarding opportunity to practice the craft of historical research. A grade of C or higher is required for credit in the major. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HY498 Honors Thesis I***UH*

Hours 3

Independent research and writing to produce a senior honors thesis in history.

University Honors

**HY499 Honors Thesis II***UH, W*

Hours 3

History 499 is the writing portion of the History honors thesis course sequence. Students taking HY 499 will have completed HY 498, Honors Thesis I, in which they will have selected and researched a topic in conjunction with their advising professor. Individual requirements may vary, but all honors theses will be based on original primary source research, and typically are about fifty pages/fourteen thousand words in length. The thesis will demonstrate advanced writing and research ability for the undergraduate level. Per the University designation for Writing courses, Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. In order to complete the course, two professors other than the professor of record must read and approve the final thesis.

Prerequisite(s): HY498 OR HY430

University Honors, Writing

**IDMD100 Convocation**

Hours 1

The McCollough Scholars cohort gathers to converse with speakers on various aspects of the medical profession.

Prerequisite(s): Membership in the McCollough Pre-Medical Scholars Program

**IDMD101 Medical Foundations I***HU, UH*

Hours 3

The practice of medicine is as old as civilization. This course studies fundamental questions about the shifting conceptions of health and disease, and how that affects our conception of physicians, remedies, mental sickness, and societal responses to sickness. The course will address these questions from an interdisciplinary perspective drawing on key texts from a wide variety of perspectives. The course is divided into three sections: history & philosophy of medicine, medicine & society, and medicine & culture.

Prerequisite(s): IDMD 100

Humanities, University Honors

**IDMD102 Medical Foundations II***SB, UH*

Hours 3

The practice of medicine is as old as civilization. This course deals primarily with study of human behavior in the context of medicine and the social and cultural aspects of medical practice. The course addresses large scale questions about the psychological and sociological factors that affect medical judgement, the complex interplay between culture, race, and medicine; and the multifaceted personal, interpersonal, and organizational questions relating to aging and death.

Prerequisite(s): IDMD 100 & IDMD 101

Social and Behavioral Sciences, University Honors

**IDMD400 Senior Convocation**

Hours 1

Senior McCollough Scholars gathers to converse with speakers on various aspects of the medical profession.

Prerequisite(s): IDMD 100, IDMD 101, and IDMD 102

**IDMD401 Capstone Seminar**

Hours 3

The Capstone Seminar is an intensive study of an aspect of the medical profession followed by a presentation of McCollough Scholars' senior projects. The topics will vary depending on the professor's area of expertise.

Prerequisite(s): IDMD 100, IDMD 101, and IDMD 102

**IT101 Introductory Italian I***FL, HU*

Hours 4

This course is the first semester of college-level study in Italian. Emphasis is placed on the development of oral proficiency and listening skills, reading comprehension, writing skills, analysis of grammatical structures, and an understanding of Italian culture and society.

Foreign Language, Humanities

**IT102 Introductory Italian II***FL, HU*

Hours 4

Five hours of instruction per week. The course is the second semester of college-level language study. Offered each semester.

Prerequisite(s): IT 101 or IT 105 with a grade of C- or instructor permission

Foreign Language, Humanities

**IT105 Honors Introductory Italian I***FL, HU, UH*

Hours 4

This course is the first semester of college-level study in Italian. Emphasis is placed on the development of oral proficiency and listening skills, reading comprehension, writing skills, analysis of grammatical structures, and an understanding of Italian culture and society.

Foreign Language, Humanities, University Honors

**IT201 Intermediate Italian I***HU*

Hours 3

Through the study of language (reading, writing, listening and speaking), in this course students will develop a new perspective on Italian culture, values, and civilization. Class discussions will center especially on the cultural, historical, and social fabric of Italy, and the values and ethics of language learning and cultural exchange. Students will also hone their ability to evaluate cultural products at an aesthetic level; alongside film clips, artistic masterpieces, musical compositions, and journalistic essays, among other forms, students will read and evaluate a work of contemporary prose fiction.

Prerequisite(s): IT 102 with a grade of C- or higher or instructor permission

Humanities

**IT202 Intermediate Italian II***HU*

Hours 3

Through the study of language (reading, writing, listening and speaking), in this course students will develop a new perspective on Italian culture, values, and civilization. Class discussions will center especially on the cultural, historical, and social fabric of Italy, and the values and ethics of language learning and cultural exchange. Students will also hone their ability to evaluate cultural products at an aesthetic level; alongside film clips, artistic masterpieces, musical compositions, and journalistic essays, among other forms, students will read and evaluate a work of contemporary prose fiction, Gianni Rodari's *Favole al telefono*.

Prerequisite(s): IT 201 with a grade of C- or instructor permission

Humanities

**IT323 Introduction to Italian Cinema**

W

Hours 3

This course provides a chronological overview of the history of Italian cinema from WW2 to the present. We will survey the major Italian film movements, including Neorealism, *commedia all'italiana*, and the Spaghetti Western, as well as the work of key filmmakers of the period. Through the analysis of cinematic tools and techniques, and the study of the historical and geo-political contexts of the films in the course, students will refine their skills in critical thinking and film analysis, while learning more about Italian culture and history. The course is in English and the films shown are in Italian with English subtitles. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**IT330 Violence in Rome across the Ages: Literature, Art, Film, Spectacle**

Hours 3

Rome is a city with a glorious but bloodied past. From the gladiator arenas of the ancient empire to the terrorism of the 1970s, from predictions of the city's divine castigation to the futurists' desire to symbolically blow the place up, the history of Rome across the centuries has been one peppered with violence of diverse forms, motivations, and consequences. In this class, students will approach the major periods and problems of Roman history (antiquity, the Middle Ages, the Renaissance and the Roman Inquisition, the Napoleonic era, the Interbellum period, Nazi occupation, and the era of modern terrorism) through the lens of brutality as a historical, social, literary, and artistic phenomenon in Rome and the regions that fell under its control. Combining close readings of literary texts and the study of artistic, performative, and musical works and film, along with the consideration of select scholarly histories, students will explore the different shapes violence takes and why, from the legendary, spectacular, and aesthetic to the religious and apocalyptic, from war, authoritarianism, torture, and terrorism to satire and regeneration. Taught in English.

**IT335 The Italian Mafia: History, Literature and Film**

Hours 3

From its local origins in Sicily, the Mafia has become a global phenomenon and a widespread model of organized crime that threatens and corrupts the international economy, political systems, and social environments. Although its power and underworld activities affect legal business, control illegal traffic, and trample human rights, a romanticized and even heroic vision of the Mafia nevertheless persists in film, television, and literature. This class explores the history of the Mafia and efforts to combat it from the nineteenth century until today, setting the realities of organized crime against the representations of it found in American and Italian movies, novels, and media. We will not only challenge the stereotypes through which cultural productions envision the Mafiosi but also, and more importantly, we will explore how the Mafiosi envision the world. Taught in English.

**IT352 Italian Conversation - Study Abroad**

Hours 3

This course focuses on the development of conversational skills through group discussion, oral presentations, vocabulary building, and other related activities. It is taught at the Leonardo Da Vinci School in Florence, Italy. The Leonardo Da Vinci School is licensed by the Italian Ministry of Education and recognized by the Region of Tuscany as a Professional Training Center.

Prerequisite(s): IT 102 and/or permission of the instructor.

**IT353 Italian Conversation**

Hours 3

Development of conversational skills through role-playing, oral presentations, and vocabulary building. May be taken once in Italy (IT 352) and once on campus (IT 353).

Prerequisite(s): IT 202 with a grade of C- or instructor permission

**IT354 ADVANCED GRAMMAR AND COMPOSITION – STUDY ABROAD**

Hours 3

This is a combined writing theory and writing skills course focusing upon more advanced notions of Italian grammar and on the development of techniques for written expression. It is taught at the Leonardo Da Vinci School in Florence, Italy.

Prerequisite(s): IT 102 and/or permission of the instructor.

**IT356 Adv Grammar Composition**

Hours 3

A combined writing theory and writing skills course focusing upon more advanced notions of Italian grammar and on the development of techniques for written expression. May be taken once in Italy (IT 354) and once on campus (IT 356).

Prerequisite(s): IT 202 with a grade of C- or instructor permission

**IT361 Intro Romance Linguistic**

Hours 3

Introduction to linguistic science and its use in describing language in general and the Romance languages in particular.

Prerequisite(s): No prerequisite because this course is taught in English.

**IT364 Masterpieces of Italian Literature in Translation: From the Middle Ages to Early Modernity**

L

Hours 3

This course traces Italian literature and thought from its origins to early modernity (13th-17th centuries). Through a broad spectrum of genres (poetry, epic, short stories, letters, comedy, treatises, dialogue, librettos), it examines questions of love, sin, beauty, power, appearance, truth, deception, and civility. By analyzing major moments in intellectual history, from the composition of Dante's *Inferno* to the birth of humanism to the scientific revolution, this class also considers the role and importance of the liberal arts and suggests that in these centuries literature, art, music, theater, philosophy, history, and science were interwoven disciplines proper to man's understanding of self and society.

Literature



**IT380 Special Topics**

Hours 3

May be repeated for credit if subject matter varies.

Prerequisite(s): IT 353 or IT 356 with a grade of C- or instructor permission.

**IT480 Undergraduate Seminar**

Hours 3

The subject matter varies. Intensive study of one or more significant subjects, authors, periods, works, or genres not studied in depth in other courses. May be repeated for credit. Offered according to demand.

Prerequisite(s): IT 380, or instructor permission.

**JA101 Elementary Japanese I***FL, HU*

Hours 4

Five hours of instruction per week. Acquisition of elementary Japanese language skills in listening, speaking, reading, and writing.

Foreign Language, Humanities

**JA102 Elementary Japanese II***FL, HU*

Hours 4

Japanese 102 is the successor of Japanese 101, and it is designed for beginning learners. Students will learn vocabulary and sentence structures for use in essential daily situations through various forms of communicative practice. While continuing to develop students' communicative competence in Japanese, six cultural topics will be introduced and explored from each chapter of the textbook through short readings, lectures, and videos.

Prerequisite(s): JA 101

Foreign Language, Humanities

**JA201 Intermediate Japanese I***HU*

Hours 3

Japanese 201 is the successor of Japanese 102, and it is designed for intermediate learners. Students will learn vocabulary and sentence structures for use in essential daily situations through various forms of communicative practice. While continuing to develop students' communicative competence in Japanese, five cultural topics will be introduced and explored from each chapter of the textbook through short readings about planning trip in Japan, Japanese and marriage and Japanese host family, lectures, and videos about Japanese famous sightseeing places. A continuation of JA 102.

Prerequisite(s): JA 102

Humanities

**JA202 Intermediate Japanese II***HU*

Hours 3

A continuation of JA 201.

Prerequisite(s): JA 201

Humanities

**JA301 Third Year Japanese I**

Hours 3

A continuation of JA 202. The course is for students who have a comprehensive grammatical knowledge and are already able to communicate in Japanese. Students will work in this class to improve the accuracy and authenticity of socially correct communication of Japanese. The instructor conducts the class extensively in Japanese whenever possible, and English explanations of the expressions will be minimal. Students are required to communicate entirely in Japanese in class.

Prerequisite(s): Complete/earn a grade of C or higher in JA202

**JA302 Third Year Japanese II**

Hours 3

A continuation of JA 301.

Prerequisite(s): Complete a grade of C or higher in JA 301 or consent of instructor

**JA356 Traditional Japanese Lit Trans***W*

Hours 3

Introduction to Japanese literature from the earliest times through the Tokugawa period. No knowledge of Japanese is required. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**JA357 Japanese Literature & Film**

Hours 3

Introduction to modern Japanese literature and movie from the Meiji period to the present. No knowledge of Japanese is required. Students will learn historical/technical aspects, and will develop critical thinking skills based on the reading of Japanese stories and viewing of Japanese films and understand the value of Japanese literature, artistic concept in cultural context.

**JA390 Topics Japanese Studies**

Hours 3

Discussion and research of various topics related to Japanese language/culture. Topics may change each semester, such as KANJI, or traditional and modern Japanese culture including theatrical arts, music, and religious thoughts of Japan. With permission of the program director, this course may be applied toward the Japanese minor.

**JA410 4 Yr Read/Write Japanese**

Hours 3

A continuation of JA 302 with emphasis on development of reading and writing skills.

Prerequisite(s): Earn a grade of C or higher in JA 302 or consent of instructor.

**JA411 4th Year Spoken Japanese**

Hours 3

A continuation of JA 410 with emphasis on development of reading and writing skills.

Prerequisite(s): Earn a grade of C or higher in JA 410 or consent of instructor

**JA481 Directed Readings**

Hours 1-4

The purpose of the course is for students who have an advanced level of proficiency in Japanese to obtain a higher level of Japanese reading and writing ability (equivalent to ##### 1#). The instructor will conduct the class in Japanese except for the study of translation / interpretation. Students are required to read short novels, newspaper articles, journals, and stories for specified topics, and discuss in Japanese during the class meetings. Also students write papers in Japanese.

Prerequisite(s): Complete/earn a grade of B- or higher in JA 411.

**JA482 Directed Readings**

Hours 1-4

The purpose of the course is for students who have an advanced level of proficiency in Japanese to obtain a higher level of Japanese reading and writing ability (equivalent to ##### 1#). The instructor will conduct the class in Japanese except for the study of translation / interpretation. Students are required to read short novels, newspaper articles, journals, and stories for specified topics, and discuss in Japanese during the class meetings. Also required is the writing of papers in Japanese.

Prerequisite(s): JA481 or consent of instructor

**KOR101 Elementary Korean***FL*

Hours 3

Contemporary Korean: speaking, reading, and writing. Course involves directed-self-instructional approach in the Critical Languages Center. Students are required to study the textbook and practice with assigned audio visual materials (CDs, DVDs, or computer files). Students have practice sessions three hours per week with a "language trainer" who is a native/near native (or superior level) speaker of the language. Native speakers of this language cannot take this course. Any students with background knowledge of this language must see the CLC director for permission before registering. Not repeatable without permission of the CLC director. Offered each semester. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Foreign Language

**KOR102 Elementary Korean***FL*

Hours 3

Contemporary Korean: speaking, reading, and writing. Course involves directed self-instructional approach in the Critical Languages Center. Students are required to study the textbook and practice with assigned audio visual materials (CDs, DVDs, or computer files). Students have practice sessions three hours per week with a "language trainer" who is a native/near native/superior-level speaker of the language. Not repeatable without permission of the CLC director. Offered each semester. This is a SUPERVISED-SELF-STUDY class. The language "trainer" will help students develop their communicative ability during class meetings. During the sessions students will actively participate in practicing spoken language to acquire better pronunciation and conversation skills. English use will be kept to a minimum in class. Language trainers will monitor active participation throughout the semester by use of the STUDENT PERFORMANCE SHEET reports which will be sent to the director of the CLC. Regular class attendance and participation is required. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): KOR 101

Foreign Language

**KOR201 Intermediate Korean**

Hours 3

Continuation of Korean language on the intermediate level. Emphasis is on the development of reading skills and writing proficiency. Offered according to demand. Not repeatable without permission of the CLC director. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): KOR 102

**KOR202 Intermediate Korean**

Hours 3

Continuation of KOR 201. Emphasis is on the development of reading skills and writing proficiency. Offered according to demand. Not repeatable without permission of the CLC director. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): KOR 201

**LA101 Elementary Latin I***FL, HU*

Hours 3

This is the first in a two-course sequence that will introduce the student to the fundamentals of Latin syntax and grammar, Roman thought and culture, and offer significant reading and translating practice. This course presumes that the student has little to no experience with the Latin language. The goal is to learn Latin not just for its own sake but as a means to gain insight into how the Romans lived and thought. Additionally, students will examine the following throughout the course: the influence of the Latin language and Roman authors throughout literature into the Middle Ages and Renaissance, English derivatives of Latin vocabulary, foundational grammar in romance languages, and modern uses in literature, religion, philosophy, law, and science.

Foreign Language, Humanities

**LA102 Elementary Latin II**

FL, HU

Hours 3

This is the second in a two-course sequence that will introduce the student to the fundamentals of Latin syntax and grammar, Roman thought and culture, and offer significant reading and translating practice. This course presumes that students will only have the experience gained in LA 101 with the Latin language. The goal is to learn Latin not just for its own sake but as a means to gain insight into how the Romans lived and thought. Additionally, students will examine the following throughout the course: the influence of the Latin language and Roman authors throughout literature into the Middle Ages and Renaissance, English derivatives of Latin vocabulary, foundational grammar in romance languages, and modern uses in literature, religion, philosophy, law, and science.

Prerequisite(s): LA 101

Foreign Language, Humanities

**LA201 Intermed Latin Read I**

HU

Hours 3

This course provides an introduction to reading Latin prose texts, with a focus on reviewing and applying the rules of Latin grammar that students learned in Latin 101-102/high school Latin to the reading of original, unadapted Latin texts. Understanding of grammar and syntax will be emphasized throughout. Readings for this semester will focus on the Carthaginian general Hannibal, Rome's greatest enemy, who invaded Italy during the Second Punic War (218-201 BC). Students will read from Eutropius, who in the 4th century AD discussed Hannibal in his *Breviarium* ("Abridgement" of Roman History); and a biography of Hannibal by Cornelius Nepos, written in the 1st century BC. This will allow students to compare and contrast depictions of Hannibal over a range of centuries and discuss how he is understood by different authors.

Prerequisite(s): LA 102 or equivalent (usually at least 3 years of high school Latin with an average of B or better).

Humanities

**LA202 Intermed Latin Read II**

HU

Hours 3

Selected readings from Latin literature. Offered in the spring semester.

Prerequisite(s): LA 201

Humanities

**LA301 Survey Lit Roman Republ**

Hours 3

Readings in Latin literature to the time of Julius Caesar. Offered in the fall semester.

**LA302 Survey Lit Of Empire**

Hours 3

Selected readings in later Roman literature. Offered in the spring semester.

**LA490 Readings In Latin Literature**

Hours 3

The subject matter varies. May be repeated for credit. Offered according to demand.

Prerequisite(s): LA 301 or LA 302

**LAS401 Introduction to Latin American, Caribbean, and Latinx Studies**

W

Hours 3

An interdisciplinary introduction to the field of Latin American, Caribbean, and Latinx Studies and the capstone seminar to the LACLS minor. Students will develop significant research projects on varied topics. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**MATH005 Introductory Algebra**

Hours 3

Brief review of arithmetic operations and basic algebraic concepts: factoring, operations with polynomials and rational expressions, linear equations and word problems, graphing linear equations, simplification of expressions involving radicals or negative exponents, and elementary work with quadratic equations. Grades are reported as pass/fail.

**MATH100 Intermediate Algebra**

Hours 3

Prerequisites: Placement and two units of college-preparatory mathematics; if a student has previously been placed in MATH 005, a grade of "C-" or higher in MATH 005 is required. Intermediate-level course including work on functions, graphs, linear equations and inequalities, quadratic equations, systems of equations, and operations with exponents and radicals. The solution of word problems is stressed. NOT APPLICABLE to UA Core Curriculum mathematics requirement. Grades are reported as A, B, C or NC (No Credit).

Prerequisite(s): UA Math Placement Test Score of 190-309 or ACT Math Subscore of 18 or old SAT Math Subscore of 440 or new SAT Math Subscore of 480 or MATH 005

**MATH110 Finite Mathematics**

MA

Hours 3

This course is intended to give an overview of topics in finite mathematics with applications. This course covers mathematics of finance, logic, set theory, elementary probability and statistics. This course does not provide sufficient background for students who will need to take Precalculus Algebra or Calculus.

Prerequisite(s): UA Math Placement Test Score of 190-600 or ACT Math Subscore of 18 or old SAT Math Subscore of 440 or new SAT Math Subscore of 480 or a C- or higher in MATH 100

Mathematics

**MATH112 Precalculus Algebra**

MA

Hours 3

A higher-level course emphasizing functions including polynomial functions, rational functions, and the exponential and logarithmic functions. Graphs of these functions are stressed. The course also includes work on equations, inequalities, systems of equations, the binomial theorem, and the complex and rational roots of polynomials. Applications are stressed. Grades are reported as A, B, C or NC (No Credit). Degree credit will not be granted for both MATH 115 and (MATH 112 or MATH 113).

Prerequisite(s): UA Math Placement Test Score of 310-439 or ACT Math Subscore of 24 or old SAT Math Subscore of 560 or new SAT Math Subscore of 580 or C- or higher in MATH 100

Mathematics

**MATH113 Precalculus Trigonometry**

MA

Hours 3

Continuation of MATH 112. The course includes study of trigonometric functions, inverse trigonometric functions, trigonometric identities and trigonometric equations. Complex numbers, De Moivre's Theorem, polar coordinates, vectors and other topics in algebra are also addressed, including conic sections, sequences and series. Grades are reported as A, B, C or NC (No Credit). Degree credit will not be granted for both MATH 115 and (MATH 112 or MATH 113).

Prerequisite(s): C- or higher in MATH 112

Mathematics

**MATH115 Precalc Algebra & Trig**

MA

Hours 3

Properties and graphs of exponential, logarithmic, and trigonometric functions are emphasized. Also includes trigonometric identities, polynomial and rational functions, inequalities, systems of equations, vectors, and polar coordinates. Grades are reported as A, B, C, or NC (No credit). Degree credit will not be granted for both MATH 115 and (MATH 112 or MATH 113).

Prerequisite(s): UA Math Placement Test Score of 370-439 or ACT Math Subscore of 28 or old SAT Math Subscore of 630 or new SAT Math Subscore of 650

Mathematics

**MATH121 Calculus & Applications**

MA

Hours 3

A brief overview of calculus primarily for students in the Culverhouse College of Commerce and Business Administration. This course does not provide sufficient background for students who will need higher levels of Calculus. Note: This course does not satisfy the requirement for MATH 125 or 126. Degree credit will not be granted for both MATH 121 and MATH 125 or MATH 145.

Prerequisite(s): UA Math Placement Test Score of 440-600 or ACT Math Subscore of 30 or old SAT Math Subscore of 680 or new SAT Math Subscore of 710 or a C- or higher in MATH 112 or MATH 115.

Mathematics

**MATH125 Calculus I**

MA

Hours 4

This is the first of three courses in the basic calculus sequence. Topics include the limit of a function; the derivative of algebraic, trigonometric, exponential, and logarithmic functions; and the definite integral. Applications of the derivative are covered in detail, including approximations of error using differentials, maxima and minima problems, and curve sketching using calculus. There is also a brief review of selected precalculus topics at the beginning of the course. Degree credit will not be granted for both MATH 121 and MATH 125 or MATH 145.

Prerequisite(s): C- or higher in MATH 113 and C- or higher in MATH 112; or C- or higher in MATH 115

Mathematics

**MATH126 Calculus II**

MA

Hours 4

This is the second of three courses in the basic calculus sequence. Topics include vectors and the geometry of space, applications of integration, integration techniques, L'Hopital's Rule, improper integrals, parametric equations, polar coordinates, conic sections and infinite series.

Prerequisite(s): C- or higher in MATH 125 or C- or higher in MATH 145

Mathematics

**MATH145 Honors Calculus I**

MA, UH

Hours 4

This course covers the same material as MATH 125 but in a depth appropriate for honors students. It is the first course in the three part honors calculus sequence for students majoring in mathematics, science or engineering. Topics include limits, continuity, differentiation, applications of differentiation, and integration. Applications of the derivative are covered in detail, including approximation of errors using differentials, maxima and minima problems, curve sketching, optimization problems, and Newton's method. Topics on integration include Riemann sums, properties of definite integrals, integration by substitution and integrals involving logarithmic exponential and trigonometric functions.

Prerequisite(s): ACT Math Subscore of 32 or old SAT Math Subscore of 730 or new SAT Math Subscore of 760 or a B- or higher in (MATH 112 and MATH 113) or MATH 115

Mathematics, University Honors

**MATH146 Honors Calculus II**

MA, UH

Hours 4

This course covers the same material as MATH 126 but in a depth appropriate for honors students. It is the second course in the three part honors calculus sequence for students majoring in mathematics, science or engineering. Topics include vectors and the geometry of space, L'Hospital's Rule, applications of integration, integration techniques, improper integrals, infinite series, conic sections, plane curves, parametric equations, and polar coordinates.

Prerequisite(s): A grade of B- or higher in MATH 125 or MATH 145 or a score of 4 or 5 on AP Calculus AB or a score of 4 or 5 on AP Calculus BC: AB Subscore.

Mathematics, University Honors

**MATH208 Number And Operations**

Hours 3

This course is the first of a three-course sequence designed to develop deeper understanding of elementary school mathematics content needed for teaching. The course topics include whole numbers and integers, fractions, ratio, percent, decimals and arithmetic operations within these systems. The goal of the course is to develop conceptual understanding (instead of just procedural understanding) of the number systems and operations by focusing on basic concepts and principles, exploring multiple representations and strategies, and illuminating connections among concepts and procedures. The content knowledge needed for teaching will be reinforced by engaging in inquiry-based activities, analyzing children's ways of thinking, focusing on explanation and communication of underlying mathematical principles when solving problems, and using appropriate manipulative and technology.

Prerequisite(s): C- or higher in MATH 100 or C- or higher in MATH 112 or C- or higher in MATH 113 or C- or higher in MATH 125 or ACT Math Subscore of 22 or new SAT Math Subscore of 540

**MATH209 Geometry & Measurement**

Hours 3

Properties of two- and three-dimensional shapes, rigid motion transformations, similarity, spatial reasoning, and the process and techniques of measurement. Class activities initiate investigations of underlying mathematical structure in the exploration of shape and space. Emphasis is on the explanation of the mathematical thought process. Technology specifically designed to facilitate geometric explorations is integrated throughout the course.

Prerequisite(s): C- or higher in MATH 208

**MATH210 Data Analysis for Elementary Teachers**

Hours 3

Data analysis, statistics, and probability, including collecting, displaying/representing, exploring, and interpreting data, probability models, and applications. Focus is on statistics for problem-solving and decision making, rather than calculation. Class activities deepen the understanding of fundamental issues in learning to work with data. Technology specifically designed for data-driven investigations and statistical analysis related to elementary school teaching is integrated throughout the course.

Prerequisite(s): C- or higher in MATH 208

**MATH227 Calculus III**

MA

Hours 4

This is the third of three courses in the basic calculus sequence. Topics include: vector functions and motion in space; functions of two or more variables and their partial derivatives; and applications of partial derivatives (including Lagrange multipliers), quadric surfaces, multiple integration (including Jacobian), line integrals, Green's Theorem, vector analysis, surface integrals and Stokes' Theorem.

Prerequisite(s): C- or higher in MATH 146 or C- or higher in MATH 126

Mathematics

**MATH237 Introduction to Linear Algebra**

C

Hours 3

Fundamentals of linear algebra and matrix theory are covered. Topics include vectors in Euclidean spaces, solving systems of linear equations, matrix algebra, inverses, determinants, eigenvalues, and eigenvectors. Also vector spaces and the basic notions of span, subspace, linear independence, basis, dimension, linear transformation, kernel and range are considered. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): C- or higher in MATH 126 or C- or higher in MATH 146

Computer Science

**MATH238 Appld Diff Equations I**

C, MA

Hours 3

Introduction to analytic and numerical methods for solving differential equations. Topics include numerical methods and qualitative behavior of first order equations, analytic techniques for separable and linear equations, applications to population models and motion problems; techniques for solving higher order linear differential equations with constant coefficients (including undetermined coefficients, reduction of order, and variation of parameters), applications to physical models; the Laplace transform (including initial value problems with discontinuous forcing functions). Use of mathematics software is an integral part of the course. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): C- or higher in MATH 126 or C- or higher in MATH 146

Computer Science, Mathematics

**MATH247 Honors Calculus III**

MA, UH

Hours 4

This course covers the same material as MATH 227 but in a depth appropriate for honors students. It is the third course in the three part honors calculus sequence for students majoring in mathematics, science or engineering. Topics include analytic geometry in space, vector-valued functions and motion in space, functions of two or more variables and their partial derivatives, applications of partial differentiation (including Lagrangian multipliers), quadric and cylindrical surfaces, and multiple integration (including Jacobian) and applications, line integrals, Green's Theorem, curl and divergence, surface integrals, and Stokes' Theorem.

Prerequisite(s): A grade of B- or higher in MATH 126 or MATH 146 or a score of 4 or 5 on AP Calculus BC exam.

Mathematics, University Honors

**MATH301 Discrete Mathematics**

W

Hours 3

An introduction to mathematical logic and proof within the context of discrete structures. Topics include basic mathematical logic, elementary number theory, basic set theory, functions, and relations. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MATH 125 or MATH 145

Writing

**MATH311 Introduction to Scientific Computing and Problem Solving**

Hours 3

An introduction to using computer algorithms to solve mathematical problems, such as data analysis, visualization, numerical approximation and simulation. Basic programming concepts, such as variables, statements, loops, branches, functions, data structures, and debugging will be introduced in Python. A brief introduction to MATLAB tools for handling vectors, matrices, and vectorizing codes for performance, will be discussed as well in the later portion of the course. Some advanced mathematical and computational topics may be offered at the discretion of instructor.

Prerequisite(s): MATH 237 and (CS 100 OR CS 110 OR CS 223 OR CS 322 OR AEM 249 or MIS 221 OR ECE 285 OR RRS 101)

**MATH343 Appl Diff Equations II**

Hours 3

Continuation of Appl Diff Equations I (Math 238) and is designed to equip students with further methods of solving differential equations. Topics include initial value problems with variable coefficients, methods of infinite series, two-point boundary value problems, wave and heat equations, Fourier series, Sturm-Liouville theory, phase plane analysis, and Liapunov's second method.

Prerequisite(s): C- or higher in MATH 238

**MATH355 Theory Of Probability**

Hours 3

The foundations of the theory of probability, laws governing random phenomena and their practical applications in other fields. Topics include: probability spaces; properties of probability set functions; conditional probability; and an introduction to combinatorics, discrete random variables, expectation of discrete random variables, Chebyshev's Inequality, continuous variables and their distribution functions, and special densities.

Prerequisite(s): C- or higher in MATH 227 or C- or higher in MATH 247

**MATH371 Advanced Linear Algebra**

Hours 3

Topics include inner product spaces, norms, self adjoint and normal operators, orthogonal and unitary operators, orthogonal projections and the spectral theorem, bilinear and quadratic forms, generalized eigenvectors, and Jordan canonical form.

Prerequisite(s): C- or higher in MATH 237 and C- or higher in MATH 301

**MATH403 Algebraic Structures for Secondary Teachers**

Hours 3

Explore the interconnections between the algebraic, analytic, and geometric areas of mathematics with a focus on properties of various number systems, importance of functions, and the relationship of algebraic structures to solving analytic equations. This exploration will also include the development and sequential nature of each of these branches of mathematics and how it relates to the various levels within the algebra mathematics curriculum.

Prerequisite(s): C- or higher in MATH 237 and C- or higher in MATH 301

**MATH404 Topics Math Secondary Teachers**

Hours 1

This is a seminar style course focusing on various mathematical topics related to the high school curriculum. Topics will vary depending upon instructor.

Prerequisite(s): MATH 301

**MATH405 Geometry for Secondary Teachers**

Hours 3

This course will give an overview of geometry from a modern point of view. Axiomatic, analytic, transformational, and algebraic approaches to geometry will be used. The relationship between Euclidean geometry, the geometry of complex numbers, and trigonometry will be emphasized.

Prerequisite(s): C- or higher in MATH 403

**MATH409 Data Analysis for Secondary Teachers**

Hours 3

Concepts and techniques of posing questions and collecting, analyzing, and interpreting data. Topics include: univariate and bivariate statistics, probability, simulation, confidence intervals and hypothesis testing.

Prerequisite(s): C- or higher in MATH 125 and C- or higher in MATH 355

**MATH410 Numerical Linear Algebra**

Hours 3

Further study of matrix theory, emphasizing computational aspects. Topics include direct solution of linear systems, analysis of errors in numerical methods for solving linear systems, least-squares problems, orthogonal and unitary transformations, eigenvalues and eigenvectors, and singular value decomposition.

Prerequisite(s): C- or higher in MATH 311

**MATH411 Numerical Analysis I**

Hours 3

Credit will not be granted for both MATH 411 and MATH 300. An introduction to numerical methods. Topics include numerical methods for solving nonlinear equations; iterative methods for solving systems of equations; approximations and interpolations; numerical differentiation and integration; and numerical methods for solving initial value problems for ordinary differential equations.

Prerequisite(s): C- or higher in MATH 238 and C- or higher in MATH 311

**MATH412 Numerical Analysis II**

Hours 3

This is the second course in the numerical analysis sequence for senior students in mathematics, science, or engineering. Topics include numerical methods for solving boundary value problems, ordinary differential equations, and partial differential equations, multistep methods for initial value problems, and approximation theory (least-squares problems, fast Fourier Transforms).

Prerequisite(s): C- or higher in MATH 343 and C- or higher in MATH 411

**MATH420 Linear Optimization Theory**

Hours 3

This course is an introduction to theory of linear programming (focused on development of theory and algorithms with only a limited coverage of examples and applications), a basic component of optimization theory. Topics include: basic theory (fundamental theorem of LP, equivalence of basic feasible solutions and extreme points, duality and sensitivity results), simplex algorithm and its variations, and special applications to transportation and network problems. Non-simplex methods are also briefly introduced.

Prerequisite(s): C- or higher in (MATH 227 or MATH 247) and C- or higher in MATH 311

**MATH421 Non-Linear Optimization Theory**

Hours 3

This course is an introduction to nonlinear programming. Topics will include necessary and sufficient conditions for optimality, as well as basic theory and numerical algorithms for several traditional optimization methods, e.g., basic descent methods, conjugate direction methods, quasi-Newton methods, penalty and barrier methods, Lagrange multiplier methods. A brief introduction to selected modern topics may be added if time permits.

Prerequisite(s): C- or higher in (MATH 227 or MATH 247) and C- or higher in MATH 311

**MATH422 Mathematics For Finance I**

Hours 3

Topics include the basic no-arbitrage principle, binomial model, time value of money, money market, risky assets such as stocks, portfolio management, forward and future contracts, and interest rates.

Prerequisite(s): (MATH 227 or MATH 247) and MATH 355

**MATH441 Boundary Value Problems**

Hours 3

Methods of solving the classical second-order linear partial differential equations: Laplace's equation, the heat equation, and the wave equation, together with appropriate boundary or initial conditions. Usually offered in the fall semester.

Prerequisite(s): C- or higher in MATH 343

**MATH451 Math Stats W/Applictn I**

Hours 3

Introduction to mathematical statistics. Topics include bivariate and multivariate probability distributions, functions of random variables, sampling distributions and the central limit theorem, concepts and properties of point estimators, various methods of point estimation, interval estimation, tests of hypotheses and Neyman-Pearson lemma with some applications.

Prerequisite(s): C- or higher in MATH 237 and C- or higher in MATH 355

**MATH452 Math Stats W/Applictn II**

Hours 3

Further applications of the Neyman-Pearson Lemma, Likelihood Ratio tests, Chi-square test for goodness of fit, estimation and test of hypotheses for linear statistical models, analysis of variance, analysis of enumerative data, and some topics in nonparametric statistics.

Prerequisite(s): C- or higher in MATH 451

**MATH457 Stochastic Processes I**

Hours 3

Introduction to the basic concepts and applications of stochastic processes. Markov chains, continuous-time Markov processes, Poisson and renewal processes, and Brownian motion. Applications of stochastic processes including queueing theory and probabilistic analysis of computational algorithms.

Prerequisite(s): C- or higher in MATH 355

**MATH460 Intro Differential Geom**

Hours 3

Introduction to basic classical notions in differential geometry: curvature, torsion, geodesic curves, geodesic parallelism, differential manifold, tangent space, vector field, Lie derivative, Lie algebra, Lie group, exponential map, and representation of a Lie group. Usually offered in the spring semester.

Prerequisite(s): A grade of C- or higher in each of MATH 227, MATH 237, and MATH 301

**MATH465 Intro General Topology**

Hours 3

Basic notions in topology that can be used in other disciplines in mathematics. Topics include topological spaces, open sets, basis for a topology, continuous functions, separation axioms, compactness, connectedness, product spaces, quotient spaces.

Prerequisite(s): MATH 486

**MATH466 Intro Algebraic Topology**

Hours 3

Homotopy, fundamental groups, covering spaces, covering maps, and basic homology theory, including the Eilenberg Steenrod axioms.

Prerequisite(s): MATH 465

**MATH470 Prin Modern Algebra I**

Hours 3

A first course in abstract algebra. Topics include groups, cyclic groups, non-abelian groups, Lagrange's theorem, subgroups, cosets, homomorphisms, isomorphisms, rings.

Prerequisite(s): C- or higher in MATH 237 and C- or higher in MATH 301

**MATH471 Prin Modern Algebra II**

Hours 3

An introduction to ring theory. Topics include rings, polynomial rings, matrix rings, modules, fields and semi-simple rings. Usually offered in the fall semester.

Prerequisite(s): C- or higher in MATH 470

**MATH485 Intro Complex Variables**

Hours 3

Some basic notions in complex analysis. Topics include analytic functions, complex integration, infinite series, contour integration, and conformal mappings.

Prerequisite(s): C- or higher in MATH 227 or C- or higher in MATH 247

**MATH486 Introduction to Real Analysis I**

Hours 3

Rigorous development of the calculus of real variables. Topics include the topology of the real line, sequences and series, limits, limit suprema and infima, continuity, and differentiation.

Prerequisite(s): C- or higher in MATH 301

**MATH487 Introduction to Real Analysis II**

Hours 3

A continuation of Math 486. Topics include Riemann integration, sequences and series of functions, uniform convergence, power series, Taylor series. Optional topics may include the Riemann-Stieltjes integration, Weierstrass Approximation Theorem and the Arzela-Ascoli Theorem, metric spaces, multi-variable calculus.

Prerequisite(s): C- or higher in MATH 486

**MATH495 Seminar Directed Reading**

Hours 1-3

Offered as needed.

**MATH499 Undergraduate Research Experience**

Hours 1-3

Independent or collaborative research experience in mathematics.

**MDGR101 Elementary Modern Greek***FL, HU*

Hours 3

Introduction to Modern Greek language &amp; culture.

Foreign Language, Humanities

**MDGR102 Elementary Modern Greek***FL, HU*

Hours 3

Contemporary modern Greek speaking, reading and writing.

Prerequisite(s): MDGR 101 with a minimum grade of C-

Foreign Language, Humanities

**MDGR201 Intermed Modern Gr**

Hours 3

Continuation of modern Greek on the intermediate level. Emphasis is on the development of reading skills and writing proficiency. Not repeatable without permission of the CLC director. Offered according to demand.

Prerequisite(s): MDGR 102 with a minimum grade of C-.

**MDGR202 Intermed Modern Greek**

Hours 3

Continuation of MDGR 201. Emphasis is on the development of reading skills and writing proficiency. Not repeatable without permission of the CLC director. Offered according to demand.

Prerequisite(s): Students should have successfully completed MDGR 201 or equivalent and received a minimum grade of C-.

**MS304 Marine Geology**

Hours 4

Credit earned in this course may not be applied to the requirements of the biological sciences major or minor. Field sampling techniques, laboratory analysis of sediments, topography, sediments, and history of the world oceans.

**MS306 Marine Biology**

Hours 4

Survey of the invertebrates, vertebrates, and marine plants as communities, with emphasis on local examples.

**MS408 Marine Invertebrate Zoology**

Hours 4

Comparative study of the major marine invertebrate phyla, protozoa through protochordates. The focus is on their morphology, physiology, ecology, and phylogenetic relationships.

**MS419 Marine Ecology**

Hours 4

Bioenergetics, community structure, population dynamics, predation, competition, and specialization in marine ecosystems.

**MS433 Coastal Zone Management**

Hours 2

Review of ecological features, physical management policies for coastal communities, and a description of relevant federal and state programs.



**MS448 Intro Oceanography**

Hours 4

A general introduction to the oceans, with emphasis on chemical, physical, and geological processes and their relation to biological systems.

**MS452 Marine Vertebrate Zoology**

Hours 4

Systematics, zoogeography, and ecology of marine vertebrates.

**MS453 Marine Botany**

Hours 4

Reproduction, taxonomy, systematics, distribution, and ecology of the major marine plant groups.

**MS497 Special Topics**

Hours 1-4

A marine science topic not covered in other courses. The credit hours and format are determined as appropriate to the topic. Offered according to demand and instructor availability.

**MUA010 Music Convocation**

Hours 0

Music Convocation.

**MUA100 Class Voice Beginning**

Hours 1

*No description available*

**MUA118 Trumpet Ensemble**

Hours 1

Applied performance ensemble for trumpet students at the undergraduate level.

**MUA119 Studio Ensemble**

Hours 0-1

Studio ensemble is a lab ensemble. The group will rehearse and perform in the Bryant Jordan Recording Studio. The format will be a recording session. Each rehearsal will have a new piece that the students must learn and record within the constraints of a standard time-sensitive recording session, a la film score, jingle, CD backing musician, etc.

**MUA121 Class Piano I**

Hours 1

*No description available*

**MUA122 Class Piano II**

Hours 1

*No description available*

**MUA123 Class Piano III**

Hours 1

*No description available*

**MUA124 Class Piano IV**

Hours 1

*No description available*

**MUA127 Horn Choir**

Hours 1

Applied ensemble for horn students at the undergraduate level.

**MUA128 Tuba and Euphonium Ensemble**

Hours 1

Applied ensemble for tuba and euphonium students at the undergraduate level.

**MUA131 Piano (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA132 Organ (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA133 Harpsichord (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA134 Voice (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA135 Violin (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA136 Viola (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA137 Cello (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA138 Double Bass (Non-Majors)**

Hours 0.5-1

Double bass study for non-majors.

**MUA139 Flute (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA140 Oboe (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA141 Bassoon (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA142 Clarinet (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA143 Saxophone (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA144 Trumpet (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA145 French Horn (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA146 Trombone (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA147 Euphonium (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA148 Tuba (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA149 Percussion (Non-Majors)**

Hours 0.5-1

*No description available*

**MUA150 Huxford Symphony Orchestra**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA151 Brass Choir**

Hours 0-1

Applied ensemble for brass musicians. Permission of instructor is required.

**MUA152 Wind Ensemble**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA153 Marching Band**

Hours 1

Applied Ensemble at the undergraduate level.

**MUA154 Symphonic Band**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA155 Trombone Choir**

Hours 0-1

Applied ensemble for trombone students at the freshmen level.

**MUA156 Percussion Ensemble**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA157 Concert Band**

Hours 0-1

Applied ensemble at the undergraduate level.

**MUA158 Contemporary Ensemble**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA159 Jazz Ensembles**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA160 Opera Workshop**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA161 Opera Production**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA162 University Chorus**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA163 University Singers**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA164 Chamber Choir**

Hours 1

The Alabama Chamber Choir is a mixed choral ensemble primarily conducted by advanced University of Alabama undergraduate choral music education students. Chamber Choir will afford all choristers the opportunity to peruse a broad spectrum of choral ensemble music, most of which will be suitable for programming in a traditional public school choral music setting. While experiencing breadth of repertoire will be a key philosophical component of Chamber Choir, high quality choral performance will drive the methodology. In that regard, student directors, through collaboration with the instructor, will prepare and conduct one selection in an authentic performance setting.

**MUA165 Flute Choir**

Hours 0-1

Applied ensemble for flute students at the undergraduate level.

**MUA166 Piano Ensemble I**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA167 Jazz Combo**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA168 Treble Chorus**

Hours 1

Applied Ensemble at the undergraduate level.

**MUA169 Chamber Music**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA170 Harp (Majors)**

Hours 1-4

*No description available*

.

**MUA171 Piano (Majors)**

Hours 1-4

*No description available*

.

**MUA172 Organ (Majors)**

Hours 1-4

*No description available*

.

**MUA173 Jazz Bass- Electric and Double (Majors)**

Hours 1-4

Applied jazz bass lessons for music majors only.

**MUA174 Voice (Majors)**

Hours 0.5-4

Voice study at the freshman and sophomore levels for music majors.

**MUA175 Violin (Majors)**

Hours 1-4

*No description available*

.

**MUA176 Viola (Majors)**

Hours 1-4

*No description available*

.

**MUA177 Cello (Majors)**

Hours 1-4

*No description available*

.

**MUA178 Double Bass (Majors)**

Hours 1-4

Double bass study at the undergraduate level for music majors.

**MUA179 Flute (Majors)**

Hours 1-4

*No description available*

.

**MUA180 Oboe (Majors)**

Hours 1-4

*No description available*

.

**MUA181 Bassoon (Majors)**

Hours 1-4

*No description available*

.

**MUA182 Clarinet (Majors)**

Hours 1-4

*No description available*

.

**MUA183 Saxophone (Majors)**

Hours 1-4

*No description available*

.

**MUA184 Trumpet (Majors)**

Hours 1-4

*No description available*

.

**MUA185 French Horn (Majors)**

Hours 1-4

*No description available*

.

**MUA186 Trombone (Majors)**

Hours 1-4

*No description available*

.

**MUA187 Euphonium (Majors)**

Hours 1-4

*No description available*

.

**MUA188 Tuba (Majors)**

Hours 1-4

*No description available*

.

**MUA189 Percussion (Majors)**

Hours 1-4

*No description available*

.

**MUA190 Guitar (Majors)**

Hours 1-4

*No description available*

**MUA191 Practicum Applied Music**

Hours 0-3

This course is an extension of Marching Band activities in the Fall semesters for the Spring semesters.

**MUA192 Tenor and Bass Chorus**

Hours 1

Applied Ensemble at the undergraduate level.

**MUA199 Sophomore Qualifying**

Hours 0

*No description available*

**MUA218 Trumpet Ensemble**

Hours 1

Applied performance ensemble for trumpet students at the undergraduate level.

**MUA219 Studio Ensemble**

Hours 0-1

Studio ensemble is a lab ensemble. The group will rehearse and perform in the Bryant Jordan Recording Studio. The format will be a recording session. Each rehearsal will have a new piece that the students must learn and record within the constraints of a standard time-sensitive recording session, a la film score, jingle, CD backing musician, etc.

**MUA220 Beginning Class Guitar**

Hours 2

Basics guitar techniques, especially accompanying self and ensembles with a variety of strumming and picking patterns relevant to music therapy clinical practice.

Prerequisite(s): co-requisite: MUS 180

**MUA227 Horn Choir**

Hours 1

Applied ensemble for horn students at the undergraduate level.

**MUA228 Tuba and Euphonium Ensemble**

Hours 1

Applied ensemble for tuba and euphonium students at the undergraduate level.

**MUA229 Guitar (Secondary)**

Hours 0.5-1

Applied guitar lessons as a secondary instrument for music majors only.

**MUA230 Jazz Bass- Electric and Double (Secondary)**

Hours 0.5-1

Applied jazz bass lessons as a secondary instrument for music majors only.

**MUA231 Piano (Secondary)**

Hours 0.5-1

Applied lessons for music students majoring in another discipline.

**MUA232 Organ (Secondary)**

Hours 0.5-1

Applied lessons for music students majoring in another discipline.

**MUA233 Harpsichord (Secondary)**

Hours 0.5-1

Applied lessons for music students majoring in another discipline.

**MUA234 Voice (Secondary)**

Hours 0.5-1

Applied lessons for music students majoring in another discipline.

**MUA235 Violin (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA236 Viola (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA237 Cello (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA238 Double Bass (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA239 Flute (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA240 Oboe (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA241 Bassoon (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA242 Clarinet (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA243 Saxophone (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA244 Trumpet (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA245 French Horn (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA246 Trombone (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA247 Euphonium (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA248 Tuba (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA249 Percussion (Secondary)**

Hours 0.5-1

Applied Lessons for music majors of another discipline.

**MUA250 Huxford Symphony Orchestra**

Hours 0-1

Sophomore level ensemble.

**MUA251 Brass Choir**

Hours 0-1

Applied ensemble for brass musicians. Permission of instructor is required.

**MUA252 Wind Ensemble**

Hours 0-1

Sophomore level ensemble.

**MUA253 Marching Band**

Hours 1

Sophomore level ensemble.

**MUA254 Symphonic Band**

Hours 0-1

Sophomore level ensemble.

**MUA255 Trombone Choir**

Hours 0-1

Applied ensemble for trombone students at the sophomore level.

**MUA256 Percussion Ensemble**

Hours 0-1

Sophomore level ensemble.

**MUA257 Concert Band**

Hours 0-1

Applied Ensemble at the undergraduate level.

**MUA258 Contemporary Ensemble**

Hours 0-1

Applied ensemble focusing on music of the 20 and 21st centuries.

**MUA259 Jazz Ensemble**

Hours 0-1

Sophomore level ensemble.

**MUA260 Opera Workshop**

Hours 0-1

Sophomore level ensemble.

**MUA261 Opera Production**

Hours 0-1

Sophomore level ensemble.

**MUA262 University Chorus**

Hours 0-1

Sophomore level ensemble.

**MUA263 University Singers**

Hours 1

Sophomore level ensemble.

**MUA264 Chamber Choir**

Hours 1

The Alabama Chamber Choir is a mixed choral ensemble primarily conducted by advanced University of Alabama undergraduate choral music education students. Chamber Choir will afford all choristers the opportunity to peruse a broad spectrum of choral ensemble music, most of which will be suitable for programming in a traditional public school choral music setting. While experiencing breadth of repertoire will be a key philosophical component of Chamber Choir, high quality choral performance will drive the methodology. In that regard, student directors, through collaboration with the instructor, will prepare and conduct one selection in an authentic performance setting.

**MUA265 Flute Choir**

Hours 0-1

Applied ensemble for flute students at the undergraduate level.

**MUA266 Piano Ensemble**

Hours 0-1

Applied ensemble at the sophomore level for keyboard majors.

**MUA267 Jazz Combo**

Hours 0-1

Sophomore level ensemble.

**MUA268 Treble Chorus**

Hours 1

Applied Ensemble at the undergraduate level.

**MUA269 Chamber Music**

Hours 0-1

Sophomore level small ensemble.

**MUA270 Harp (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA271 Piano (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA272 Organ (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA273 Jazz Bass-Electric and Double (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA274 Voice (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA275 Violin (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA276 Viola (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA277 Cello (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA278 Double Bass (Majors)**

Hours 1-4

Double bass study at the undergraduate level for music majors.

**MUA279 Flute (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA280 Oboe (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA281 Bassoon (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA282 Clarinet (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA283 Saxophone (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA284 Trumpet (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA285 French Horn (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA286 Trombone (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA287 Euphonium (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA288 Tuba (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA289 Percussion (Majors)**

Hours 1-4

Applied lessons for music majors at the sophomore level.

**MUA290 Guitar (Majors)**

Hours 1-4

Applied study at the sophomore level for music majors.

**MUA292 Tenor and Bass Chorus**

Hours 1

Applied Ensemble at the undergraduate level.

**MUA299 Piano Proficiency**

Hours 0

*No description available*

**MUA318 Trumpet Ensemble**

Hours 1

Applied performance ensemble for trumpet students at the undergraduate level.

**MUA319 Studio Ensemble**

Hours 0-1

Studio ensemble is a lab ensemble. The group will rehearse and perform in the Bryant Jordan Recording Studio. The format will be a recording session. Each rehearsal will have a new piece that the students must learn and record within the constraints of a standard time-sensitive recording session, a la film score, jingle, CD backing musician, etc.

**MUA327 Horn Choir**

Hours 1

Applied ensemble for horn students at the undergraduate level.

**MUA328 Tuba and Euphonium Ensemble**

Hours 1

Applied ensemble for tuba and euphonium students at the undergraduate level.

**MUA350 Huxford Symphony Orchestra**

Hours 0-1

Applied ensemble at the junior level.

**MUA351 Brass Choir**

Hours 0-1

Applied ensemble for brass musicians. Permission of instructor is required.

**MUA352 Wind Ensemble**

Hours 0-1

Applied Ensemble at the junior level.

**MUA353 Marching Band**

Hours 1

Marching Band at the junior level.

Prerequisite(s): We are simply changing this from variable hours to 1. Thank you.

**MUA354 Symphonic Band**

Hours 0-1

Applied Ensemble at the junior level.

**MUA355 Trombone Choir**

Hours 0-1

Applied ensemble for trombone students at the junior level.

**MUA356 Percussion Ensemble**

Hours 0-1

Applied Ensemble at the junior level.

**MUA357 Concert Band**

Hours 0-1

Applied ensemble at the undergraduate level.

**MUA358 Contemporary Ensemble**

Hours 0-1

Applied Ensemble at the junior level.

**MUA359 Jazz Ensembles**

Hours 0-1

Applied ensemble at the junior level.

**MUA360 Opera Workshop**

Hours 0-1

Applied ensemble at the junior level.

**MUA361 Opera Production**

Hours 0-1

Applied ensemble at the junior level.

**MUA362 University Chorus**

Hours 0-1

Applied Ensemble at the junior level.

**MUA363 University Singers**

Hours 0-1

Applied Ensemble at the junior level.

**MUA364 Chamber Choir**

Hours 1

The Alabama Chamber Choir is a mixed choral ensemble primarily conducted by advanced University of Alabama undergraduate choral music education students. Chamber Choir will afford all choristers the opportunity to peruse a broad spectrum of choral ensemble music, most of which will be suitable for programming in a traditional public school choral music setting. While experiencing breadth of repertoire will be a key philosophical component of Chamber Choir, high quality choral performance will drive the methodology. In that regard, student directors, through collaboration with the instructor, will prepare and conduct one selection in an authentic performance setting.

**MUA365 Flute Choir**

Hours 0-1

Applied ensemble for flute students at the undergraduate level.

**MUA367 Jazz Combo**

Hours 0-1

Applied ensemble at the junior level.

**MUA368 Treble Chorus**

Hours 1

Applied Ensemble at the undergraduate level.

**MUA369 Chamber Music**

Hours 0-1

Applied ensemble in a small chamber group.

**MUA370 Harp (Majors)**

Hours 0.5-4

*No description available*

.

**MUA371 Piano (Majors)**

Hours 0.5-4

*No description available*

.

**MUA372 Organ (Majors)**

Hours 1-4

Applied organ study at the junior level.

**MUA373 Jazz Bass- Double and Electric (Majors)**

Hours 0.5-4

Applied lessons for music majors at the junior level.

**MUA374 Voice (Majors)**

Hours 0.5-4

*No description available*

.

**MUA375 Violin (Majors)**

Hours 0.5-4

*No description available*

.

**MUA376 Viola (Majors)**

Hours 0.5-4

*No description available*

.

**MUA377 Cello (Majors)**

Hours 0.5-4

*No description available*

.

**MUA378 Double Bass (Majors)**

Hours 0.5-4

Double bass study at the undergraduate level for music majors.

**MUA379 Flute (Majors)**

Hours 0.5-4

*No description available*

.

**MUA380 Oboe (Majors)**

Hours 0.5-4

*No description available*

.

**MUA381 Bassoon (Majors)**

Hours 0.5-4

*No description available*

.

**MUA382 Clarinet (Majors)**

Hours 0.5-4

*No description available*

**MUA383 Saxophone (Majors)**

Hours 0.5-4

*No description available*

**MUA384 Trumpet (Majors)**

Hours 0.5-4

*No description available*

**MUA385 French Horn (Majors)**

Hours 0.5-4

*No description available*

**MUA386 Trombone (Majors)**

Hours 0.5-4

*No description available*

**MUA387 Euphonium (Majors)**

Hours 0.5-4

*No description available*

**MUA388 Tuba (Majors)**

Hours 0.5-4

*No description available*

**MUA389 Percussion (Majors)**

Hours 0.5-4

*No description available*

**MUA390 Guitar (Majors)**

Hours 0.5-4

*No description available*

**MUA391 Practicum Applied Music**

Hours 0-3

This course serves as an extension of Marching Band Activities from the fall semester, into the Spring semester for upper class men.

**MUA392 Tenor and Bass Chorus**

Hours 1

Applied Ensemble at the undergraduate level.

**MUA399 Junior Recital**

Hours 1

*No description available*

**MUA418 Trumpet Ensemble**

Hours 1

Applied performance ensemble for trumpet students at the undergraduate level.

**MUA419 Studio Ensemble**

Hours 0-1

Studio ensemble is a lab ensemble. The group will rehearse and perform in the Bryant Jordan Recording Studio. The format will be a recording session. Each rehearsal will have a new piece that the students must learn and record within the constraints of a standard time-sensitive recording session, a la film score, jingle, CD backing musician, etc.

**MUA427 Horn Choir**

Hours 1

Applied ensemble for horn students at the undergraduate level.

**MUA428 Tuba and Euphonium Ensemble**

Hours 1

Applied ensemble for tuba and euphonium students at the undergraduate level.

**MUA450 Huxford Symphony Orchestra**

Hours 0-1

Senior level ensemble.

**MUA451 Brass Choir**

Hours 0-1

Applied ensemble for brass musicians. Permission of instructor is required.

**MUA452 Wind Ensemble**

Hours 0-1

Senior level ensemble.

**MUA453 Marching Band**

Hours 1

Senior level ensemble.

Prerequisite(s): We are simply changing this from variable hours to 1. Thank you.

**MUA454 Symphonic Band**

Hours 0-1

Senior level ensemble.

**MUA455 Trombone Choir**

Hours 0-1

Applied ensemble for trombone students at the Senior level.

**MUA456 Percussion Ensemble**

Hours 0-1

Senior level ensemble.

**MUA457 Concert Band**

Hours 0-1

Applied ensemble at the undergraduate level.

**MUA458 Contemporary Ensemble**

Hours 0-1

Applied ensemble at the senior level focusing on music of the 20th and 21st centuries.



**MUA459 Jazz Ensemble**

Hours 0-1

Senior level ensemble.

**MUA460 Opera Workshop**

Hours 0-1

Senior level ensemble.

**MUA461 Opera Production**

Hours 0-1

Senior level ensemble.

**MUA462 University Chorus**

Hours 0-1

Senior level ensemble.

**MUA463 University Singers**

Hours 0-1

Senior level ensemble.

**MUA464 Chamber Choir**

Hours 1

The Alabama Chamber Choir is a mixed choral ensemble primarily conducted by advanced University of Alabama undergraduate choral music education students. Chamber Choir will afford all choristers the opportunity to peruse a broad spectrum of choral ensemble music, most of which will be suitable for programming in a traditional public school choral music setting. While experiencing breadth of repertoire will be a key philosophical component of Chamber Choir, high quality choral performance will drive the methodology. In that regard, student directors, through collaboration with the instructor, will prepare and conduct one selection in an authentic performance setting.

**MUA465 Flute Choir**

Hours 0-1

Applied ensemble for flute students at the undergraduate level.

**MUA467 Jazz Combo**

Hours 0-1

Senior level ensemble.

**MUA468 Treble Chorus**

Hours 1

Applied Ensemble at the undergraduate level.

**MUA469 Chamber Music**

Hours 0-1

Senior level small ensemble.

**MUA471 Piano (Majors)**

Hours 0.5-4

Senior level applied piano study for music majors.

Prerequisite(s): MUA 371

**MUA472 Organ (Majors)**

Hours 1-4

Senior level applied organ study for music majors.

Prerequisite(s): MUA 372

**MUA474 Voice (Majors)**

Hours 0.5-4

Senior level applied voice study for music majors.

Prerequisite(s): MUA 374

**MUA475 Violin (Majors)**

Hours 0.5-4

Senior level applied violin study for music majors.

Prerequisite(s): MUA 375

**MUA476 Viola (Majors)**

Hours 0.5-4

Senior level applied viola study for music majors.

Prerequisite(s): MUA 376

**MUA477 Cello (Majors)**

Hours 0.5-4

Senior level applied cello study for music majors.

Prerequisite(s): MUA 377

**MUA478 Double Bass (Majors)**

Hours 0.5-4

Senior level applied double bass study for music majors.

Prerequisite(s): MUA 378

**MUA479 Flute (Majors)**

Hours 0.5-4

Senior level applied fluted study for music majors.

Prerequisite(s): MUA 379

**MUA480 Oboe (Majors)**

Hours 0.5-4

Senior level applied oboe study for music majors.

Prerequisite(s): MUA 380

**MUA481 Bassoon (Majors)**

Hours 0.5-4

Senior level applied bassoon study for music majors.

Prerequisite(s): MUA 381

**MUA482 Clarinet (Majors)**

Hours 0.5-4

Senior level applied clarinet study for music majors.

Prerequisite(s): MUA 382

**MUA483 Saxophone (Majors)**

Hours 0.5-4

Senior level applied saxophone study for music majors.

Prerequisite(s): MUA 383

**MUA484 Trumpet (Majors)**

Hours 0.5-4

Senior level applied trumpet study for music majors.

Prerequisite(s): MUA 384

**MUA485 French Horn (Majors)**

Hours 0.5-4

Senior level applied french horn study for music majors.

Prerequisite(s): MUA 385

**MUA486 Trombone (Majors)**

Hours 0.5-4

Senior level applied trombone study for music majors.

Prerequisite(s): MUA 386

**MUA487 Euphonium (Majors)**

Hours 0.5-4

Senior level applied euphonium study for music majors.

Prerequisite(s): MUA 387

**MUA488 Tuba (Majors)**

Hours 0.5-4

Senior level applied tuba study for music majors.

Prerequisite(s): MUA 388

**MUA489 Percussion (Majors)**

Hours 0.5-4

Senior level applied percussion study for music majors.

Prerequisite(s): MUA 389

**MUA490 Guitar (Majors)**

Hours 1-4

Senior level of applied guitar study for music majors.

Prerequisite(s): MUA 390

**MUA492 Tenor and Bass Chorus**

Hours 1

Applied Ensemble at the undergraduate level.

**MUA499 Senior Recital**

Hours 1

*No description available***MUS100 Music Fundamentals**

Hours 3

A foundational course in music focused on the rudiments of music and tonal theory. Topics include clefs, pitches, rhythm, meter, scales, keys, intervals, and triads. The class is open to non-majors if space permits.

**MUS115 Theory I: Voice Leading**

Hours 4

Study of the fundamental elements of music theory, including rhythm, melody, consonance, dissonance, and functional harmony. We explore these through counterpoint exercises in two, three, and four voices. The prerequisite for this course is MUS 100. A placement exam is available. Contact the department for details.

Prerequisite(s): Prerequisite: MUS 100 with the grade of C- or better

**MUS117 Theory II: Diatonic Harmony**

Hours 4

Study of the diatonic principles of the common-practice era, including voice leading in triads and seventh chords, basic harmonic syntax, and contrapuntal embellishment. We explore these through four-part writing, analysis, harmonic dictation, keyboard exercises, and sight singing.

Prerequisite(s): MUS 115 with the grade of C- or better.

**MUS121 Intro To Listening**

FA

Hours 3

This course surveys the history of Western music. Musical styles and genres from the 1600s through present-day will be covered. This course will not only examine the music of the baroque, classical, and romantic periods, but will also delve into the musical worlds of musical theater, film, jazz, the mainstream, as well as other innovative ideas of the 20th and 21st centuries. In addition, this course will focus on teaching students to become active listeners rather than passive hearers in order to discover the beauty, intricacy, and greatness of music from all styles and eras. Students will have the opportunity to apply learned listening concepts by attending live concert events during the semester. No musical experience or training is necessary for this course.

Fine Arts

**MUS122 Honors Introduction to Listening**

FA, UH

Hours 3

This course will explore one of the fundamental modes of aesthetic expression, music. Presupposing no formal training on the part of the students, we will explore aural skills and tools for recognition through study of music fundamentals and masterworks of Euro-American art music from the Baroque era (1600s) to the present. At the same time, students will be given an overview of the development of Western art music, and critically think how that development relates to larger issues of culture and society. This course is a combination of both online work for which the students are responsible outside of class time, as well as in-class work during the class meeting times each week. Please pay close attention to the online course deadlines as we move through the semester.

Fine Arts, University Honors

**MUS150 Songwriting Techniques and Analysis**

Hours 3

Musical components of songs will be analyzed and compared with songwriting literature; students will sing and perform songs and song concepts on musical instruments.

Prerequisite(s): 1) Ability to demonstrate basic performance skill on at least one musical instrument (preferably chordal such as keyboard, guitar, banjo, mandolin, ukulele, etc.). 2) Ability to locate and identify letter names of pitches on chosen instrument.

**MUS161 Oboe Reedmaking**

Hours 1

Independent laboratory instruction in oboe reedmaking. Up to four semesters of MUS 161 may be counted toward the degree.

**MUS180 Intro Music Therapy**

Hours 3

The purpose of this course is to study music as a human behavior and gain an overview of the use of music with various age groups and populations.

Prerequisite(s) with concurrency: MUS 100 or MUS 115

**MUS181 Music Therapy Practicum**

Hours 1

Supervised music therapy clinical work with older adults and observation of music therapy sessions in the community.

Prerequisite(s): MUS 180 and MUA 220 with a grade of C- or better.

Prerequisite(s) with concurrency: MUS 280.

**MUS182 Obsrv Orient Mu Therapy**

Hours 2

The purpose of this course is to apply principles of human behavior to clinical settings, with an emphasis on measuring client outcomes.

Prerequisite(s): MUS 180 with a grade of C- or better.

**MUS215 Theory III: Chromatic Harmony**

Hours 4

Study of the chromatic principles of the common-practice era, including tonicization and modulation, sequences, advanced figuration, and mixture. We explore these through four-part writing, analysis, harmonic dictation, keyboard exercises, and sight singing.

Prerequisite(s): MUS 117 with grade of C- or better.

**MUS217 Theory IV: Advanced Harmony**

Hours 4

Study of advanced chromatic principles of the common-practice era, including chromaticized sequences, advanced mixture, chromatic modulation, and equal division of the octave. We explore these through four-part writing, analysis, harmonic dictation, composition exercises, and sight singing.

Prerequisite(s): MUS 215 with grade of C- or better.

**MUS219 Composition I**

Hours 2

Basic techniques of musical composition.

**MUS220 Composition II**

Hours 2

A continuation of Composition I. Basic techniques of musical composition.

Prerequisite(s) with concurrency: MUS 100 or MUS 115

**MUS228 Jazz Piano Jazz Theory I**

Hours 1

Introduction to theoretic principles of jazz and application on the piano, including definition and applications of chords and scales, progressions, chord substitution principles. Offered in the fall semesters of even-numbered years.

**MUS229 Jazz Piano And Theory II**

Hours 1

Continuation of MUS 228. Focus on modes, synthetic scales, altered extensions, and other extended techniques of the jazz idiom. Offered in the spring semesters of odd-numbered years.

**MUS230 Improvisation I**

Hours 1

Theoretical and applied study of the tonal and rhythmic elements used in developing improvisational skills in jazz, rock, and pop media. Offered in the fall semesters of odd-numbered years.

**MUS231 Improvisation II**

Hours 1

Continuation of MUS 230. Designed to develop advanced improvisational skills in the jazz idiom. Offered in the spring semesters of even-numbered years.

**MUS240 Piano Pedagogy**

Hours 2

Study of teaching principles, methods, and materials; includes microteaching and observation. Offered in alternate spring semesters.

**MUS241 Organ Pedagogy**

Hours 2

This course investigates materials, methods and techniques for teaching the beginning organ student.

**MUS250 Music In World Cultures**

FA

Hours 3

Study of music in non-Western traditions (Africa, India, Japan, Indonesia, etc.).

Fine Arts

**MUS251 Music History I**

Hours 3

History of music from the ancient Greeks through the end of the 17th century, with emphasis on critical analysis of musical, historical, and cultural contexts. Offered in the fall semester.

Prerequisite(s): MUS 250 (passing with a D- or better)

Prerequisite(s) with concurrency: Co-requisite: MUS 117

**MUS252 Music History II**

Hours 3

History of music in the 18th and early 19th centuries, with emphasis on critical analysis of musical, historical, and cultural contexts. Offered in the spring semester.

Prerequisite(s): MUS 251

**MUS254 Diction For Singers I**

Hours 3

Introduction to the International Phonetic Alphabet; study and practice of Italian and English diction. Offered in alternate years.

**MUS255 Diction For Singers II**

Hours 3

Study and practice of German and French diction. Offered in alternate years.

**MUS280 Repertoire & Skill Proficiency in Music Therapy**

Hours 3

The purpose of this course is to learn the wealth of folk, popular, and recreational music of the main segments of American culture, as well as develop polished singing and accompanying skills needed for competent performance as a music therapist. Students will also be introduced to other music therapy interventions.

Prerequisite(s): prerequisite: MUA 220 with a grade of C- or better. co-requisite: MUS 181 Prerequisite of MUS 180 with a C- or better.

**MUS281 Music Therapy Techniques**

Hours 3

Learn to develop specific therapeutic experiences (singing, movement, rhythm, relaxation, lyric analysis, lyric rewrite, etc.) for each age group (infancy through older adults) as well as for specific populations. By the end of the semester students will have acquired the skills necessary for MUS 382.

Prerequisite(s): MUS 181 and MUS 280 with a grade of C- or better. Co-requisite: MUS 282

**MUS282 Music Therapy Practicum**

Hours 1

The purpose of this course is to offer the music therapy student experience in facilitating music therapy sessions at a local agency which serves a specific population and to observe other populations in music therapy sessions. Across the two semesters students will develop group leadership skills in singing and accompanying with guitar, build a repertoire of appropriate songs for this population, and practice appropriate interaction skills with those served, their families, the staff, classmates, and the professor.

Prerequisite(s): MUA 220 and MUS 181 and MUS 280 with a grade of C- or better

**MUS283 Observation and Orientation to Music Therapy**

Hours 3

The purpose of this course is to apply principles of human behavior to clinical settings, with an emphasis on measuring client outcomes.

Prerequisite(s): Prerequisite: MUS 281 with C- or better. Co-requisite: MUS 282

**MUS300 Readings in Music Theory**

Hours 2

An introduction to current trends in music theory with an emphasis on close reading and analytical writing.

**MUS303 16th-Century Counterpoint**

Hours 3

Practical study, through analysis and composition, of vocal polyphony as developed in the 16th century.

Prerequisite(s): MUS 215

**MUS304 18th-Century Counterpoint I**

Hours 3

The 18-century style of counterpoint as developed by J.S. Bach.

Prerequisite(s): MUS 215

**MUS307 Form And Analysis**

W

Hours 3

Complete survey of the forms of composition, beginning with phrase and period and covering large forms such as rondo, sonata, concerto, and fugue. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MUS 217 with the grade of C- or better

Writing

**MUS308 Pro Tools Essentials**

Hours 3

Pro Tools essential is an introductory course guiding the student through the art of digital audio recording. Founded in the industry-standard Pro Tools, the students will be guided through the process of recording in a Digital Audio Workstation (DAW). Focus will be on the basic applications of processes in digital recording that are applicable to all DAW in the industry.

Prerequisite(s): Musical Audio Engineering major

**MUS310 Arranging**

Hours 3

Basic jazz arranging techniques for small ensembles. Offered in the fall semester.

**MUS312 Intermediate Arranging**

Hours 3

Continuation of MUS 310 (Arranging). Emphasis on writing for the big band and mixed media instrumentation, focusing on extended arranging techniques. Offered in the spring semester.

**MUS315 Mus Management Activity**

Hours 2

Practical consideration of all aspects of concert production and administration for musicians and music business people.

**MUS319 Composition III**

Hours 3

Projects in musical composition.

**MUS320 Composition IV**

Hours 3

Projects in musical composition.

**MUS323 Music History III**

W

Hours 3

History of music in the 19th and 20th centuries, with emphasis on critical analysis of musical, historical, and cultural contexts. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered in the fall semester.

Prerequisite(s): MUS 252

Writing

**MUS325 Instrumentation**

Hours 3

A survey of instrumental strengths, abilities, and weaknesses. Basic instrumentation and writing for all ensembles and orchestra. This course encourages work that overlaps with other programs of study, such as composition, performance, audio engineering, and music production.

**MUS326 Arts Venues Management**

Hours 2

Through course readings, lectures, guest presentations, and hands-on experience students will learn the roles and operations of arts and music venues. This class is a combination of practical work and classroom lectures. The class will be held at several local venues, the primary one being the Tuscaloosa Amphitheater. Other venues include Tuscaloosa River Market, Mildred Westervelt Warner Transportation Museum, Bama Theatre and UA venues.

Prerequisite(s): Junior status or permission of instructor

**MUS327 Studies Special Literat**

Hours 3

Thorough study of topics not included in the curriculum. Offered according to demand.

**MUS328 Orchestration**

Hours 3

A survey of instrumental strengths, abilities, and weaknesses. Special emphasis on the art and science of writing for larger ensembles. This course encourages work that overlaps with other programs of study; particularly composition, performance, audio engineering, and music production.

**MUS331 Jazz Symposium**

Hours 3

*No description available*

**MUS332 Experimental Music**

W

Hours 3

This course will introduce you to a variety of theories and practices of musical experimentalism in a global context. We will begin by defining what experimental music is - what is the impulse that drives some artists to push outside the realms of their traditions, or even outside what is normally called music? Rather than limiting our view to experimentalism in Western art music, as has largely been the case in surveys of this subject, we will also listen to and study experiments in jazz, rock, hip hop, reggae and other global musics to put the experimentalist aesthetic in a broad historical and cultural context. In addition to critical reading, discussion and listening we will perform experimental music compositions to encourage a "hands-on" engagement with the subject. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**MUS335 Accompanying Class**

Hours 2

Survey of accompanying techniques and of the standard repertoire in the vocal, string, and wind areas. Experience is gained through assigned projects and/or assigned studio accompanying. Offered in the spring semester of even-numbered years.

**MUS340 Intro Recording Techniq**

Hours 3

Exploration of the basics of the art of sound recording. Emphasis on the mixing console, microphone placement, effects, recording basic tracks, and mixdown.

**MUS341 Advanced Recording/Mixdown Techniques**

Hours 3

This course is a continuation of MUS 340, Introduction to Recording Techniques. Focus will be placed on recording techniques with an emphasis on the mix down process. Students will work in a hands-on environment to apply techniques discussed in class, including but not limited to: extended recording techniques; use of plugins and outboard gear; mastering; etc.

Prerequisite(s): MUS 340

**MUS344 String Pedagogy**

Hours 2

*No description available*

**MUS351 Fund Of Conducting**

Hours 2

Introduction to the basic techniques of conducting with emphasis on the understanding and control of music materials. Offered in the fall semester.

**MUS365 Legal Issues in the Arts**

Hours 3

This course will explore a broad range of legal topics pertinent to the arts, including: copyright, trademark, contracts, management of employees, union issues, advertising and 501 (c)(3) non-profit status.

Prerequisite(s): MUS 115 and MUS 117

**MUS380 Introduction to the Psychology Music**

Hours 3

Basic study of acoustics, the ear and hearing, and the psychosociophysiological processes involved in musical behavior.

Prerequisite(s): Prerequisite: MUS 282 with a grade of C- or above

Prerequisite: MUS 283 with a grade of C- or above Co-requisite: MUS 382

**MUS382 Music Therapy Practicum**

Hours 1

Supervised music therapy experience in local facilities.

Prerequisite(s): Prerequisite: MUS 282 with a grade of C- or above

Prerequisite: MUS 283 with a grade of C- or above

**MUS401 Film Scoring I**

Hours 3

A study of the art of scoring music for films. Emphasis will be placed on the short jingle and the technical aspects of film scoring. Offered in the fall semester.

**MUS402 Film Scoring II**

Hours 3

Continuation of MUS 401. Emphasis will be placed on writing the extended film score by analysis of psychological impact, orchestrational techniques, etc. Offered in the spring semester.

**MUS403 18th-Century Counterpoint II**

Hours 3

The analysis and writing of fugue, variation, ground-bass, and canon.

Prerequisite(s): MUS 304 or permission of the instructor.

**MUS405 Studio Tech Arrang Orchs**

Hours 3

Continued development of arranging and orchestrating techniques in both jazz and commercial settings, with an emphasis on the studio orchestra, MIDI instrumentation, and vocal groups.

**MUS406 Keyboard Techniques**

Hours 2

Applied survey of figured bass, choral open-score reading, transposition, and harmonization. Offered in the fall semesters of odd-numbered years.

**MUS407 Marketing the Arts**

Hours 2

Marketing the Arts will provide students with a general overview of communications including public relations, advertising, marketing and new media. Through readings, discussions, quizzes, an examination and a final group presentation students will develop an understanding of marketing practices involved in promoting an arts organization. Emphasis will be on not-for-profit organizations, community theatres and symphony orchestras.

**MUS412 Electronic Music I**

Hours 3

A survey of seminal works featuring electronic elements. Mastering the principles of recording, editing, signal processing, mixing, mastering, MIDI, sampling, and sound design. This course encourages work that overlaps with other programs of study; particularly composition, performance, audio engineering, and music production.

**MUS414 Electronic Music II**

Hours 3

A continued survey of seminal works featuring electronic elements. Instruction in the design and utilization of sound-generating computer programs for digital synthesis, MIDI, and advanced techniques associated with recording and producing audio. This course encourages work that overlaps with other programs of study; particularly, composition, performance, and audio engineering degrees.

**MUS416 Special Topics in Music Theory**

Hours 3

Advanced course in music theory; topics may vary according to instructor.

Prerequisite(s): MUS 217 with the grade of C- or better

**MUS417 Special Topics in Composition**

Hours 3

Advanced course in music composition; topics may vary according to instructor.

**MUS418 Schenkerian Analysis**

Hours 3

Study of pitch structure in tonal compositions as revealed by Heinrich Schenker and his followers.

Prerequisite(s): MUS 307 with a grade of C- or better

**MUS419 Composition V**

Hours 3

Projects in composition.

Prerequisite(s): MUS 320 with a grade of C- or better

**MUS420 Composition VI**

Hours 3

Projects in composition.

Prerequisite(s): MUS 419 with a grade of C- or better

**MUS426 Analysis of 20th-Century Music**

Hours 3

Survey of a variety of technical approaches to composition in the 20th century and such organizing techniques as harmony, voice leading, textural design, form, and orchestration.

Prerequisite(s): MUS 217 with a grade of C- or better

**MUS427 Studies In Special Lit**

Hours 3

Thorough study of topics not included in the curriculum. Offered according to demand.

**MUS430 Applied Recording**

Hours 1-4

Applied recording is an individualized study of the art of recording, mixing, mastering, and production of an entire recording project. Based upon needs of the majors as determined by the professor and student, an individualized program of study for the semester will be designed to assist the student and guide them through topics needed for a comprehensive education in recording/mixing engineering.

Prerequisite(s): MUS 308, MUS 340, and MUS 341

**MUS440 Advanced Piano Pedagogy**

Hours 2

Advanced Piano Pedagogy focused on the teaching of the intermediate and advanced pre-college piano student. Topics covered will include learning styles; methods of teaching advanced rhythm and reading; creating a healthy technical approach for advanced repertoire; intermediate and advanced pedagogical solo material; teaching stylistic interpretation and musicianship; and issues of motivation in advancing students.

Prerequisite(s): MUS 240

**MUS444 Vocal Pedagogy**

Hours 2

Introduction to the concepts, methods, and materials essential to effective teaching of the singing voice. Offered in alternate years.

**MUS447 Teaching Choral Music Publ Sch**

Hours 3

The scope, organization, and administration of choral programs in public schools. Includes analysis of teaching techniques and materials appropriate to specific levels of development. Offered in the fall semester.

**MUS448 Tchng Instrumental Music Pub S**

Hours 3

Problems encountered in the development of instrumental programs in public schools; analysis of beginning method books for heterogeneous and homogeneous groups; and development of a course of study to guide the new teacher. Offered in the fall semester.

**MUS461 History/Literature Jazz**

Hours 3

History of the development of jazz to the present, from its African roots to its American florescence. Particular attention is paid to early styles and forms.

**MUS471 Lit Of The Piano**

Hours 2

Survey of the important solo repertoire from Bach through Schubert. Examination of the development of keyboard technique from the time of the harpsichord through the time of the early piano. Offered in the fall semesters of even-numbered years.

**MUS472 Lit Of The Piano**

Hours 2

Survey of the important solo repertoire from the early Romantic era through the present. Examination of the development of piano technique from Chopin and Liszt through Cage and Crumb. Offered in the spring semesters of odd-numbered years.

**MUS473 String Literature**

Hours 2

Study of the standard repertoire for bowed instruments, from the Baroque period to the present.

**MUS474 Song Literature**

Hours 3

Survey of the performance criteria and historical significance of the solo song literature of the United States, the British Isles, Germany, Austria, France, and Italy. Performance and class participation are required. Offered in alternate years.

**MUS475 Song Literature**

Hours 3

Survey of a variety of technical approaches to composition in the 20th century and such organizing techniques as harmony, voice leading, textural design, form, and orchestration. Offered in the fall semesters.

**MUS477 Organ Literature**

Hours 2

Survey of Organ Literature and Advanced Survey of Organ Literature is a course available to upper class organ majors and graduate students, as well as others with the permission of the instructor. MUS477/577 is a survey of organ literature from the 14th century into the 18th century.

**MUS480 Music in Therapy I**

W

Hours 3

Study of mental health diagnoses as well as various therapeutic techniques and systems in music therapy using a hypothetical mode of inquiry. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MUS 380 with a grade of C- or better.

Prerequisite(s) with concurrency: MUS 382

Writing

**MUS481 Music Therapy II**

Hours 3

The purpose of this course is to study the needs of the aging population as well as medical diagnoses of all age groups, including evidence-based practice in music therapy.

Prerequisite(s): MUS 480 with a grade of C- or better.

Prerequisite(s) with concurrency: MUS 382

**MUS482 Music Therapy III**

Hours 3

Music therapy for children, adolescents, and adults with disabilities in self-contained and inclusive settings.

Prerequisite(s): MUS 481 with a grade of C- or better.

Prerequisite(s) with concurrency: MUS 382

**MUS486 Music Therapy Practicum**

Hours 0.5-4

The purpose of this course is to provide music therapy students supervised experience in facilitating music therapy sessions at local facilities throughout the community. This encompasses assessment, program planning, implementation, documentation, and evaluation of music therapy services.

Prerequisite(s): Prerequisite: MUS 181 with a grade of C- or higher

**MUS488 Comprehensive Exam in Music Therapy**

Hours 0

The purpose of this exam is to prepare students for success in the music therapy workforce via the CBMT Self-Assessment Examination and a comprehensive written exam covering material from all music therapy coursework.

Prerequisite(s): Prerequisite: Completion of all courses with C- or higher for MUS 180, MUS 181, MUS 280, MUS 281, MUS 282, MUS 283 MUS 380, MUS 480, and MUS 481. Co-requisite: MUS 382 and MUS 482

**MUS489 Music Therapy Internship**

Hours 6

Music therapy internship through a university affiliation or national roster site. Student must accumulate 1200 clinical training hours, in which 900 hours or more take place during the internship.

Prerequisite(s): Prerequisite: MUS 488

**MUS490 Raising Money Dev Arts**

Hours 2

Theories and techniques of securing funds for nonprofit organizations, including donor cultivation and grant preparation. Offered in the fall semester.

**MUS492 Choral Conducting**

Hours 2

Continuation of MUS 351 with emphasis on the problem of the choral ensemble. A study of rehearsal technique, vocal problems, diction, score analysis, style, and choral literature. Offered in the spring semester.

**MUS494 Band Conducting**

Hours 2

Continuation of MUS 351 with emphasis on the problem of the wind ensemble. A study of baton technique, score reading, rehearsal procedure, and band literature. Offered in the spring semester.

**MUS496 Music Administration Internship**

Hours 3-6

A minimum of one semester of internship with the following recommended host organizations: (1) a performing arts organization, (2) a community, state, or regional arts council, (3) a performing arts venue, (4) a musical festival or (5) a reputable recording studio. The internship must have the approval of and will be under the supervision of the Music Administration Coordinator.

**MUS497 Senior Project**

Hours 1

Required of all BA students in music (music and music administration): A substantial paper on a topic approved by the faculty advisor and completed in consultation with the advisor and examined by a faculty committee. In administration: a supervised practicum arranged through the advisor.

**MUS498 Independent Research in Music**

Hours 1-6

Independent study of music at the undergraduate level.

**NCLT101 Foundations of Adult Learning Seminar**

Hours 3

Each prospective LifeTrack student is required to attend the on-campus 2-day Adult Learning Seminar. This seminar includes online work in writing, assessment of computer skills, examining potential for learning outcomes including experiential learning and critical reading and thinking skills.

Prerequisite(s): Students must be fully admitted to the University of Alabama and it must be taken within the first six to nine months of admittance.

**NCLT104 LifeTrack Writing Skills & Strategies**

Hours 3

Writing Skills and Strategies reviews writing principles for developing college level essays.

Prerequisite(s): A quality writing sample during on-campus orientation showing college level writing skills and admittance in the New College LifeTrack Program.

**NCLT105 LifeTrack Research Writing**

Hours 2

Writing Strategies for Research teaches the fundamentals of researching and writing research papers.

Prerequisite(s): NCLT 104 with a C or higher

**NCLT106 LifeTrack Research Writing**

Hours 3

Writing Strategies for Research teaches the fundamentals of researching and writing research papers.

Prerequisite(s): NCLT 104 with a C or higher

**NCLT201 Learning Skills for Adults**

Hours 3

The purpose of this course is to allow students to gain an understanding of basic learning principles and strategies to improve adult students' study and learning skills. It provides an opportunity for adult students to develop their own methods of using the strategies and skills they learn to become more effective, involved, and productive workers in their educational experiences and journey.

**NCLT203 Analytical Thinking From Experience**

Hours 3

This three hour course will equip students with the tools necessary to utilize the application of critical thinking. It provides a series development of experiential learning assessment. The course also guides students through the preparation and compilation of components required for prior learning assessment portfolio evaluation. After completion of the course, students may choose to submit a portfolio for evaluation by faculty assessor (fee required).

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT205 Professional & Academic Use of the Internet**

Hours 3

To introduce the student to the social, legal, and ethical issues related to the use of social media and other Internet technologies in professional and academic settings. The widespread use of technology, including social media, has changed the way we make decisions, communicate, and interact with colleagues, instructors, peers, and others. These changes continue to contribute to new social and legal issues that demand a critical examination. The course also focuses on the potential of social media and other Internet sources as research tool.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course

**NCLT206 Theories of Career Development**

Hours 3

This course examines approaches to career development such as: Personality Theory of Career Choice, Trait Factor, Psychological, Decision – Situational or Sociological, Developmental, the theory of work-adjustment, Holland's Theory of Vocational Personalities in Work Environment, the Self-concept Theory of Career Development, the Theory of Circumscription and Compromise, and Social Cognitive Career Theory.



**NCLT207 Introduction to Personality Styles**

Hours 3

This course covers a variety of personality theories including the theoretical and scientific explanations for individuals' characteristic patterns of perception, thought, emotion and behavior. Emphasizes the understanding and mastery of personality constructs applied to students' personal and professional lives.

**NCLT208 Internet: Tool for Communication**

Hours 3

This course is to introduce students to the Internet as a method of communicating in both professional and academic settings. The use of the Internet has changed the way we work, play and communicate with others. This course will also focus on several new emerging methods of communicating via the Internet.

**NCLT209 Introduction to Video Gaming: History & Design Considerations**

Hours 3

This three credit contract is intended to provide an overview of the history of the digital (including video) game industry and the process of game development and design. Game terminology, platform comparisons, psychological concepts of interactivity, selected motivation theory, and methods of content creation are examined for business, educational, and/or entertainment uses.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT210 Recreation for Life**

Hours 1

Recreation for Life is an independent study for New College LifeTrack students interested in engaging in a new physical activity, and developing an exercise routine that they hope to continue on a regular basis for the rest of their lives (hence the name "Recreation for Life").

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT211 Volunteerism & Community Engagement**

Hours 1

This course allows students to engage with community organizations to learn the challenges and rewards of volunteer service. Students are also exposed to various opportunities for civic engagement.

**NCLT212 Experiential Travel**

Hours 1

This course will be a student-designed interdisciplinary travel course. It will include the use of materials in the chosen area, work done at a distance and an off-campus visit to a site related to the topic of the course, using interdisciplinary methods of examination, experiential learning and critical thinking and writing.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT213 Lecture Series**

Hours 1

This contract is designed to allow students to have an experiential learning experience based on their attendance of either an on-campus extra-course event (lecture based) and follow through with a research project based on the analysis of said event.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT220 Gateway: Introduction to the Arts**

Hours 3

This course will introduce students to the function, value, and character of the arts in our everyday lives. It will give students the opportunity to consider the value of the arts in their own development as a person, a student, and as a professional. This course may function a little differently from other courses you take at the University of Alabama. The goal is to push students out into various art communities: formal and informal, professional and student, local and global. Students are encouraged to develop for themselves the resources necessary to make thoughtful decisions about their future with the arts as consumers, practitioners, citizens, leaders, critics, students, skeptics towards the arts, and lovers of the arts.

Prerequisite(s): Enrollment in the New College LifeTrack Program.

**NCLT225 Gateway Science: Tripping over Science**

Hours 4

In this course, students will learn about different types of science, primarily natural sciences, and how they relate to other disciplines. What does cooking have to do with chemistry? How is ecology related to economics? Students will also do a final paper connecting multiple science disciplines back to a project or event in their own community.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT230 Gateway: Intro to Social Sciences**

Hours 3

This course is to introduce students to the Social Sciences, their methods, and the major areas of study.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling in this course.

**NCLT235 Gateway: Introduction to Leadership**

Hours 3

This course is meant to give the student an understanding of leadership through studying theories and current topics that addresses the concept of leadership and to be able to identify effective leadership styles.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT236 Topics in Professional Discourse**

Hours 1

This course offers four different possible sections that each explore different topics related to professional discourse including the sending and receiving of information between two or more people and the interaction in varying relational situations such as between co-workers, clients, and superiors and subordinates. The course requires significant writing and evaluation of discourse.

**NCLT301 The Creative Writing Process**

Hours 3

The overall purpose of this course is to introduce the beginning student to the fundamentals of creative writing (primarily fiction) through a series of reading assignments and writing exercises.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT308 Advanced Fiction Writing**

Hours 3

To further refine and sharpen creative writing skills and techniques introduced in "The Creative Writing Process" course.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT309 Manuscript Development & Preparation**

Hours 3

A continuation of the Advanced Fiction contract, this contract will allow the student to complete a manuscript in creative writing, i.e., a collection of stories, a novella, or a novel, as part of a Senior Project in Creative Writing.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT312 Special Topics in Literature & Film**

Hours 1-3

This course will examine various topics through literature and film. Topics may include a range of genres such as: American Comedy, The American South, American Crime, The American Hero, The 1960s, Decades of Lit & Film, and Best Sellers/Blockbusters.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT313 Special Topics in Arts/Humanities**

Hours 1-3

This course will examine various topics in the arts and humanities. The course topics will vary each semester.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT315 The Humanities Experience**

Hours 3

This contract is designed to increase the student's understanding and appreciation of several humanities disciplines through a variety of resources (texts, readings and attendance at cultural events) that direct attention to current ethical and cultural issues.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT316 Comparative Mythology**

Hours 3

To acquaint students with myth, mythological systems and mythography in relation to the human cultural system through examination of belief systems and rituals in order to explain the actions of others.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT317 Women in Contemporary Culture**

Hours 3

Through literary and other readings, the contract introduces students to the women's movement in the 20th Century and to issues associated with female identity and socialization.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT320 Exploring the Creative Process**

Hours 2

This seminar uses creativity as its organizing principle. Human culture, the creative process, and creative expression are explored through written examples, audio/video materials, individual and group projects, and interactions with creative individuals. Throughout the semester students will explore and challenge their own creative processes and acquire scholarly knowledge of creativity in a variety of fields.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT321 Music In Our Lives**

Hours 3

This course will introduce students to the function, value, and character of music in our everyday lives. Students will consider music in their everyday life and be introduced to music from other genres and cultures. Students will have the opportunity to explore the value of music in their own development as a person, a student, and as a professional.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling in this course.

**NCLT322 Festivals: Local Culture**

Hours 3

This course examines local culture as expressed through festivals and public displays of various traditions. Students will attend a range of festivals and learn how to thoroughly describe and analyze the festivals using methods from folklore, cultural anthropology, and performance studies. You will explore festivals through selected reading and viewing materials. You will also attend one festival in or near your community. You will learn about the ways in which arts, music, food, film, heritage, ethnic, and/or religious festivals contribute to and represent local cultures and societies.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT324 Summertime Blues**

Hours 2

Looking for a cure for the summertime blues? - Take this course and attend a blues concert or blues festival in Alabama or in your local area. This class will introduce students to the blues and will focus on the development of the blues genre in the southern United States (Mississippi Delta region and Alabama). Student will read about the history of the blues, view a documentary film, and attend a live performance of blues music to learn more about this early musical genre that influenced jazz, rock, popular music, and many other musical styles throughout the 20th and 21st centuries.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT325 Visiting Artist Series**

Hours 1

This course will focus on the individual artists and scholars who will be giving guest lectures as part of this series (typically on the University of Alabama campus). This is an excellent opportunity to hear first hand perspectives from highly regarded visual artists and art scholars. The student may choose one artist or all three and complete required assignments for each one. Each mini-mester course will include one assignment prior to the lecture for students to become familiar with the artist and his or her work, one summary/reflection assignment after attending the lecture in person or viewing the lecture online, and one final essay based on the artist's work or scholarship. Distance students who cannot attend the on-campus visit, will be able to view the artist lecture via streaming video.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT330 Directed Study in Literature, Art & Society**

Hours 1-3

This course will be designed by the student with the assistance of their Academic Advisor/selected course UA faculty member. It can cover any topic within the area of Literature, Art and other Humanities. It should be interdisciplinary in construction and all elements will be agreed upon between student and course director.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT340 Controversies in Science**

Hours 3

This course is online only and will be completed using Blackboard Learn software. Science is often steeped in controversy. Some of this comes from misunderstandings between scientists and non-scientists, while some is a result of bad science. In this course we will look at these different types of controversies to come to a better understanding of what constitutes good science and how to better understand science. Controversies covered include climate change, evolution, human cloning, vaccines, and more.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT341 Designed by Nature: Biomimicry in Our World**

Hours 3

It has been said that imitation is the sincerest form of flattery. This is becoming increasingly true and obvious as innovative designers and engineers look to a truly original design source for inspiration: nature and life around us. Hence was born the field of 'Biomimicry' which imitates elements of nature to solve complex human problems. In this course students will learn about key components of everyday life and their biological -inspired origins. At the end of the course students will put their knowledge to use either researching a biologically inspired item already in use or by developing their own novel biomimetic innovation.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT342 The Science of the Supernatural**

Hours 3

The recent explosion of popular entertainment focused on "supernatural" creatures such as vampires and werewolves has done much to reimagine these ever-popular myths. Any particular version of this genre is sure to add its own twist to origination stories and characteristics. Yet where in fact did these legends begin? And more importantly, is there any data supporting these prevailing classics of folklore? In this course students will examine several works of non-fiction that attempt to explain supernatural myths in our everyday lives.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT343 A Look At Environmental Sciences**

Hours 4

The world around us is a complicated one. Our lives are governed by natural processes and human technology. Understanding how these processes interact goes a long way towards allowing us to be better citizens. In this course we will explore seven different areas: climate/weather and other natural phenomena, water, energy, pollution, garbage and recycling, agriculture, and biology. This course is online only.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling in this course.

**NCLT344 Special Topics in the Natural Sciences**

Hours 1-4

These are instructor designed courses which will explore various topics in the natural sciences.

**NCLT345 Human Biology**

Hours 3

In this course, students will learn about what makes up the human body as well as how people fit into the broader environment. Topics will include anatomy, physiology, disease, the microbiome, ecology, and humans as animals.

**NCLT346 Spiders, Snakes, and Dirt**

Hours 4

In this course students will learn about human disconnection from and fear of the natural world and the harm this can cause to children and adults alike. The course will cover many phobias that keep people away from nature such as snakes, spiders, and fear of getting dirty. The course will also cover biophilia; the idea that human connection to nature is necessary and beneficial to our well-being.

**NCLT347 Biodiversity Lab**

Hours 1

Our world is incredibly diverse in terms of the animals, plants, and other organisms that live here and its geology and other natural features. In this course students will explore this diversity, reasons that it exists, threats to it, and what efforts are being taken to protect it.

**NCLT348 Soil Quality Lab**

Hours 1

This one hour course will equip students with the tools necessary to examine the fundamental principles of soil quality and the relationship of soil characteristics to productivity. The student will collect a soil sample from a location of choice to determine local soil quality. The sample will be submitted to the local USDA extension office and obtain a certified soil report (fee required).

**NCLT349 Water Quality Lab**

Hours 1

This one hour course will equip students with the tools necessary to examine the fundamental principles of water quality, with particular emphasis on nutrients and the watershed-level approach. The student will collect a freshwater sample from a lake, river, stream, or pond to determine local water quality. The sample will be submitted to the local USDA extension office and obtain a certified water quality report (fee required).

**NCLT355 Directed Study Science, Technology & Culture**

Hours 1-3

This course will be designed by the student with the assistance of their Academic Advisor/selected course UA faculty member. It can cover any topic within the area of Science, Technology & Culture. It should be interdisciplinary in construction and all elements will be agreed upon between student and course director.

**NCLT360 Grief and Caregiving**

Hours 3

At some point in all of our lives we will reach the new normal of caring for aging parents, grief, and loss of those dear to us. Many travel this road alone. Together we will explore the many areas of our lives where we face what it means to be an adult child, a widower, or a parent who lost a child. The process of aging, caregiving, grief, and loss of a loved one is not a brief space of time. How do we move back to being a part of the living world? How do we move beyond feelings of seemingly unending grief, and begin our lives again?.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT361 Conspiracy Theories**

Hours 3

Aliens landed in New Mexico! Elvis did not leave the building! Who shot JFK?! The moon landing was fake! 9/11 was an inside job! AIDS is manmade! RFID chips in your babies! The end is nigh... "It's the end of the world as we know it and I feel fine" --REM This course will explore a sample of conspiracy theories in United States history. Using written and visual sources (Letters, emails, newspaper, editorial cartoons, speeches, etc.), students will be exposed to the conspiratorial language used by Americans to explain the unexplainable. They will emerge from the course with the ability to analyze sources and identify reasons why conspiracies are started.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT362 Nazi Germany**

Hours 3

This seminar explores the rise and fall of the Nazi Party.

**NCLT363 The Glass Ceiling: Women at Work**

Hours 3

This class will explore the history and present of women at work. There is a long history of women working in America that includes a wide range of employment from the domestic sphere to the boardroom. Throughout history and presently, the majority of women have not been able to break "the glass ceiling" which refers to an invisible barrier that prevents someone from achieving further success. It is most often heard in the context of women who cannot advance to the highest levels of power in the workplace. This also affects women based on race and socioeconomic status. The glass ceiling is a way of describing whatever keeps women from achieving power and success equal to that of men. We will look at the past and the present of working women, the challenges they face and decisions they make along the way.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT364 Cemeteries and Local History**

Hours 3

To become familiar with the local history of a community by studying its burial spaces.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT365 Cooperation and Conflict**

Hours 3

This course explores cooperation and conflict in human society. We will investigate these ideas within conflicts around race, gender, class, immigration, poverty, etc. Students will investigate and seek solutions to contemporary social problems found within these areas. Specific themes will include economic citizenship, healthcare, and environmentalism. The Socratic imperative that "The unexamined life is not worth living," will be central to this class. We must strive to interrogate who each of us, as individuals, are in relation to various examples of social conflict. For example, in terms of conflicts surrounding race, we must each ask ourselves, "How do I participate in race?" The same goes for conflicts surrounding immigration, poverty, class, gender, etc. By asking such questions, we can then discuss how we as individuals, in the "everyday", contribute to conflict as well as how we can contribute to cooperation.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT366 Juvenile Delinquency & Justice**

Hours 3

The purpose of this course is to provide the student with a general knowledge and understanding of the problems stemming from delinquency which plague society, theoretical explanations for delinquent behavior, and how juvenile delinquents are processed through the criminal justice system.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT367 Terrorism and Homeland Security**

Hours 3

The course provides students with a better understanding of what terrorism is, its origins and its purpose, and the steps used to combat it.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT368 Global Perspectives of Women**

Hours 3

This course will develop understanding and sympathy for women's lives and experiences around the globe. It will increase the students knowledge of history and culture as well as reading, analytical and writing skills.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT369 Special Topics in the Social Sciences**

Hours 1-3

This course will examine various topics in the social sciences. The course topics will vary each semester.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT374 Directed Study in Community Studies**

Hours 1-3

This course will be designed by the student with the assistance of their Academic Advisor/selected course UA faculty member. It can cover any topic within the area of Community Studies. It should be interdisciplinary in construction and all elements will be agreed upon between student and course director.

**NCLT375 Directed Study in Social Sciences**

Hours 1-3

This course will be designed by the student with the assistance of their Academic Advisor/selected course UA faculty member. It can cover any topic within the area of Social Sciences. It should be interdisciplinary in construction and all elements will be agreed upon between student and course director.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT380 The Administrative Process: Theory & Practice**

Hours 3

The purpose of the course is to introduce concepts and principles that are essential to understanding how organizations (public, private and educational) operate. In order to understand administration, one must understand the environment in which administration takes place. organizational studies provide us insight on how effective administration impacts on people, products and society.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT381 Master Mentoring**

Hours 1

Students explore what it means to be a mentor, how mentors and proteges form and maintain pro-social interactions and the benefits of these unique interpersonal relationships.

**NCLT382 The History of Family Enterprise**

Hours 3

Family owned enterprises have played a long and significant role in both world and U.S. economic history. Many of the products and services used today were first envisioned and created by entrepreneurs who went on to establish and sustain business enterprises that would last for generations. And yet, most family enterprises do not survive more than one or two generations. Research indicates that upwards of one third of all family firms only last one generation, while fewer than that last beyond two generations. But despite the difficulties they have faced, family owned firms have shaped much of our current world.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT383 Leadership In Literature and Film**

Hours 3

Great literary works are often remembered for their great characters. Shakespeare's King Lear, Arthur Miller's Willy Loman and Conrad's Kurtz are just three of many that come to mind. And many of the characters in great literary works are required by the author to exhibit leadership in one form or another. In this course, the role of leadership, as portrayed by key characters in several important works of literature, will be studied.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT384 Small Enterprise Development I**

Hours 3

To learn the basic fundamentals for starting and operating a small business.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT385 Nonprofit Management**

Hours 2

This course examines the processes and functions of nonprofit management.

**NCLT386 Special Topics in Leadership**

Hours 1-3

This course may examine various topics in the Leadership Studies. Topics may include: Mentoring, Communication, Human Resource issues, Data Analysis, Strategic Decision Making, Leadership Techniques.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT388 Directed Study in Leadership Studies**

Hours 1-3

This course will be designed by the student with the assistance of their Academic Advisor/selected course UA faculty member. It can cover any topic within the area of Leadership Studies. It should be interdisciplinary in construction and all elements will be agreed upon between student and course director.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT490 Seminar: Literature, Art & Society**

Hours 1-3

This course will be topic specific to the area of Literature, Art and Society. It will include the use of materials in the chosen area, work done at a distance and one weekend on-campus visit, using interdisciplinary methods of examination, experiential learning and critical thinking and writing.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT491 Seminar: Science, Technology & Culture**

Hours 1-4

This course will be topic specific to the area of Science, Technology & Culture. It will include the use of materials in the chosen area, work done at a distance and one weekend on-campus visit, using interdisciplinary methods of examination, experiential learning and critical thinking and writing.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course

**NCLT492 Seminar: Community/Leadership Studies**

Hours 1-3

This course will be topic specific to the area of Community or Leadership Studies. It will include the use of materials in the chosen area, work done at a distance and one weekend on-campus visit, using interdisciplinary methods of examination, experiential learning and critical thinking and writing.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT493 Seminar: Social Sciences**

Hours 1-3

This course will be topic specific to the area of Social Sciences. It will include the use of materials in the chosen area, work done at a distance and one weekend on-campus visit, using interdisciplinary methods of examination, experiential learning and critical thinking and writing.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT494 NCLT Experience**

Hours 1-3

This course will be an interdisciplinary travel course. It will include the use of materials in the chosen area, work done at a distance and one off-campus visit to a site related to the topic of the course, using interdisciplinary methods of examination, experiential learning and critical thinking and writing.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course.

**NCLT498 NCLT Senior Project**

Hours 1-12

The Senior Project is a distinctive feature of the LifeTrack Program. It is the culmination of the skills students have learned during their time in the program. The project is designed by the student and includes research, analysis, and synthesis of a particular subject. It is the final step in the completion of the undergraduate degree. The Senior Project may be done for professional enhancement, development of personal interests, academic preparation for graduate school or a combination of these goals. Student projects are matched with a University of Alabama professor.

Prerequisite(s): Students must be enrolled at The University of Alabama within the New College LifeTrack program and receive approval from their assigned academic advisor prior to enrolling this course. Students must have met all Program core requirements and have presented a senior project proposal to their Academic Advisor.

**NEW100 Intro Interdisc Integratv Sty***FCMP*

Hours 1-2

Designed to help current and prospective New College students become more informed about the University and about the interdisciplinary studies degree so that they may maximize their opportunities in their undergraduate programs through New College.

Freshman Compass

**NEW120 Inclusive Leadership Through Sustained Dialogue**

Hours 3

In an increasingly polarized world, being an engaged citizen requires skills for resolving the conflicts inherent in a diverse democratic society. Sustained Dialogue (SD) is a five-stage dialogue-to-action model that focuses on transforming change-blocking relationships in order to address issues of social and political differences more effectively. Students will learn the principles and practices of Sustained Dialogue, and they will develop skills for participating in and moderating positive, productive exchanges on challenging topics.

**NEW121 Outdoor Leadership and Service**

Hours 1

This experiential, service-learning seminar will focus on biodiversity and introduce students to our local environment, local environmental issues, related global environmental issues, and UA's environmental faculty.

**NEW122 Academic Potential**

Hours 2

This course will help students develop practical and efficient strategies for learning in order to succeed in college. Students will learn skills to improve note taking, listening, textbook reading, and time management; as well as methods to reduce text anxiety and improve concentration. Discussion of campus resources and learning styles will also be included in this course.

Prerequisite(s): none

**NEW140 Sexuality and Society***SB*

Hours 3

American society today features more cultural acceptance and legal protection than ever before for sexual and gender diversity, but we don't always know how to live out these changing norms and how to talk about controversial sexual material in the public sphere. This course engages debates around sexuality as central to human behavior and to social structures, in both America and the world. It provides an overview of the "new sexual revolution" and the growing interdisciplinary field of sexuality studies. The course adopts a consent-based model of sexual wellbeing. Its approach is sex-positive—aiming toward sexual justice, responsibility, and pleasure—within a classroom that functions as an open and affirming space for discussion and learning. Students gain the knowledge, critical thinking skills, and cultural competence to evaluate for themselves issues of sexuality in society.

Social and Behavioral Sciences

**NEW201 Recreation For Life**

Hours 1

In this course (designed by the student and his or her advisor using the out-of-class learning contract), the student agrees to participate in some form of physical activity that might result in a lifelong interest. These include jogging, swimming, cycling, etc. This course will frequently include a reading requirement relating to the activity.

**NEW211 Perspectives in the Humanities***HU*

Hours 4

Introductory course in the humanities (art, literature, music, etc.) with a focus on problem solving, risk taking and communication. Human behavior and writing skills are stressed.

Humanities

**NEW212 Creativity***FA, HU*

Hours 4

This interdisciplinary seminar uses creativity as an organizing principle. Human culture and consciousness are explored through reading, writing, the arts, projects, studios, and discussion.

Fine Arts, Humanities

**NEW213 Honors Creativity***FA, HU, UH*

Hours 4

This honors interdisciplinary seminar uses creativity as an organizing principle. Human culture and consciousness are explored through reading, writing, the arts, projects, studios, and discussion.

Fine Arts, Humanities, University Honors

**NEW215 Perspec. on Env. Literature***HU*

Hours 4

Considers perspectives on environmental studies within the humanities by examining key texts of environmental literature.

Humanities

**NEW216 Digital Making: Creativity and Computers***FA*

Hours 4

This fine arts seminar uses creative work with digital tools as its organizing principle. Human culture, the creative process, and creative expression are explored through written texts, digital media, research, oral and written reports, journals, and individual and group projects. The class goal is to gain a deeper understanding of creativity, innovation and interdisciplinarity in the arts by using computer technology to make creative work. Students will learn through research, hands-on work on creative projects and collaborative work with peers.

Fine Arts

**NEW226 Organic Farming**

Hours 4

An intensive, hands-on course in organic farming taught at a local working farm. Covers the basics of organic farming while also addressing questions about organic versus industrial agriculture models in relation to current environmental problems and solutions.

**NEW230 Environmental Studies**

Hours 4

This course engages students in the study of environmental problems and solutions. It includes an examination of fundamental assumptions about the ethical human-nature relation and of how to value nature. The approach is interdisciplinary, drawing on the humanities, social sciences, and natural sciences.

**NEW237 Social Problems and Social Change***SB*

Hours 4

This seminar explores significant social problems in contemporary society and the complex ways in which social change occurs. Students investigate and seek solutions for current social problems. This course has a 12 hour service-learning component.

Social and Behavioral Sciences

**NEW238 Social Problems and Social Change***SB, UH*

Hours 4

This honors seminar explores significant social problems in contemporary society and the complex ways in which social change occurs. Students investigate and seek solutions to current social problems. This course has a service learning component that may involve 12 service learning hours outside of class time.

Social and Behavioral Sciences, University Honors

**NEW243 Interdisciplinary Sciences***N*

Hours 4

This seminar demonstrates how the nature of the laboratory experience plays an essential role in the understanding and advancement of science. Several multidisciplinary experiments are performed in geology, chemistry, physics, and biology.

Natural Science

**NEW270 Leader Soc Justice Activism***SB*

Hours 3

This course introduces students to the leadership principles that have been effective in bringing about major cultural reforms. Students will explore the methods by which reformers have addressed social injustice. The goal of the course is to: 1) prepare self-reflective students equipped with an awareness of national and international social justice initiatives; and 2) develop an understanding of the methods by which cultural change occurs. Throughout the course, students will have the opportunity to explore the issues that they value and the role leadership serves in voicing those values.

Social and Behavioral Sciences

**NEW273 Social Issues & Ethics***SB*

Hours 4

This seminar is designed to develop an awareness of the methodologies and concerns of the social sciences as they relate to ethical inquiry. The primary focus is on the nature of inquiry and models for the analysis of ethical issues confronting the modern world. Students will explore the complexity of moral dilemmas and effective societal responses to competing moral obligations in the areas of health care, socio-economic disparities, affirmative action, immigration, and racism.

Social and Behavioral Sciences

**NEW300 Outdoor Leadership**

Hours 3

The goal of this course is to prepare students to successfully and safely plan and lead small group excursions into wilderness, backcountry, and front-country outdoor areas using various outdoor recreational activities as a medium. There will also be an emphasis placed on teaching technique and presentation skills as students will be required to present information to the class.

Prerequisite(s): none

**NEW310 Independent Study**

Hours 1-15

A student desiring to pursue an academic interest for which no University class is available may plan their own scholarly, creative or skills-based "course" for graded credit through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed study: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with New College, from which contract forms are available online, and with a faculty member or another authority qualified to assist and assess the study. The number of graded credit hours awarded for Out-of-Class Learning is based, in part, on the breadth or depth of the study and is subject to approval by the contract advisor and director of New College. All New College Independent Study contracts require relevant reading and writing of some kind.

**NEW311 Independent Study**

Hours 1-12

A student desiring to pursue an internship or other academic interest for which no University class is available may plan an experiential or other "course" for pass-fail credit through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed internship or course: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with New College, from which contract forms are available online, and with a faculty member, internship supervisor, or another authority qualified to assist and assess the study. The number of pass-fail credit hours awarded for Out-of-Class Learning is based, in part, on the breadth or depth of the experience or study and is subject to approval by the contract advisor and director of New College. All New College Independent Study contracts require relevant reading and writing of some kind.



**NEW312 Independent Study**

Hours 1-12

A student desiring to pursue an academic interest for which no University class is available may plan their own scholarly, creative or skills-based "course" for graded credit through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed study: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with New College, from which contract forms are available online, and with a faculty member or another authority qualified to assist and assess the study. The number of graded credit hours awarded for Out-of-Class Learning is based, in part, on the breadth or depth of the study and is subject to approval by the contract advisor and director of New College. All New College Independent Study contracts require relevant reading and writing of some kind.

**NEW313 Independent Study**

Hours 1-12

A student desiring to pursue an internship or other academic interest for which no University class is available may plan an experiential or other "course" for pass-fail credit through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed internship or course: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with New College, from which contract forms are available online, and with a faculty member, internship supervisor, or another authority qualified to assist and assess the study. The number of pass-fail credit hours awarded for Out-of-Class Learning is based, in part, on the breadth or depth of the experience or study and is subject to approval by the contract advisor and director of New College. All New College Independent Study contracts require relevant reading and writing of some kind.

**NEW314 Independent Study**

Hours 1-12

A student desiring to pursue an academic interest for which no University class is available may plan their own scholarly, creative or skills-based "course" for graded credit through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed study: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with New College, from which contract forms are available online, and with a faculty member or another authority qualified to assist and assess the study. The number of graded credit hours awarded for Out-of-Class Learning is based, in part, on the breadth or depth of the study and is subject to approval by the contract advisor and director of New College. All New College Independent Study contracts require relevant reading and writing of some kind.

**NEW315 Independent Study**

Hours 1-12

A student desiring to pursue an internship or other academic interest for which no University class is available may plan an experiential or other "course" for pass-fail credit through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed internship or course: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with New College, from which contract forms are available online, and with a faculty member, internship supervisor, or another authority qualified to assist and assess the study. The number of pass-fail credit hours awarded for Out-of-Class Learning is based, in part, on the breadth or depth of the experience or study and is subject to approval by the contract advisor and director of New College. All New College Independent Study contracts require relevant reading and writing of some kind.

**NEW316 Independent Study**

Hours 1-12

A student desiring to pursue an academic interest for which no University class is available may plan their own scholarly, creative or skills-based "course" for graded credit through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed study: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with New College, from which contract forms are available online, and with a faculty member or another authority qualified to assist and assess the study. The number of graded credit hours awarded for Out-of-Class Learning is based, in part, on the breadth or depth of the study and is subject to approval by the contract advisor and director of New College. All New College Independent Study contracts require relevant reading and writing of some kind.

**NEW317 Independent Study**

Hours 1-12

A student desiring to pursue an internship or other academic interest for which no University class is available may plan an experiential or other "course" for pass-fail credit through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed internship or course: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with New College, from which contract forms are available online, and with a faculty member, internship supervisor, or another authority qualified to assist and assess the study. The number of pass-fail credit hours awarded for Out-of-Class Learning is based, in part, on the breadth or depth of the experience or study and is subject to approval by the contract advisor and director of New College. All New College Independent Study contracts require relevant reading and writing of some kind.

**NEW318 Independent Study**

Hours 1-12

A student desiring to pursue an academic interest for which no University class is available may plan their own scholarly, creative or skills-based "course" for graded credit through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed study: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with New College, from which contract forms are available online, and with a faculty member or another authority qualified to assist and assess the study. The number of graded credit hours awarded for Out-of-Class Learning is based, in part, on the breadth or depth of the study and is subject to approval by the contract advisor and director of New College. All New College Independent Study contracts require relevant reading and writing of some kind.

**NEW319 Independent Study**

Hours 1-12

A student desiring to pursue an internship or other academic interest for which no University class is available may plan an experiential or other "course" for pass-fail credit through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed internship or course: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with New College, from which contract forms are available online, and with a faculty member, internship supervisor, or another authority qualified to assist and assess the study. The number of pass-fail credit hours awarded for Out-of-Class Learning is based, in part, on the breadth or depth of the experience or study and is subject to approval by the contract advisor and director of New College. All New College Independent Study contracts require relevant reading and writing of some kind.

**NEW321 Independent Study**

Hours 1-12

A student desiring to pursue an academic interest for which no University class is available may plan his or her own "course" through Out-of-Class Learning. A contract, or agreement, with New College is prepared by the student, in which the student identifies a variety of features of the proposed study: its goals and objectives, the methodology and resources to be employed in the attempt to meet the goals and objectives, and the procedure by which the study will be evaluated upon its completion. The process of preparing the contract should be in cooperation with the New College office, from which contract forms may be procured, and with a faculty member or other authority qualified to assist and assess the study. Credit hours awarded for Out-of-Class Learning are available, relative to the breadth or depth of the study, and subject to approval of the advisor to the study and director of the New College.

**NEW332 Experimental Music**

W

Hours 3

This course will introduce you to a variety of theories and practices of musical experimentalism in a global context. We'll begin by defining what experimental music is – what is the impulse that drives some artists to push outside the realms of their traditions, or even outside what is normally called music? Rather than limiting our view to experimentalism in Western art music, as has largely been the case in surveys of this subject, we will also listen to and study experiments in jazz, rock, hip hop, reggae and other global musics to put the experimentalist aesthetic in a broad historical and cultural context. In addition to critical reading, discussion and listening we will perform experimental music compositions to encourage a "hands-on" engagement with the subject. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): N/A

Writing

**NEW333 CIEL Internship**

Hours 9-15

This course serves as the course students register for as part of the exchange program with the Consortium for Innovative Environment in Learning. Students pay tuition to UA but actually study as a full-time student at one of the 12 CIEL sister institutions.

**NEW334 Everyday Forestry in Alabama**

Hours 3

This course will prepare students to understand natural resource practices to better manage one's woodlands in a rural or urban situation. This course is for any student interested in basic forestry management techniques and should serve future home and land owners, individuals interested in conservation issues, and as an introduction to a broader field for students with professional interest in forestry or environmental studies. This course will discuss basic forest management concepts in order to improve the woodland's habitat according to the objectives of a landowner. Students will learn how to identify all major tree species in Alabama as well as all major forest insects and diseases. Other topics that will be discussed will include compass and pacing, forest site evaluation, timber estimation, topographic map interpretation, and invasive woodland species. This course does not presuppose any previous knowledge and no prerequisite is required. Much of this course will include "hands-on" outdoor field trips.

Prerequisite(s): None

**NEW335 Everyday Wildlife In Alabama**

Hours 3

The goal for this course is to prepare students to understand creative uses of managing wildlife species according to management objectives. This course is intended for any student interested in basic wildlife management techniques and should serve future home and land owners, individuals interested in conservation issues, and as an introduction to a broader field for students with professional interest in environmental studies or natural resources. This course does not presuppose any previous knowledge and no prerequisite is required.

Prerequisite(s): none

**NEW337 Designing and Maintaining a Sustainable Home Landscape**

Hours 3

The purpose of this course is to prepare and encourage students to incorporate the principles of sustainability and the ethics of permaculture into their home or apartment landscape. This course is intended for any student interested in learning the basics of sustainable gardening, water management, pest management, and the use of native plants to provide a backyard habitat for birds and wildlife. No prerequisite is required.

Prerequisite(s): none

**NEW338 New College Review I**

Hours 2

This workshop provides students with practical experience in writing and publishing a special interest publication, the New College Review. Students gain experience in thematic approaches to a publication, concept formation for an audience, socially responsible publishing, and writing and editing persuasive essays. Students are strongly encouraged to take both.

**NEW339 New College Review II**

Hours 2

This workshop provides students with practical experience in writing and publishing a special interest publication, the New College Review. Students edit, design, and distribute the New College Review. Students are strongly encouraged to take both NEW 338 and NEW 339 in sequence.

**NEW360 Sound Studies**

W

Hours 3

How do we experience, define, use and abuse sound? What elements of a sound determine their meaning to us, and why? What can we learn about the world by focusing on its sounds? An emerging interdisciplinary field of research, sound studies asks these questions and more, in an attempt to uncover the important role of sound in our lives. Why do shopping malls sound like they do? What do cellphone ringtones tell you about a person? How has the changing soundscape of the ocean affected natural processes and wildlife? Why do clocktower bells ring? How is music used to both soothe, entertain, and torture or control people? This interdisciplinary course explores sound in a variety of current and historical global contexts – of which music is only one small part – examining the many ways sound signifies and defines our cultures and histories. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): N/A

Writing

**NEW365 Introduction to Environmental Policy**

Hours 3

This introductory environmental policy course reviews major developments in environmental regulation in the United States, considered in a global context. Readings examine the evolution of U.S. environmental policy, the form and function of social institutions used to govern human-environment interactions, including markets, state and civil society, and conventions, norms, and morals. U.S. and U.N. legal structures, agencies, and NGOs are addressed, with attention to comparative regulatory frameworks. The “new institutional approach,” “resource regimes,” and various incremental and transformative institutional reforms are discussed. The impact of economic and cultural factors—including class, race, gender, and location—on resource use and other policy decisions affecting the physical and built environments will be explored. Evolving institutional approaches to energy use, such as sustainability, “wise use,” adaptive management, and resilience are examined. This course is cross-listed with PSC 365.

Prerequisite(s): No prerequisites.

**NEW390 Special Topics**

Hours 3-4

Subject matter varies. New College Special Topics seminars vary by instructor-chosen theme, but all are highly interactive courses that enable students to critically engage content in responsible ways. Each seminar is designed to explore interdisciplinary approaches to a particular issue or theme.

**NEW399 Civic Leadership Development**

Hours 3

A 2016 Pew Research study found that the political polarization in the U.S. continues to deepen and grow more hostile, and the widening economic disparities predicted by the July 2019 McKinsey Global Institute report *The Future of Work in America* are likely to further accentuate our national divides. In response to these alarming trends, this course takes an innovative approach to prepare students to be citizens more capable of addressing a politically divisive environment, locally and globally. Serving as a civic learning “laboratory,” the Civic Leadership Dialogues offer students the opportunity to acquire the “democratic knowledge and capabilities” that can only be “honed through hands-on, face-to-face, active engagement.”

**NEW400 Sporting Conservation**

Hours 3

This course is designed to provide students with an historical and contemporary understanding of the role that sportsmen and women play in the conservation and management of fish, game, and non-game species. Special attention will be given to sporting organizations and their role in the conservation and management of our nation's natural resources. This course will also introduce students to important concepts within the wildlife and game management fields such as predator control, population dynamics, predator-prey relations, and introductory genetics.

**NEW401 Birds and Birding**

Hours 4

This course will introduce students to the popular hobby of birding or bird watching. As such, basic field identification methods will be reviewed and practiced. We will also discuss larger conservation issues as they relate to birds. As we will learn, the phrase “canary in a coal mine” has very practical implication for the modern terrestrial world. We will also discuss the cultural connection between people and birds, and what that has meant for both the destruction and conservation of birds during the past couple of centuries.

**NEW403 Interdisciplinary Perspectives in Global Health**

W

Hours 4

This seminar explores global health from the perspective of multiple disciplines and from a number of geographic scales from the local to the global. Collectively students will examine major global health determinants, challenges, programs and policies. Students will analyze past, current and emerging global health priorities with a focus on emerging infectious diseases, chronic disease burden in both the developed and developing worlds, health systems across the world, major global health initiatives, and health inequity with associated challenges such as poverty and conflict. This course will contain a heavy focus on case studies and experiential learning, including field trips and service learning activities. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW407 Landscapes of the South**

W

Hours 3

A study of environmental and cultural landscapes of the American South, as altered and used by successive waves of native peoples, explorers, immigrants, laborers, industrialists, and urban builders, addressing historical and contemporary environmental challenges. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW410 Writing Culture: Ethnography in Theory & Practice**

W

Hours 3

What does it mean to write about a culture? What can we discover about our environment by talking to people and listening to their stories? How do we learn enough to express something of their essence through words on a page? This course will engage with these and other issues surrounding the act of ethnography (the writing and interpretation of people's lives and cultural practices) through a combination of theoretical and practical approaches. Students interested in anthropology, journalism, sociology, storytelling, cultural criticism, filmmaking, folklore, the arts, social work and oral history will learn useful skills and gain practical experience that can be applied to their own work. We will read critical theory that discusses the role and craft of ethnography. We will examine a range of existing research on a number of global topics that use a variety of disciplinary approaches. Finally, as a research team, we will pursue self-designed research projects to begin the first stage of an “ethnographic map” of our region of Alabama, to learn new things about the world in our backyard and produce a website to share our findings. Interested students should be aware that the second half of the class will likely involve a significant amount of individual or group research in place of traditional course meeting times. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW411 So You Like To Write: A Writing Workshop Open to All Genres**

Hours 3

Are you passionate about your writing? This New College seminar provides a supportive space for writers of all abilities to work on their own projects. The workshop provides friendly peer review and group study of the craft of writing. We'll learn about the publishing industry from visiting authors, editors, and agents. Invited genres include: science fiction and fantasy; fanfiction, children's literature and young adult, poetry; song lyrics, erotica and romance, film and TV treatments and scripts, memoir and creative nonfiction (travel writing, science writing, food writing, etc.), devotional or inspirational writing, general fiction (in short story and novel form), graphic novels, experimental form and fiction, and more.

**NEW412 Songwriting Workshop**

W

Hours 4

This songwriting workshop focuses on how songs are made. After a brief study of various popular song genres (e.g., blues, troubadour, folk) students will produce their own songs. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW415 Gender, Sexuality & Pop Culture**

W

Hours 3

What constitutes "femininity" and "masculinity" in 21st century America? How have gender roles changed? Is gender performance? What are the cultural expectations around sexuality, and how is it influenced and policed in society? Includes professor's current case research in this field. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW416 American Environmental Thought**

W

Hours 3

Popular conceptions of nature hold extraordinary power in shaping our responses and policies toward both the geophysical world and built environments. This interdisciplinary course examines key concepts and controversies in American thought about nature since before colonization. Using accounts from various regions, the course explores evolving conceptions of nature and justice, competing claims about race and class, and changing institutional responses and remedies to environmental degradation in the context of global change. The course is highly interactive, inviting critical thinking about the human place in the physical world. We read and discuss ecological views as presented in colonial writings, slave narratives, Transcendentalist thought, Gilded Age preservationist and conservationist debates, and the work of Progressive Era occupational health specialists and ecologists. We give specific attention to twentieth century social movements for environmental public health, examining contemporary approaches, including eco-feminism, environmental justice, and sustainability. We identify different disciplinary approaches, among them environmental history, ecological anthropology, sociology, and geography, and explore conceptual links between disciplines. A brief introduction to research methods, utilizing qualitative techniques, case studies, and specialized data sources, will be included. Journal articles, law review essays, regulatory documents, court decisions, and films supplement classic texts as we examine race, ethnicity, gender, poverty, and other factors shaping environmental health. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW418 Mash-Up: Intermedia Intersections in the Arts**

W

Hours 3

This interdisciplinary course discusses intermedia intersections in 20th and 21st century art and music through lectures, discussions and interactions with visiting artists. We will examine the cultural and historical roots of intermedia art, the outpouring of experimentation in the 20th century avant-garde, and the postmodern pastiche of the digital realm in the 21st century. Spanning work created for galleries, to art and music from urban streets and rural villages, we will explore examples from the visual arts, dance, music, film and architecture to learn how and why artists work with and combine different media. In addition to engaging with a variety of artistic works, we will discuss the cultural, philosophical, theoretical, and compositional issues that meet at intermedia junctions. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW420 Cultural Studies**

W

Hours 3

This seminar provides an introduction to the key concepts, methodologies, and practice of Cultural Studies, focusing primarily on issues of cultural consumption, representation, audience, identity, and everyday life. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW422 Girls' Culture**

W

Hours 3

This interdisciplinary seminar introduces students to the key debates, concepts, and questions raised by the emerging field of Girls' Studies. The course will examine the history and social construction of girlhood in the 20th and 21st centuries, as well as draw on girls' lived experiences, activism, and cultural productions, in order to challenge established definitions of "girls" and "girlhood." Writing proficiency within this discipline is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW434 Documenting Justice I**

Hours 3

Interdisciplinary course in ethnographic filmmaking, focusing particularly on analyzing the many dimensions of culture and social experience. Students produce a short documentary film on a story of justice or injustice in Alabama. A two semester course.

**NEW435 Documenting Justice II**

Hours 3

Interdisciplinary course in ethnographic filmmaking, focusing particularly on analyzing the many dimensions of culture and social experience. Students produce a short documentary film on a story of justice or injustice in Alabama. A two semester course.

Prerequisite(s): NEW 434

**NEW436 Public Leadership**

W

Hours 4

This seminar helps students develop the understanding and skills necessary for the practice of public leadership. The course emphasizes framing public issues for discussion and leading the decision making necessary to set the direction of public policy. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW438 Overview of American Law**

W

Hours 4

This course will teach students key components of the American legal system using popular literature, current events, and academic readings. Through written assignments, presentations, and discussion, students will gain knowledge about various bodies of law, conceptions of law / justice, and the implications of law and American culture on one another. This course will benefit students who plan to attend law school, those considering law school, and those who want to expand their legal literacy. Students will learn concepts relevant to: criminal law, torts, contracts, wills / trusts, constitutional law, and procedure / evidence. Further, students will learn how to write about legal issues using the vocabulary of the domain of knowledge. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): None.

Writing

**NEW439 Urban Spaces: The Nature of Cities**

W

Hours 3

This interdisciplinary social science course provides an introduction to the cultural and physical ecology of cities, focusing primarily on urbanization in the United States from the late 19th century to the present. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW441 Climate Change Seminar**

W

Hours 4

This seminar introduces students to the science of global climate change and examines public perception and coverage of the topic in various news media outlets, films, and books. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW442 Environmental Ethics and Problems**

W

Hours 3

This upper level writing intensive seminar explores the ethical dimensions of ecological relationships, with particular attention to conceptions of nature, justice, and environmental health. We will consider classical ethical concepts, such as utilitarianism and natural law theories, and contemporary environmental approaches, including biocentrism, deep ecology, environmental justice, eco-feminism, and sustainability. This course will be highly interactive, inviting critical thinking about changing ideas about the human place in the natural world. Examining various case studies, we explore the ethical debates surrounding such topics as populations, genetically altered crops, global climate change, biodiversity, and emerging crises in global environmental public health. Readings also address corporate responsibility, science ethics, and public policy. We will consider the ethics of sustainability from the campus to the transnational level. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. The course has New College designations for Environment, Sustainability, and Conservation (ESC) and Social Problems and Social Change (SPSC).

Writing

**NEW445 Technology and Humans**

W

Hours 3

This interdisciplinary seminar provides an introduction to the key debates and questions raised by the increasingly close relationship between humans and advanced technologies. The course will draw on critical works, as well as narrative fiction and popular culture texts, to examine how a dependence on technology might change the very definition of "human" and what subsequent ethical, psychological, and philosophical dilemmas result from this close relationship. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW450 Conservation Field Studies in Belize**

Hours 6

Study Belize's diverse rainforests, coral reefs, and visit Mayan ruins for a glimpse into a past civilization. Belize is unique in that it still contains relatively undisturbed rainforests and the longest barrier reef in the Western Hemisphere. However, while Belize has emerged as an international leader regarding conservation efforts, threats from climate change, poverty, and development still exist. The purpose of this course is 1) examine current conservation efforts to safeguard this biodiversity; 2) familiarize students with the most important aspects of tropical lowland terrestrial and marine ecosystems; 3) understand the role of local culture in sustainable conservation; 4) gain an understanding of the fundamental importance of biodiversity; and 5) expose students to new and unique cultures and environments. The course is designed for students who are interested in conservation issues, biogeography, marine sciences, ornithology and birding, archaeology, and outdoor adventures! The trip will be divided between a rainforest and a marine field station located next to the barrier reef. So we will have easy access the most diverse environments on the planet.

**NEW472 Social Change**

W

Hours 4

This seminar is concerned with the process and analysis of social change. In this seminar, students study the Holocaust, attempting to understand it as an intense and unparalleled human experience. The causes, events, outcomes, and implications are researched through books, films, interviews, tapes, and discussions. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**NEW474 Survival**

Hours 4

In this seminar, students study the nature of human and societal survival under extreme conditions. Topics range from issues of a global nature to violent crime, prejudice, and disease. Causes, effects, and possible solutions are all considered.

**NEW480 Leadership Practicum**

Hours 3

This course offers a practicum experience for students pursuing the Civic Engagement and Leadership minor, New College students pursuing a depth study in an area related to civic engagement and/or leadership, and student leaders with significant campus or community leadership experience. The course will assist students in applying the theoretical knowledge gained in their academic study of civic engagement and leadership to a professional context of their choosing through a carefully designed and implemented leadership project. Upon completion of the leadership practicum, students will submit a portfolio documenting their professional growth as a leader.

Prerequisite(s): NEW 237 or NEW 238 and PHL 292 or NEW 273

**NEW484 Church, State and American Education**

Hours 3

A critical look at the role of religion in public education, the separation of church and state in American education, and educational policies emanating from debates about the separation of church and state.

**NEW490 Special Topics**

Hours 3-6

Subject matter varies. New College Special Topics seminars vary by instructor-chosen theme, but all are highly interactive courses that enable students to critically engage content in responsible ways. Each seminar is designed to explore interdisciplinary approaches to a particular issue or theme.

**NEW495 Capstone Sem & Senior Project**

Hours 2

The Senior Project, completed by all New College students in their senior year, gives students the opportunity to put into practice interdisciplinary and integrative methods of scholarship while integrating and refining knowledge of their depth study area. Projects must result in a piece of interdisciplinary writing and a twenty-minute oral presentation at the New College Senior Research Symposium, and may include other components as well. This course also includes a mentoring component wherein seniors work with incoming New College students. Senior standing in New College and completion of the Third Year Review is required to enroll.

**NSE401 National Student Exchange A**

DX

Hours 12

*No description available*

Dining Dollars Exempt

**NSE402 National Student Exchange B**

DX

Hours 12

*No description available*

Dining Dollars Exempt

**PH101 General Physics I**

N

Hours 4

Lectures and laboratory. An algebra-based introductory course including classical mechanics and thermodynamics. Topics include: kinematics, Newtonian dynamics, conservation of energy and momentum, rotational motion, oscillations and waves, kinetic theory of gases, and thermodynamics. Degree credit can only be awarded for one of the following: PH 101, PH 105, or PH 125.

Prerequisite(s): MATH 113 or MATH 115 or MATH 125 or MATH 145

Natural Science

**PH102 General Physics II***N*

Hours 4

Lectures and laboratory. An algebra-based introductory course including electricity and magnetism, optics, and modern physics. Topics include: electrostatic force and fields, electrical energy, capacitance, resistance, dc circuits, magnetism, induction, ac circuits, electromagnetic waves, geometric optics, wave optics, relativity, quantum mechanics, atomic physics, and nuclear physics. Degree credit can only be awarded for one of the following: PH 102, PH 106, or PH 126.

Prerequisite(s): PH 101 or PH 105 or PH 125

Natural Science

**PH105 General Physics W/Calc I***N*

Hours 4

Lectures and laboratory. This is an introductory calculus-based course covering classical mechanics, conservation laws, oscillations, waves, and thermal phenomena. Two course format options may be offered: a studio format with integrated lectures and laboratories and a non-studio format in which lectures and laboratories meet separately. Degree credit can only be awarded for one of the following: PH 101, PH 105, or PH 125.

Prerequisite(s): MATH 125 or MATH 145

Natural Science

**PH106 General Physics W/Calc II***N*

Hours 4

Lecture and laboratory. Introductory calculus-based course in classical physics, including electricity, magnetism, and optics. Degree credit can only be awarded for one of the following: PH 102, PH 106, or PH 126.

Prerequisite(s): MATH 126 or MATH 146; and PH 101 or PH 105 or PH 125

Natural Science

**PH111 Intro Physics Seminar**

Hours 1

Seminar on current topics in Physics, aimed at a level accessible to all undergraduates. A broad introduction to exciting recent developments in physics, current areas of interest, and ongoing research at UA. Multiple faculty will present seminars, including some based on student suggestions.

**PH115 Descriptive Physics for Non-Science Majors***N*

Hours 4

A non-technical course designed for non-science majors intended to give an introduction to physics with no math prerequisites. Demonstrations and lectures on the chief topics of classical and modern physics and how they relate to everyday life. Credit earned in this course may not be counted toward fulfillment of the requirements for the major or minor in physics. Credit will not be granted for both PH 101 and PH 115. Three lecture hours and one laboratory period.

Natural Science

**PH125 Honors Gen Ph W/Calculus***N, UH*

Hours 4

This is an Honors version of PH 105, primarily intended for Physics majors and Honors students. This is an introductory calculus-based course covering classical mechanics, conservation laws, oscillations, waves, and thermal phenomena. This course is usually offered in the studio format (integrated lectures and labs). Degree credit can only be awarded for one of the following: PH 101, PH 105, or PH 125.

Prerequisite(s): MATH 125 or MATH 145

Natural Science, University Honors

**PH126 Honors Gen Ph W/Calculus II***N, UH*

Hours 4

Lecture, discussion, and laboratory. This is an Honors version of PH 106, primarily intended for Physics majors and Honors students. Introductory calculus-based course in classical physics, including electricity, magnetism, and optics. Degree credit can only be awarded for one of the following: PH 102, PH 106, or PH 126.

Prerequisite(s): MATH 126 or MATH 146; and PH 105 or PH 125

Natural Science, University Honors

**PH253 Intro Modern Physics***N*

Hours 3

Study of topics in modern physics, including special relativity, quantum physics, atomic structure, solid state physics, and selected additional topics (e.g. lasers, molecular physics, the atomic nucleus). NOTE: If the student plans to apply PH 253 toward satisfaction of the N requirement of the University Core Curriculum, PH 255 must also be taken.

Prerequisite(s): MATH 126 or MATH 146; and PH 102 or PH 106 or PH 126

Natural Science

**PH255 Modern Physics Lab***N*

Hours 1

Experimental work in the topics that form the subject matter of PH 253, including special relativity, quantum physics, atomic and nuclear structure, and solid state physics. Successful students will develop their ability to collect and analyze experimental data, interpret the results, and present their findings in a clear, concise, and convincing way. NOTE: If the student plans to apply PH 255 toward satisfaction of the N requirement of the University Core Curriculum, PH 253 must also be taken.

Prerequisite(s): PH 253

Natural Science



**PH301 Mechanics I**

Hours 3

This course is a more rigorous and sophisticated treatment of the classical mechanics topics covered in the introductory courses PH 101/105/125. The treatment is based on differential equations. The list of topics includes vectors, Newtonian mechanics in 1, 2, and 3 dimensions, oscillations, Lagrangian mechanics, gravity and central forces, rotational motion of rigid bodies, non-inertial coordinate systems, and coupled oscillators and normal modes.

Prerequisite(s): MATH 238 and PH 102 or PH 106 or PH 126

Prerequisite(s) with concurrency: MATH 238

**PH302 Intermediate Mechanics**

Hours 3

This course is a more rigorous and sophisticated treatment of the classical mechanics topics covered in the introductory courses PH 101/105/125. The course is based on differential equations, and is particularly intended for students who plan to pursue graduate studies in physics or astronomy. The list of topics includes Newton's laws, projectile motion, energy, momentum and angular momentum conservation, oscillations, calculus of variations, Lagrangian formalism, two-body central forces, rotation of rigid bodies, coupled oscillators and normal modes. Some aspects of nonlinear motion and chaos, Hamiltonian mechanics, collisions, and special relativity may also be covered.

Prerequisite(s): PH 102 or PH 106 or PH 126

Prerequisite(s) with concurrency: MATH 238

**PH331 Elect & Magnetism I**

Hours 3

Vector analysis, electrostatics and magnetostatics, potential, and electric and magnetic fields in matter.

Prerequisite(s): PH 102 or PH 106 or PH 126; and MATH 238

Prerequisite(s) with concurrency: MATH 238

**PH332 Elect & Magnetism II**

Hours 3

Electrodynamics, conservation laws, electromagnetic waves, radiation, and relativity.

Prerequisite(s): PH 331

**PH354 Intermediate Modern Physics**

Hours 3

The course provides an introduction to the topics of modern physics based on a theoretical approach. Topics include: the theory of special and general relativity with applications to black holes and cosmological models; particle physics and basic aspects of the standard model; nuclear physics with applications; fundamental interactions and symmetries; astrophysics of stellar evolution and celestial objects.

Prerequisite(s): PH 253

**PH405 Physics For Science Teachers**

W

Hours 3

Selected topics in contemporary physics for high-school and post-secondary science teachers. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**PH411 Biophysics**

Hours 3

Physics of biological systems: proteins, lipids, nucleic acids, supramolecular structures, and molecular motors; structure, function, energetics, thermodynamics, bionanotechnology. Emphasis on systems that are best understood in physical and molecular detail.

**PH412 Physics Pedagogy**

Hours 1

This is a course in teaching methodologies for introductory physics, based on recent results from physics education research.

Prerequisite(s): None

Prerequisite(s) with concurrency: None

**PH434 Digital Electronics**

Hours 3

Two laboratory periods. Theory and practical application of digital integrated circuits, including gates, flip-flops, and counters. Computer data acquisition, D/A and A/D conversion, communication and instrument control fundamentals using LabView.

**PH441 Quantum Structure of Matter I**

Hours 3

Wave functions, time-independent Schroedinger equation, mathematical tools of quantum mechanics, quantum mechanics in three dimensions, identical particles. No graduate credit will be awarded for PH 441.

Prerequisite(s): PH 253 and PH 331 and PH 301 or PH 302

Prerequisite(s) with concurrency: MA 237

**PH442 Quantum Structure of Matter II**

W

Hours 3

Time-independent perturbation theory, variational principle, WKB approximation, time-dependent perturbation theory, adiabatic approximation, scattering theory. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. No graduate credit will be awarded for PH 442.

Prerequisite(s): PH 441

Writing

**PH451 Machine Learning**

Hours 3

The course will cover a mixture of foundational and applied machine learning topics related to practical applications in analysis of large scientific data. Students will learn the theory behind various machine learning algorithms and tools and will learn how to apply them to real-world problems. This course will introduce the fundamentals of machine learning and classification theory based on statistical learning and describe classes of popular algorithms in depth: decision and rule-based methods (decision trees and rules, bagging and boosting, random forests), deep learning-based models (fully connected, convolutional, recurrent, recursive, Bayesian, geometric deep learning and graph neural networks) as well as other machine learning algorithms.

Prerequisite(s): Some familiarity object-oriented programming languages (eg. Python, C++) or numerical computing environments would be useful for completion of the practical exercises.

**PH461 Nuclear and Particle Physics**

Hours 3

An introduction to nuclear and elementary particle physics, this course will cover: nuclear properties, forces, structure and decays; experimental methods in nuclear and particle physics; introduction to the Standard Model of elementary particle physics; the quark model of hadrons; Quantum Electrodynamics; Quantum Chromodynamics and the strong interaction; the weak interaction; electroweak unification, gauge symmetries and the Higgs mechanism.

Prerequisite(s): PH 441

**PH471 Thermal Physics**

Hours 3

Introduction to thermal phenomena on a macroscopic and a statistical basis, and principles and laws governing them. Introduction to energy and entropy formalism and discussion of thermodynamic potentials (Helmholtz and Gibbs). Applications to systems in equilibrium.

Prerequisite(s): MATH 227 or MATH 247 and PH 253

**PH481 Solid State Physics**

Hours 3

This course covers the structure of crystals, the mechanical, thermal, electrical, and magnetic properties of solids, the free-electron model, and the band approximation.

Prerequisite(s): PH 253

**PH482 Topics Physics & Astronomy**

Hours 1-3

Topics in physics and astronomy not covered by existing courses. Repeat credit is allowed for different topics.

**PH490 Honors Seminar In Physics***UH*

Hours 1

A seminar course on current topics in physics and astronomy.

University Honors

**PH491 Advanced Laboratory***W*

Hours 3

Advanced experiments in modern physics. Research, analysis, and reporting of scientific results. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): PH 255

Writing

**PH493 Intro To Research**

Hours 1-3

Credit is by arrangement, but no graduate credit will be awarded for PH 493. Student performs research under supervision of a faculty member.

**PH495 Independent Study I**

Hours 1-3

*No description available*

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**PH496 Independent Study II**

Hours 1-3

*No description available*

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**PHL100 Intro To Philosophy***HU*

Hours 3

Survey of the main topics of philosophy, which may include God, souls, free will, the nature of right and wrong, just government, truth, and knowledge. Offered in the fall and spring semesters.

Humanities

**PHL104 Critical Thinking***HU*

Hours 3

Introduction to the concepts and methods used to identify, construct, and assess arguments as they appear in editorials, articles, ordinary speech, etc.

Humanities

**PHL106 Honors Introduction to Deductive Logic***HU, UH*

Hours 3

In this course, students will learn how to apply the tools of formal logic to philosophical and everyday reasoning. Students will learn to use formal tools of sentential and predicate logic, such as constructing proofs and countermodels, in order to evaluate a variety of arguments. The class will also consider influential arguments from both the history of philosophy and the contemporary literature—arguments that concern such topics as ethics, knowledge, and identity.

Prerequisite(s): C- or better in MATH 100 OR MATH 110 OR MATH 112 OR MATH 113 OR MATH 115 OR MATH 121 OR MATH 125 OR UA Math Placement Test Score of 190 OR ACT Math Subscore of 28 OR SAT Math Subscore of 690 or Admissions to UA Honors

Humanities, University Honors

**PHL120 The Meaning of Life***HU*

Hours 3

What makes a good life? Why should we live one way rather than another? Is there a purpose to life? These are questions that we must all confront whether or not we explicitly think about them or approach them philosophically. One way to approach them philosophically is by thinking about the meaning of life: is there a meaning, and if so, what is that meaning and what is its source? In this class students will analyze questions about meaning, and then learn about and analyze the different ways of answering these questions. Students will look at ancient answers to these questions about meaning, then turn to some western and non-western religious answers, and then how agnostics, atheists, nihilists and existentialists have responded. Students will also look at the views of those who think we can find meaning in the natural world around us. Finally students will look at how science can inform our answers to questions about meaning, in particular through psychology, the brain sciences and evolutionary framework, and how technology may change the way we find or create meaning.

Humanities

**PHL191 Honors Introduction to Philosophy***HU, UH*

Hours 3

Survey of the main topics of philosophy, which may include God, souls, free will, the nature of right and wrong, just government, truth, and knowledge. Restricted to UA Honors students.

Humanities, University Honors

**PHL195 Introduction to Deductive Logic***HU*

Hours 3

In this course, students will learn how to apply the tools of formal logic to philosophical and everyday reasoning. Students will also learn to use formal tools of sentential and predicate logic, such as constructing proofs and countermodels, in order to evaluate a variety of arguments. This class will also consider influential arguments from both the history of philosophy and the contemporary literature—arguments that concern such topics as ethics, knowledge, and identity.

Prerequisite(s): C- or better in MATH 100 or MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125

Humanities

**PHL211 Ancient Philosophy***HU*

Hours 3

This course provides an introduction to some of the most important philosophical ideas, texts, and figures of Ancient Greece and Rome. We will read and discuss a selection of philosophical masterpieces, many of which are literary masterpieces as well, and have exercised an unparalleled influence on the subsequent course of Western Philosophy. Authors to be discussed may include Plato, Aristotle, the Epicureans, Stoics, and Skeptics, as well as some earlier pre-Socratic thinkers. We will be considering the views of these authors on a number of issues, many of which continue to be influential today. These may include their views on ethics, politics, psychology, epistemology, physics, metaphysics, rhetoric, and philosophical method.

Humanities

**PHL212 Early Modern Philosophy***HU*

Hours 3

This course will look at the main figures and intellectual developments of the early Modern period of philosophy. We will proceed chronologically, starting with Descartes's seminal *Meditations on First Philosophy* and tracing two very different branches of influence from there to what are often called the Rationalist and Empiricist schools. Other figures of note will be Locke, Leibniz, Berkeley, Hume, and Kant.

Humanities

**PHL221 Honors Introduction to Ethics***HU, UH*

Hours 3

This course is designed to give the students a broad introduction to the field of philosophical ethics. The primary aim is to acquaint students with the basic subject matter of ethics as it is studied within philosophy, a few central authorities and positions, and a feel for how philosophers engage with contemporary ethical issues in light of some of the historical influences on the discipline. We will read a variety of texts ranging from historical works on ethics generally to contemporary works focusing on specific moral issues. The hope is that students will develop an understanding and appreciation of how different ethical theories apply to particular cases, and how they might begin to engage in genuine ethical debates. Restricted to UA Honors students.

Humanities, University Honors

**PHL223 Medical Ethics***HU*

Hours 3

This class provides an introduction to the philosophical study of applied ethics by way of a discussion of topics related to the practice of medical and biological science. Topics of discussion will include abortion, stem cell research, cloning, the allocation of scarce or limited resources, animal experimentation, and patient autonomy, among others. Along the way, other important topics in moral philosophy will be discussed.

Humanities

**PHL230 Political Philosophy***HU*

Hours 3

This course serves as an introduction to central debates in political philosophy. The major questions we explore are the following: How can the coercive authority the government exercises over its citizens be justified? What does justice require in our society today? What role do democracy, freedom, rights and equality play in our understanding of a just society? Through the study of both historical and contemporary texts, we investigate these topics. We also consider how these issues bear upon debates in the contemporary American context concerning the following: restrictions on free speech, participation in the democratic process, the war on drugs, homelessness, education and socioeconomic inequality.

Humanities

**PHL234 Social Philosophy***HU*

Hours 3

How should we live together? In this course, we seek to answer this question through moral assessment of the institutional rules and cultural norms that shape our interaction with others and the world around us. We specifically consider issues in the following two categories: I. Markets & consumption. In the modern-day economy, we must grapple with important issues concerning the responsibilities of individual consumers and corporations, what goods may be legitimately bought and sold in a free market, and how economic transactions between nations should be structured to count as fair. II. Violence. One of the features thought to make the state distinctive is that it has a monopoly over the legitimate use of force. Given this power, we will examine the legitimate use of violence by the government. Is the death penalty justified? Is the use of torture permissible under any circumstances? How should it deal with terrorists as opposed to traditional combatants in war?.

Humanities

**PHL240 Philosophy and the Law***HU*

Hours 3

This class is an introduction to and survey of philosophical issues in the law, focusing on issues in general jurisprudence such as the nature of law and its relation to morality, the grounds of the legitimacy of legal authority, and the sources of legal normativity and validity. There may also be some discussion of issues in specific jurisprudence such as the value of written constitutions and their interpretations, the nature of extent of legal responsibility, and questions about the authority of non-elected judges. At least one prior course in philosophy is strongly recommended.

Humanities

**PHL243 Philosophical Issues in Constitutional Law***HU*

Hours 3

This is a course exploring major issues in the philosophy of constitutional law. Generally constitutional law is concerned with what powers and responsibilities governments have as well as what the limits on those powers might be, including civil rights. In doing so, constitutions guide official determinations of what counts as legally valid within the relevant jurisdiction. Topics might include debates over the proper way to interpret constitutions, whether constitutions must (or should) be written documents, whether they are necessary (or desirable) in a democracy, the relation between principles of legality set forth in constitutions and moral principles (especially the relation between legal rights and moral rights), and the advisability of official bodies tasked with interpreting and applying the constitution such as the Supreme Court.

Humanities

**PHL256 Philosophy of Sport***HU*

Hours 3

This course will examine some of the major themes in the burgeoning field of philosophy of sport, paying special attention to a number of important ethical issues. We will look at the nature of sports (and games more generally), sportsmanship and fairness, the role of officials, gender equity, racism, and issues surrounding the use of performance-enhancing drugs. This course is reading intensive. Prior exposure to philosophy is welcome but not required.

Humanities

**PHL260 Mind and Nature***HU*

Hours 3

This course is framed around two questions. First, what is the place of the mind in nature? Second, what is the place of nature in the mind? The first question is a form of mind/problem, which concerns the relationship between mental phenomena such as consciousness and the physical world. The second question is a part of the epistemology, the philosophy of knowledge, and concerns the nature and scope of human knowledge.

Humanities

**PHL261 Philosophy, Psychology, and Neuroscience***HU*

Hours 3

Recent results in psychology and neuroscience have relevance to perennial topics in philosophy such as free will, rationality, ethics, and religion. Additionally, the philosophical knowledge accumulated over aeons on these topics continue to inform psychological and neuroscientific research into these areas. This class surveys the give and take between these fields that has occurred over the last few decades, with a keen eye to seeing how the cognitive sciences have helped further the debate over some of these often ancient philosophical issues.

Humanities

**PHL264 Introduction to Metaphysics***HU*

Hours 3

Topics may include proofs for the existence of God, the nature of reality, free will and determinism, personal identity, and the nature of time.

Humanities

**PHL290 Special Topics in Philosophy**

Hours 1-3

This course offers introductory-level study of a special philosophical topic that is not a part of the Department's regular course offerings.

**PHL291 Aesthetics***FA*

Hours 3

In this course, we will be introduced to some of the most fundamental concerns about art: What is distinctive, if anything, about the experience of artworks? Why do we identify anything as a work of art? How do we, or should we interpret an artwork? On what grounds can we criticize an artwork?

Fine Arts

**PHL292 Introduction to Ethics***HU*

Hours 3

Introduction to competing views of how one ought to live, designed to promote the development of a reasoned view of one's own. May include such topics as ethical relativism, the nature of justice and of rights, and the relationship of law and morality.

Humanities

**PHL293 Environmental Ethics***HU*

Hours 3

This is a survey course in environmental ethics. Students will be introduced to philosophical debates on a range of contemporary environmental issues. Centrally, we will consider how traditional ethical reasoning, which focuses on humans, can be extended to analysis of the natural world. We will examine conceptual and normative issues concerning biodiversity, sustainability, animal welfare, climate change, and population growth. We will also take up questions such as the following: What is owed to future generations and to distant others? How should we balance the goals of environmental protection and economic development? What does it mean to be an ethical consumer?.

Humanities

**PHL294 Business Ethics***HU*

Hours 3

"Doing business" is something that permeates our lives. As customers, employees, employers, business owners, and simply as members of a community, we stand in important business relevant relations to others, for which it is appropriate to ask questions about the ethical status of our actions. Are we acting in ethically appropriate ways? To answer this we need to know what principles should govern our actions and what justifies those principles. In this course we will look at case studies in light of standard philosophical theories about what constitutes and justifies normative ethical principles and action.

Humanities

**PHL309 Teaching Practicum**

Hours 3

This course number is for students who are receiving course credit for working as TAs for philosophy classes. Ordinarily, students working as TAs for classes are responsible for taking roll, proctoring and grading tests, and, most importantly, providing tutorial assistance to the students. Specific duties might vary depending on the needs of the class.

**PHL341 Law and Morality***W*

Hours 3

This class explores the moral status of legality and the legal status of morality, the status of unjust laws, and the role of moral judgments of lawmakers. Is a good law one that does good? What is the relation between morality and legal validity? Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**PHL343 Philosophical Issues in International Law***W*

Hours 3

This course explores philosophical issues that arise with respect to the international law. Some of these are conceptual. For instance, what qualifies as 'international law' and in virtue of what characteristics? International laws, norms, and rule-mediated practices are different in character from the laws that govern our lives within the state. Who makes international laws, and who enforces them? A host of normative issues arise with respect to international law too. What if anything gives international legal bodies like the United Nations, the International Criminal Court, and the Appellate Body of the World Trade Organization rightful authority over those who are taken to be bound by their rules? In cases of conflict, do the laws of states trump international laws or vice-versa? We will consider some of the ethical issues surrounding international laws, treaties, and conventions concerning some of the following issues: human rights; war, humanitarian intervention and the use of violence more broadly; trade and economic globalization; the environment and the use of natural resources; immigration and refugees; and intellectual property. You are required to have taken at least two philosophy classes prior to this one, including one at the 200-level or above. If you do not meet this requirement, you must obtain special permission from the instructor. This 3-credit hour course carries a *W* designation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Tentative course requirements: two papers, a final exam, and homework.

Prerequisite(s): You are required to have taken at least two philosophy classes prior to this one, including one at the 200-level or above; or instructor's permission.

Writing

**PHL349 Legal Reasoning**

Hours 3

This class gives you the reasoning skills you need to enter law school and those you need while in law school and beyond. While learning analytical and logical reasoning skills as well as legal research and argument-writing skills, the course covers topics such as problems with rule following and vagueness, the nature and authority of precedent, statutory interpretation, judicial decisions and burdens of proof.

Prerequisite(s): Successful completion of one PHL class with at least a B

**PHL360 Philosophy of Mind***W*

Hours 3

What is the relationship between the mental and the physical? That is the central question in the philosophy of mind, and we will approach it from different angles. We will focus largely on consciousness and its place in nature. Most readings will be from the contemporary literature but some will be historical. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Two philosophy courses or instructor's permission. PHL 260 Mind and Nature is recommended but not required.

Prerequisite(s): Must have taken at least two philosophy courses prior to this course.

Writing

**PHL362 Mind, Language, and Reality***W*

Hours 3

This course concerns the nature of meaning and its connection to metaphysics and epistemology. We will study classic works by Gottlob Frege, Bertrand Russell, Saul Kripke, and others. We will also study more recent work in philosophical semantics and its application to arguments in the philosophy of mind. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Must have taken Introduction to Deductive Logic (PHL 195 or PHL 106) and one other philosophy course, or have instructor's permission.

Prerequisite(s): PHL 195 OR PHL 106 and one other PHL course

Writing

**PHL366 Metaphysics***W*

Hours 3

Advanced study of such traditional metaphysical problems as personal identity, the mind-body problem, action theory, free will, universals, the nature of space and time, creation, causation, and purpose. Must have taken at least two philosophy courses prior to this course. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Successful completion of at least 2 PHL courses.

Writing

**PHL370 Epistemology**

W

Hours 3

This course surveys issues in the philosophical study of knowledge. Typical questions addressed include: What is the nature of knowledge? What are the limits of what we can know? When is a belief justified? What can science tell us about the nature of knowledge or rational thought? Must have taken Introduction to Deductive Logic (PHL 195 or PHL 106) and one other philosophy course, or have instructor's permission. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): PHL 195 or PHL 106 and one other philosophy course, or have instructor's permission.

Writing

**PHL381 Philosophy of Religion**

W

Hours 3

Advanced study of such topics in religion as concepts of God and religion, ritual, atheism, the problem of evil, the nature of religious language, traditional proofs of God, the concept of faith, mysticism, the concept of miracle, and the relation between theism and morality. At least two previous philosophy courses required. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Successful completion of at least 2 PHL courses.

Writing

**PHL386 Philosophy of Science**

Hours 3

This course will cover some of the main topics in philosophy of science: the demarcation of science and pseudoscience, scientific methods, the nature of evidence, scientific progress, and values and science.

Prerequisite(s): None.

**PHL387 Philosophy and Evolution**

W

Hours 3

The "Darwinian Revolution" – the acceptance and development of evolutionary theory - is one of the most significant intellectual events in recent human history. It is significant partly because it has changed the way we understand the world, and the processes that operate within it. But it is also significant for the philosophical issues it raises about scientific method, conceptions of human nature, biodiversity, knowledge, ethics and the arts. This course will examine these philosophical issues raised by the Darwinian revolution. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**PHL388 Art and Human Nature**

W

Hours 3

The arts are seemingly found in all human cultures. Why is this so? Is art deeply embedded in what we might call "human nature"? Philosophers have long thought about the arts in terms of human nature. More recently, there are proposals that we can think about the arts "naturalistically" in terms of what the biological and human sciences tell us about human nature, and the very human tendencies to make and appreciate art of all kinds. This naturalistic turn requires philosophical thinking first about how we should conceive art; second, how we can interpret and evaluate art, and third, how it functions in a variety of cultural and environmental contexts. We will be looking first at some classical theories of art and human nature, then at some naturalistic/scientific theories of art. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Regardless of examination grades, an average essay grade below a "D-" guarantees a course grade of F. Instructor is willing and able to teach writing skills as needed to assist students in meeting the writing requirements of the course. As is appropriate for courses with the W designation, students are expected to produce "coherent, logical, and carefully edited prose" that demonstrates "higher-level critical thinking skills, such as analysis and synthesis. Your writing will be assessed according the following criteria: Organization Clarity of Exposition Accuracy of Exposition Use of Language (precision and concision) Strength of Reasoning Consistent with the University policy, students enrolled in this course must submit an electronic copy of their first essay to Turnitin.com through Blackboard Learn.

Writing

**PHL390 Special Topics in Philosophy**

Hours 1-3

This course offers advanced study of a special philosophical topic or movement that is not a part of the Department's regular course offerings.

Prerequisite(s): Successful completion of at least two PHL courses.

**PHL392 Special Topics in Philosophy (Writing Intensive)**

W

Hours 3

With an emphasis on philosophical writing, this seminar offers advanced study of a special philosophical topic that is not a part of the Department's regular course offerings. Prerequisite: successful completion of at least two PHL courses. PHL 392 may be repeated up to 12 hours. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Successful completion of two PHL courses.

Writing

**PHL393 Hist of PHL: Sp Top (Writing)**

W

Hours 3

Advanced study of a particular philosopher or philosophical movement or problem in the history of philosophy. Must have taken at least two previous philosophy courses or permission of instructor. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Must have taken at least two previous philosophy courses or permission of instructor.

Writing

**PHL409 Research in Philosophy**

Hours 1-3

This course is an opportunity to do self-directed study and writing in an approved topic.

**PHL420 Special Studies in Ethics**

Hours 3

Advanced study of current topics in ethics, which could include study of a particular moral theory or moral problem. PHL 420 may be repeated up to 6 hours.

Prerequisite(s): At least two previous PHL courses, including PHL 292 or PHL 221.

**PHL422 Neuroethics**

W

Hours 3

Due to advances in psychopharmacology and brain imaging, scenarios resembling those of science fiction may soon be upon us: Medications that enhance our memory, cognitive abilities, or happiness could be widely available in the near future, and advances in neuroimaging promise to allow the detection of lying, mental illness, or even level of intelligence. Technologies like these bring a host of ethical questions in their wake, ones pertaining to privacy, justice, and authenticity to self. Issues such as these are what compose the field of Neuroethics, and will be what we look at in this class. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): At least two prior philosophy (PHL) courses, though the instructor waives this requirement under certain circumstances.

Writing

**PHL423 Advanced Seminar in Medical Ethics**

W

Hours 3

This course provides an in-depth examination of some of the central ethical issues encountered by physicians and other medical professionals. Students will acquire breadth in the field of medical ethics as well as engage in an in-depth examination of specific issues. Possible topics include: The physician-patient relationship, the role of physicians and other medical professionals, end-of-life decision-making (advance directives, do not resuscitate orders, palliative care, the definition of death), beginning of life decision-making (genetic counseling and prenatal screening), and the ethics of clinical research, and bias and unequal treatment in healthcare practice. The course is specifically aimed at students who are considering a career in healthcare but will be of interest to anyone who has a special interest in biomedical ethics. This course carries a W designation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): None, although previous coursework in ethics will be helpful.

Writing

**PHL426 The Science of Ethics**

W

Hours 3

Usually science and ethics are taken to be about different things: science is concerned with the facts - how things are; ethics is concerned with value - how things should be. But science has increasingly come to study ethics itself: the grounds and foundation of our ethical thinking and practices in evolution, moral psychology, social psychology and human behavioral ecology. While many philosophers think these scientific investigations of human ethics cannot tell us how we should live, what we should do and what is morally good or bad, others think we can use science to inform our ethics, in part by uncovering our biases and correcting our errors in how we think about ethical questions and topics. In this class we will begin with traditional approaches to ethics based on reason, intuition and faith, then turn to challenges to these approaches based on evolutionary thinking, psychology and human ecology. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing



**PHL430 Oppression**

W

Hours 3

In this course we will study philosophical issues concerning oppression. Students will take up questions about how we should understand social categories such as race and gender: for instance, what does it mean to belong to a certain race, or to be a man or woman? Students will consider the nature and explore the hallmarks of oppression. In particular, significant attention will be devoted to three specific forms of oppression: racism, sexism, and sizism. The class will also consider questions of responsibility—such as whether victims of oppression have a responsibility to resist the oppressive circumstances they face—and questions concerning what forms of civil disobedience might be justified to combat oppression, and on what basis. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Two PHL classes - at least one at the 200 level or above, or permission of the instructor.

Writing

**PHL440 Seminar on Law**

W

Hours 3

This is a course covering a specialized advanced topic in specific jurisprudence. Specific jurisprudence deals with issues relevant to one area of law or legal system. Example topics are issues in criminal punishment, debates over the proper way to interpret the U.S. Constitution, and the dilemmas of privacy law. The Professor will determine the specific topic each semester the course is offered. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**PHL442 Ticking Time Bombs: Philosophy and National Security**

W

Hours 3

As the “ticking time bomb” hypothetical typically goes, you are an intelligence agent or law enforcement officer who has detained the one terrorist with knowledge of how to prevent a large-scale attack. One may contort the hypothetical to make it as heart-rending as possible, but the ultimate question is whether you should torture the detainee in such an extreme scenario. These scenarios raise pressing practical and philosophical questions, but they need not be so extreme. This course examines the central legal and philosophical issues relating to national security, including terrorism, torture, the ethics of intelligence, the national security uses and risks of artificial intelligence, and the balance between security and liberty.

Writing

**PHL448 Philosophy of Law**

W

Hours 3

This is a course covering a specialized advanced topic in general jurisprudence. General jurisprudence deals with issues relevant to law as a whole. Example topics are issues in legal authority, interpretation and rule following, and legal validity. The Professor will determine the specific topic each semester the course is offered. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Grade of B- or better in any 200-level or above Philosophy course, or with instructor’s approval.

Writing

**PHL462 Neural Basis of Consciousness**

W

Hours 3

Consciousness is one of the last great mysteries. Recent years have seen the use of neuroscientific methods to try to understand consciousness, in hopes that this approach succeeds where others failed. This course surveys and analyzes current neuroscientific and philosophical approaches to studying consciousness, the goal being to integrate the two as much as possible. Topics covered include: the relationship between visual consciousness and bodily action; whether higher-order thought is necessary for consciousness; the use of brain lesions in consciousness research; the relationship between attention and consciousness. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): None

Writing

**PHL488 Philosophy of Mental Health**

W

Hours 3

This class will explore a variety of philosophical questions concerning mental health, mental illness, and how we should think about mental health in the context of medical practice more generally. Topics covered may include: Ontology and classification: What makes an illness mental as opposed to physical? When does a mental problem qualify as pathological (and so, get classified as an “illness”) and what are the implications of classifying something as an illness with respect to how we think about and treat it? Research on mental illness: What special challenges arise in studying mental illness? Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): A grade of 'B-' or better in a PHL course at the 200 level or above.

Writing

**PHL489 Philosophy of Medicine***W*

Hours 3

It is difficult to overstate the significance of medicine, in that it affects each of us from birth through death; or the complexity of medicine, in that it involves scientific, conceptual, economic, ethical and philosophical issues. We will here look at three of these issues from a philosophical standpoint: 1) the ways that we conceptualize health and disease; 2) the relation between medicine and science, and the patterns of reasoning associated with medical thinking; 3) the challenge posed by evolution to how we think about medicine, health and disease. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**PHL490 Special Topics in Philosophy**

Hours 1-3

This course offers advanced study of a philosophical topic or movement that is not a part of the Department's regular course offerings. At least two previous philosophy courses or permission from instructor required.

Prerequisite(s): Successful completion of at least 2 PHL courses.

**PHL492 Special Topics in Philosophy (Writing Intensive)***W*

Hours 3

With an emphasis on philosophical writing, this advanced seminar offers study of a special philosophical topic that is not a part of the Department's regular course offerings. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Prerequisite: successful completion of at least two PHL courses. PHL 492 may be repeated up to 12 hours.

Prerequisite(s): Successful completion of at least 2 PHL courses.

Writing

**POR101 Elementary Portuguese I***FL*

Hours 3

This course is the first semester of college-level Portuguese. Emphasis is placed on developing speaking, listening, reading and writing skills in Brazilian Portuguese, as well as the history and culture of the Portuguese-speaking world.

Foreign Language

**POR102 Elementary Portuguese II***FL*

Hours 3

This course is the second semester of college-level Portuguese. Emphasis is placed on further developing speaking, listening, reading and writing skills in Brazilian Portuguese, as well as the history and culture of the Portuguese-speaking world.

Prerequisite(s): POR 101 or consent of instructor

Foreign Language

**POR201 Intermed Portuguese I***FL*

Hours 3

This is the third-semester of college-level Portuguese. Emphasis is placed on refining speaking, listening, reading and writing skills in Portuguese, as well as furthering knowledge of the history and culture of the Portuguese-speaking world.

Prerequisite(s): POR 101 and POR 102 or consent of instructor

Foreign Language

**POR202 Intermediate Portuguese II***FL*

Hours 3

This is the fourth-semester of college-level Portuguese. Emphasis is placed on refining speaking, listening, reading and writing skills in Portuguese, as well as furthering knowledge of the history and culture of the Portuguese-speaking world.

Prerequisite(s): POR 102

Foreign Language

**PSC101 Intro American Politics***SB*

Hours 3

Survey of the principles, political institutions, and practices of American national, state, and local politics. Elucidation of how people can affect government processes and decisions, and how government processes and policies affect people.

Social and Behavioral Sciences

**PSC103 Intro Public Policy**

Hours 3

Survey of problems encountered by American governmental units in fields such as agriculture, welfare, education, health, and business regulation.

**PSC202 Political Science Methods**

Hours 3

Introduction to the conduct of political inquiry and methods of political research.

**PSC203 Comparative Politics**

Hours 3

Theoretical approaches to the comparative study of national political systems.

**PSC204 International Relations**

Hours 3

Survey of the evolution of the modern state system and the basic forces in international relations.

**PSC205 Political Theory**

Hours 3

Survey of fundamental concepts in political theory such as liberty, equality, and authority.

**PSC206 Public Administration**

Hours 3

Study of the administrative principles and practices in the areas of organization, personnel management, budgeting, government regulation, and democratic controls.

**PSC211 State & Local Govt**

Hours 3

Study of the institutions and functions of American state and local governments and their relationship to the political process.

**PSC311 Pol Party & Elections**

Hours 3

Activities of parties and pressure groups in American politics. Attention is given to the social composition, organization, finance, and nominating processes of parties.

**PSC312 Amer Legislative Syst**

Hours 3

Analysis of the politics and processes of the U.S. Congress, including its Constitutional origins, evolution, current structures and rules, elections, and relationships with the public and other political actors.

**PSC313 The American Executive**

Hours 3

Examination of the U.S. Presidency, including its Constitutional origins and historical evolution; current structure, selection, and powers; and relationships with the broader executive bureaucracy, Congress, and the public.

**PSC314 Amer Judicial System**

Hours 3

Introductory analysis of judicial organization, processes, and behavior, with emphasis on the institutional characteristics of the courts.

**PSC315 The Bramble Bush**

Hours 3

Law school is often portrayed as an incredibly challenging endeavor. Law school brings together the smartest students from colleges and universities and pits them in an intense, often times, aggressive environment. From the famed Socratic Method of instruction to quite literally learning Latin terms and phrases and discerning what language in opinions really matters, law school challenges both the mind and the will of those who attend it. Significant for this course, law school will refine the way that one thinks, writes, speaks, and lives. This course aims to prepare its students for the academic, social, and emotional rigor of law school.

**PSC316 Southern Politics**

Hours 3

Examination of the party system of the Southern states in terms of its origin, nature, distribution of power, and impact on national politics.

**PSC318 Constitn Law Limits Gov Power**

Hours 3

Study of the constitutional foundations of federalism and the separation of powers, with emphasis on the role of the Supreme Court.

Prerequisite(s): PSC 101

**PSC319 Con Law Civ Rts and Libs**

Hours 3

Study of the Constitution's protections for civil rights and civil liberties, and the Supreme Court's interpretations of them.

Prerequisite(s): PSC 101

**PSC320 Special Studies In PSC**

Hours 1-3

Supervised independent reading and research. May be repeated for a maximum of 6 hours, with permission of the department.

**PSC321 Special Topics In PSC**

Hours 3

Course content varies from offering to offering. May be repeated for a maximum of 12 hours, with permission of the department.

**PSC322 Special Topics in American Politics**

Hours 3

This course focuses on aspects of US political institutions, attitudes, and/or behavior not typically covered in depth in the department's regular course offerings in American politics. Specific offerings will vary by semester and instructor.

**PSC323 Special Topics in Comparative Politics**

Hours 3

This course covers politics in a country or region not typically covered in depth in the department's regular course offerings, or involves a cross-national analysis of a political institution, issue, policy, or behavior not typically addressed in our regular comparative politics courses. Offerings vary by instructor and semester.

**PSC324 Special Topics in International Relations**

Hours 3

This course addresses aspects of international relations (e.g., diplomacy, trade, conflict, and/or international organizations) not typically covered in depth in the department's regular IR course offerings. Specific offerings vary by semester and instructor. Students must consult the International Studies program director to ascertain whether and/or how a particular edition of this course might apply to the INST major or minor.

**PSC325 Special Topics in Political Theory**

Hours 3

This course addresses theorists, issues, cultures, and/or historical eras not typically covered in depth in the Political Science Department's regular course offerings in Political Theory. Specific topics will vary by instructor and semester.

**PSC326 Special Topics in Public Administration/Policy**

Hours 3

This course addresses issues and/or substantive areas within Public Administration and/or Public Policy that are not covered in depth in the Department's regular course offerings. Specific offerings will vary by semester and instructor. Applicability of specific editions of this course to the Public Policy Minor depends on evaluation by the Coordinator of the Public Policy Minor.

**PSC330 Democratization**

W

Hours 3

Examination of democratization processes and outcomes in different areas of the world, as well as success and failure in institutionalizing fully democratic systems. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Sophomore standing or permission of the instructor

Writing

**PSC331 Politics of Developing Nations**

Hours 3

This course explores political and economic development within the regions of Latin America, Asia, Africa, and the Middle East.

Prerequisite(s): None

Prerequisite(s) with concurrency: None

**PSC332 Politics of Latin America**

Hours 3

This course will examine Latin American political and economic developments throughout the 20th and early 21st centuries.

Prerequisite(s): PSC 203 would be helpful.

Prerequisite(s) with concurrency: None

**PSC334 Government Politics West Europ**

Hours 3

Analysis of the democracies of Western Europe. Attention is given to participation, societal cleavages, elections, parties, government institutions, policy making, and the European Union.

**PSC336 African Politics**

W

Hours 3

This course introduces students to the politics of contemporary Africa. It challenges the dominant representations of the continent as conflict prone, economically underdeveloped, and political unstable. Instead, the course presents Africa as a dynamic region comprised of 54 independent states with diverse political and economic realities. Students will explore core themes such as the politics of the state, politics of identity, economic and political development, the politics of conflict and cooperation, and the role of Africa in global affairs. These themes are examined through a variety of learning materials and collaborative-learning methods that expose students to dominant theoretical approaches and political science methodologies. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): N/A

Prerequisite(s) with concurrency: N/A

Writing

**PSC337 Politics of the Middle East**

Hours 3

This course is designed to introduce advanced undergraduate students to contemporary Middle East politics. The course adopts a thematic approach to the study of Middle East politics. Important themes and questions in comparative politics will guide analysis of the complex political realities in the contemporary Middle East. The course begins with a historical overview of the emergence of the modern state system in the contemporary Middle East. The rest of the course draws on the tools of comparative politics to address some of the major issues facing the Middle East which include, but are not limited to, authoritarianism, political participation, identity politics, economic development, the political economy of oil, Islamist social and political movements, and the politics of gender.

Prerequisite(s): PSC 203 is recommended but not required.

**PSC338 Mexican Politics**

Hours 3

This course will examine the political history of Mexico and will also provide a survey of contemporary issues in Mexican politics.

**PSC340 Civil Wars**

Hours 3

This course covers a variety of topics related to civil war using a theoretical and scientific perspective. Topics include the distribution, onset, outcome, recurrence and duration of civil wars, and the management of civil war through third party mediation and negotiated settlements.

**PSC343 Authoritarianism**

Hours 3

The surprising persistence of authoritarian regimes since the end of the Cold War has inspired a major new literature in comparative politics on how non-democracy works. This course will address a number of important questions related to the functioning of authoritarian regimes and will explore authoritarian politics in Africa, Latin America, the Middle East, Asia, and the post-Soviet countries.

Prerequisite(s): None; PSC 203 is recommended.

**PSC344 The Israel-Palestine Conflict**

Hours 3

How are we to make sense of the present-day conflict between Israelis and Palestinians? How do the parties involved see that conflict, and how does it fit into our own conceptions of religion and politics, war and peace, place and space? Why does it seem so intractable? Why does it occupy such prominence in contemporary political discourse? Through an examination of primary and secondary historical texts, literary works, films and artwork, we will explore the origins and unfolding of this conflict both internally (ie, as emerging from within distinct social-political moments for the people involved) and externally (in relation to broader geopolitical and economic developments). As the conflict remains ongoing, we will strive for compassionate, nuanced engagement; to understand rather than judge; and to find hope for new possibilities.

Prerequisite(s): Background in Middle Eastern politics is not required, but will be of benefit

**PSC345 Issues in Global Governance**

Hours 3

Global governance refers to institutions, regimes and rules that regulate the conduct of global politics in multiple areas. This class focuses on the challenges facing global governance regimes, such as demands for reform, fragmentation, the establishment of alternative institutions, regionalism and normative resistance. Students will learn about how these challenges impact multiple domains of global politics, including the UN Security Council, the global economy, international law, security, health, and the environment.

**PSC353 Modern Political Thought**

Hours 3

Key political theorists from the sixteenth to the nineteenth centuries. Assigned texts may vary, but typically include works by Machiavelli, Hobbes, Locke, Rousseau, J. S. Mill, Marx, and Nietzsche. Topics include conceptions of a just society, the state, the value of political participation, liberty, and equality.

**PSC361 Fiscal Policy & Budget**

Hours 3

Study of governmental revenue and expenditure policies with emphasis on the budget as a method of administrative and fiscal control.

**PSC362 Organization Theory**

Hours 3

An examination of traditional and contemporary organizational theory and its application to public administration.

**PSC364 African Amer & Polit Sys**

Hours 3

A historical and contemporary assessment of the political, social and economic development of African-Americans in the American political system.

**PSC365 Introduction to Environmental Policy**

Hours 3

This introductory environmental policy course reviews major developments in environmental regulation in the United States, considered in a global context. Readings examine the evolution of U.S. environmental policy, the form and function of social institutions used to govern human-environment interactions, including markets, state and civil society, and conventions, norms, and morals. U.S. and U.N. legal structures, agencies, and NGOs are addressed, with attention to comparative regulatory frameworks. The “new institutional approach,” “resource regimes,” and various incremental and transformative institutional reforms are discussed. The impact of economic and cultural factors—including class, race, gender, and location—on resource use and other policy decisions affecting the physical and built environments will be explored. Evolving institutional approaches to energy use, such as sustainability, “wise use,” adaptive management, and resilience are examined. This course is cross-listed with NEW 365.

Prerequisite(s): No prerequisites are required.

**PSC369 Social Movements and U.S. Politics**

Hours 3

In this course we will examine the causes and consequences of social movements in U.S. politics. Although social scientists have defined “social movements” in somewhat different ways, we will rely on a relatively simple definition that reflects the shared elements of all of the definitions found in the literature. Social movements are collective, organized efforts of non-state actors to promote or resist change, that rely in whole or in part on unconventional political tactics. Throughout U.S. history, it is difficult to identify major examples of policy change that were not spurred by social movement activity. Yet, social movements remain the least studied form of political influence within the discipline of political science. Therefore, much of the material from this course will draw from the fields of sociology and history, where the majority of the research on social movements can be found.

**PSC370 American Public Policy**

Hours 3

This course provides a broad overview of public policy in the United States. In addition to learning about the policy process and policy analysis, we will examine the historical context and contemporary status of several policy issues.

Prerequisite(s): None

Prerequisite(s) with concurrency: None

**PSC395 Civil Law and Judicial Advocacy**

Hours 3

This course is designed to permit dedicated instructional time to special issues in the current year’s American Mock Trial Association competition problem. The instructional time will be spent both on examination of specific legal issues and questions present in the case and practical exercises, meant to sharpen individual and team trial advocacy skills.

**PSC396 Criminal Law and Judicial Advocacy**

Hours 3

This course is designed to focus on special issues in the current year’s American Mock Trial Association competition problem. The course will focus on both on examination of specific legal issues and questions present in the criminal case and practical exercises, meant to sharpen individual and team trial advocacy skills.

Prerequisite(s): Members of the Mock Trial Association only

**PSC399 Internship In PSC**

Hours 3-6

Students may receive credit for internships they secure in offices, agencies or organizations related to Political Science. Students must secure the agreement of a faculty member to supervise the internship.

**PSC411 Public Opinion**

Hours 3

The formation, distribution, structure, properties, and techniques of measuring public opinions in the United States.

**PSC413 Amer Foreign Policy**

Hours 3

Examination of the forces and processes affecting United States foreign relations. Attention is also given to the content and problems of contemporary American foreign policy.

**PSC414 Foreign Policy Decisionmaking**

Hours 3

This is an overview of the key components of Foreign Policy Decision Making (FPDM). Students are expected to learn the theories and models of FPDM and be able to apply them to case studies of foreign decisions. This course is distinguished from PSC 413 by specifically focusing on how and why decisions are made.

Prerequisite(s): None; PSC 204 is recommended

Prerequisite(s) with concurrency: None

**PSC417 Gender and Politics**

Hours 3

The objective of this course is to understand how gender influences women's representation and women's role in the electoral process, both as voters as well as candidates and office holders. We will discuss the concept of gender and cultural norms of womanhood and the way they impact women in the political arena. The political representation of women and their interests, as well as women's experiences as citizens, candidates, and elected officials, cannot be understood without this contextual lens. Over the course of this class, we will investigate women's participation, the conceptualization of women's interests, women's portrayal in the media and women's effectiveness as legislators, both on the state as well as the congressional level in the US. PSC 101, highly recommended.

**PSC421 Seminar in Political Science**

W

Hours 3

May be repeated for a maximum of 6 hours. Selected problems in various areas of political science. Topics, instructors, and political science subfields covered will vary by instructor and semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**PSC422 Seminar Political Science**

Hours 3

May be repeated for a maximum of 6 hours. Selected problems in various areas in political science. Writing proficiency within this discipline is required for a passing grade in this course.

**PSC434 Internatl Polit Econom**

Hours 3

The course deals with the international trade and finance regimes, foreign economic policy, transnational corporations in the world economy, North/South and East/West relations, and the implications of economic interdependence.

**PSC435 War And Peace**

Hours 3

Study of the causes of war at the individual, societal and international levels of analysis with particular emphasis on international relations research using the scientific method.

Prerequisite(s): PSC 204 or PSC 413

**PSC439 Politics and Policy of the United Kingdom**

W

Hours 3

This course will introduce you to the government, politics and policy of the United Kingdom (UK). Topics will include political history, parties, interest groups, elections, governing institutions (Parliament, the Prime Minister and Cabinet), regional issues including Northern Ireland, Britain's process of leaving the European Union ("Brexit"), and a number of specific policy areas. After a brief survey of the political history of Britain, the course will focus on post-WWII politics and policy, from the creation of the National Health Service and the growth of the welfare state in the early post-war years, to the "Thatcher revolution" of the 1980s and its emphasis on free market principles, Prime Minister Tony Blair's "Third Way" policies, the coalition government of 2010-15, and the current minority government. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): PSC 101 and junior class status, or permission of instructor

Writing

**PSC441 Terrorism and Political Islam**

W

Hours 3

This is an introductory course into two distinct subjects: terrorism and Islamist movements. The main aim of the course is to show when and why Islamists turn violent, but it also emphasizes that not all Islamists are terrorists. The first part discusses correlates of terrorism, including agents, strategies, and ideologies of terrorist organizations as well as the causal underpinnings of terrorist group formation. The course's second part highlights varieties in Islamist organization, namely social movements, opposition groups, state actors, and militant organizations. The final part of the course focuses on empirical examples of Islamist terrorist organizations: Hamas, Hezbollah, Al-Qaeda, and the Islamic State. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**PSC442 Internatl Conflict**

Hours 3

Examination of the various kinds of violent conflicts in which nation-states become involved.

**PSC443 Comparative Pub Policy**

W

Hours 3

Analysis of domestic policy in advanced industrialized democracies, looking at both policy process and policy substance. Attention will be given to the questions of how and why policies differ across countries, and how one might evaluate policy performance cross-nationally. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

**PSC444 International Organizations**

Hours 3

This course focuses on understanding and analyzing why states create international institutions and why the effects of these institutions vary. Divided into two sections, students will begin with conceptual and theoretical analysis of why states create international institutions and why such institutions do or do not produce desired outcomes. Next, students will examine how international governance has evolved in four different issue areas – peace and security, the international environment, and human rights – and what the current challenges are.

Prerequisite(s): PSC 204

**PSC445 Humanitarianism**

W

Hours 3

Humanitarian action, that is the desire to relieve the suffering of distant strangers, is an idea that is centuries old. And yet, this idea has always been tangled up with ethical and political questions: What are the bases of the desire to help distant strangers? Is there a responsibility or an obligation to help strangers in need? How do we know when humanitarian action is required? In a context of multiple emergencies, which strangers become recipients of humanitarian action and aid? Are there moral and ethical bases of choosing or is it all political?.

Writing

**PSC446 Political Economy of Security**

Hours 3

The course will cover a variety of topics that link security and political economy. Writing proficiency within this discipline is required for a passing grade in this course.

**PSC449 International Relations of the Middle East**

W

Hours 3

This course surveys the evolution of regional geopolitics in the Middle East. It traces how colonialism, state building, and nationalism formed the Middle East regional system and how domestic political struggles, external interventions, and geopolitical rivalries have defined shifts in state and societal insecurity and the dynamics of the regional order. Special attention is given to US diplomatic and military interventions in the region, their regional consequences, and state and societal opposition to US influence in the region. The course also considers the “new Arab wars” in the wake of the Arab Uprisings, the rise of new regional powers and non-state actors, and current debates about the future evolution of regional politics and the role of the US in the region. PSC 204 is recommended before taking this course, but not required. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student in Political Science or International Relations will not earn a passing grade, no matter how well the student performs in other aspects of the course.

Writing

**PSC452 American Political Thought**

Hours 3

Investigates primary sources and secondary literature covering the origin and direction of the U.S. political ideology. Topics typically include liberalism, civic republicanism, and debates between contemporary scholars concerning American exceptionalism.

**PSC462 Public Personnel Admin**

Hours 3

Study of the American public personnel system at the local, state, and national level. Emphasis is on such areas as the political activity of government employees, the application of the principle of equal opportunity and affirmative action, and the role of collective bargaining in government.

**PSC464 The Politics of Health Policy**

Hours 3

We examine health policy at all levels of government, with particular focus on the interdependence of the national, state, and local governments to provide health services. The political environment of health policymaking and implementation is explored. Health policies such as Medicaid, Medicare, and the Affordable Care Act will be examined, as well as other policies that impact health. We examine the policymaking process in general, applying health policy to the concepts and theories. We compare the US health care system with systems in other industrialized democracies.

Prerequisite(s): Approval of academic advisor and at least junior status.

**PSC465 The Politics of Sex**

Hours 3

There are three key components to this course: 1) the status of women in politics and society, 2) the role of social movements and the Supreme Court regarding the status of women in politics and society, and 3) a substantive policy issue related to the politics of sex determined by class vote (possibilities include reproductive rights, marriage equality, sexual assault on campus, and others).

Prerequisite(s): Junior status.

**PSC466 The Politics of Poverty**

W

Hours 3

In this course we will examine one of the most enduring social problems in the United States – poverty. The course is divided into three sections. In the first section, we will primarily focus on the conceptualization and measurement of poverty, as well as the demographic groups that are most likely to suffer from high poverty rates. In the second part of the course, we will review in detail the major government programs aimed at alleviating poverty. We will examine their historical development, their structure and the social science research on their effectiveness. In the third section of the course we will review alternative explanations for poverty, focusing on the distinction between individual and structural explanations and how it influences public discourse and the politics of poverty. As this is an upper level course that fulfills the university's writing requirement, there will be a significant amount of writing in this class. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**PSC467 The Conservative Movement in America**

W

Hours 3

This class will examine the origins and history of the conservative political movement in the United States, following the development of this ideology from its origins as a small movement of journalists and intellectuals to the dominant ideology of the Republican Party, and ultimately, for a time, the dominant ideology in the United States. This class will focus primarily on texts written from a conservative or right-wing perspective. That said, the purpose of this class is not indoctrination. Students are encouraged to engage in vigorous, respectful class discussions on the ideas presented, noting any weaknesses perceived in the arguments considered. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**PSC471 Equal Opportunity and the Law**

W

Hours 3

The concept of equal opportunity is a bedrock principle of American political culture. We pride ourselves on the idea that all Americans, regardless of race, gender, class level or other demographic characteristics, have a chance to live the American Dream of getting a good job, owning your own home and creating a successful and satisfying life. This course will examine whether equal opportunity is a reality in America, and what effect the law and public policy have on equal opportunity. Writing proficiency within the discipline is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student in this discipline will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): PSC 101

Writing

**PSC472 Law in Everyday Life: Theory & Application**

W

Hours 3

Law is traditionally studied vocationally. That is, students of the law often learn about it strategically, in order to eventually write legislation, advocate for a client, or decide cases. In this class, students will be introduced to a different way of studying law, one rooted in the interdisciplinary field of legal studies (sometimes known as "law and society") that draws on knowledge, methodologies, and critical theories from several disciplines. Rather than studying law as an enterprise that operates autonomously, this course introduces students to the study of law as an object that cannot be understood apart from the social, political, and cultural contexts in which it exists, to include race and ethnicity, social class, gender, sexual orientation, and nationality. With these goals in mind, this course will explore how law permeates human life and, conversely, how human life permeates law. As this course is one that satisfies the "W" requirement, writing proficiency within this discipline is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**PY101 Intro To Psychology**

SB

Hours 3

Basic principles of psychology.

Social and Behavioral Sciences

**PY105 Honors Intro Psychology**

SB, UH

Hours 3

Honors section of PY 101.

Social and Behavioral Sciences, University Honors

**PY211 Elem Statistical Methods**

Hours 3

Methods are presented that enable students to make inferences about a population from a knowledge of small samples. Offered each semester and in the summer session.

Prerequisite(s): MATH 100 or MATH 110 or MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146 and PY 101 or PY 105

**PY313 Sensation and Perception**

Hours 3

Physiological and psychophysical aspects of the senses.

Prerequisite(s): PY 101 or PY 105

**PY321 Professional Issues Proseminar in Psychology**

Hours 1

Course orients psychology majors to career opportunities for psychology majors terminating with a BA or BS, as well as those students moving on to post-graduate work.

Prerequisite(s): PY 101 or PY 105



**PY352 Developmental Psych**

Hours 3

Physical, intellectual, emotional, and social development throughout the life span.

Prerequisite(s): PY 101 or PY 105

**PY353 Biological Basis of Psychological Disorders**

Hours 3

There is increasing evidence that biological factors either increase risk for or directly cause many psychological disorders. This lecture-based course focuses on understanding biological research on psychological disorders, including research on biological risk factors, biological factors associated with the presence of disorders, and the biological effects of various forms of treatment (e.g., therapy and medication). We will take an interdisciplinary approach, reviewing research from neuroscience, psychopharmacology, biochemistry, genetics, epigenetics, endocrinology, and physiology to understand the biological bases of the development of and treatments for psychological disorders. The course will include an introduction to a variety of biological research methods. The course will include brief introductions to the major psychological disorders listed in DSM-V, but will primarily focus on providing an understanding of the biological basis of these disorders. The course will also include discussions about controversial and ethical issues related to biological research on psychological disorders.

Prerequisite(s): PY101 or PY105 is required, or upon instructor permission

**PY355 General Experimental Psychology**

Hours 3

Scientific methods applied to the problems of psychology.

Prerequisite(s): PY211 (grade of C- or higher required) AND 9 hours of Psychology coursework. Corequisite: PY 356

**PY356 Research Laboratory**

Hours 2

Application of experimental and statistical techniques in a laboratory setting.

Prerequisite(s): PY211 (grade of C- or higher required) AND 9 hours of Psychology coursework. Corequisite: PY 355

**PY358 Psychopathology**

Hours 3

This course will provide an introduction to the field of psychopathology. This course will cover clinical descriptions of psychological disorders, factors that contribute to the development and progression of psychological disorders, and treatment for psychological disorders.

Prerequisite(s): PY 101 or PY 105

**PY361 Psychology Of Learning**

Hours 3

Theoretical and applied implications of principal findings in learning, memory, and cognition.

Prerequisite(s): PY 101 or PY 105

**PY365 Psychology Of Aging**

Hours 3

The intellectual, social, cognitive, and physical development in adulthood with special emphasis on late adulthood.

Prerequisite(s): PY 101 or PY 105

**PY368 Intro To Personality**

Hours 3

A study of theories that represent the psychoanalytic, neopsychanalytic, trait, life span, humanistic, cognitive, behavioral and social-learning approaches to understanding human behavior. Clinical and experimental data are used to evaluate representative personality theories.

Prerequisite(s): PY 101 or PY 105

**PY370 History & Systems in Psychology**

Hours 3

A detailed presentation of the systematic points of view in Psychology with a consideration of their historical origins and significance for modern thought.

Prerequisite(s): PY 101 or PY 105

**PY371 Psychology Of Gender**

Hours 3

Review of the contribution of psychological theories and research to the understanding of sex differences in general and to women's roles in particular.

Prerequisite(s): PY 101 or PY 105

**PY372 Social Psychology**

Hours 3

Major aspects of social psychology, including aggression, altruism, attitude change, interpersonal relations, prejudice, leadership, and group dynamics.

Prerequisite(s): PY 101 or PY 105

**PY375 Special Topics In Psychology**

Hours 3

Courses devoted to topics not currently covered in the Psychology curriculum will be offered under this title.

Prerequisite(s): PY 101 or PY 105

**PY376 Behavioral Medicine**

Hours 3

This course explores the theories, research, and practice of behavioral medicine, particularly as it relates to integration of behavioral health into primary medical care. Students will examine the roles of psychology and other behavioral health professions in research and practice within healthcare. Theories of practice in the field of behavioral health will be covered. Students will develop competence in the connection between behaviors and health.

**PY377 Psych Law And Justice**

Hours 3

Psychological interpretations of criminality, treatment of offenders, and the roles of psychologists and psychological issues in the justice system.

Prerequisite(s): PY 101 or PY 105

**PY378 Junior Honors Seminar**

UH

Hours 1

The course is the first semester of a four-semester honors sequence. Exposure to research methods and opportunities for research within the Department of Psychology.

Prerequisite(s): PY 355

Prerequisite(s) with concurrency: PY 355

University Honors

**PY379 Junior Honors Seminar**

UH, W

Hours 3

The course is the second semester of a four-semester honors sequence. Preparation of a research proposal and approval of thesis committee is required. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): PY 378

University Honors, Writing

**PY380 Practicum in Community-based Psychology**

Hours 3

This course combines specialized coursework with hands-on mentoring of middle and high school youth. It explores the development of civic engagement in youth and how to promote it.

Prerequisite(s): PY 101

**PY381 Cognitive Neuroscience**

Hours 3

How does our brain give rise to our abilities to perceive, act and think? Survey of the basic facts, empirical evidence, theories and methods of study in cognitive neuroscience exploring how cognition is instantiated in neural activity. Representative topics include the neural underpinnings of perceptual and motor processes, decision making, learning and memory, attention, reinforcement learning, sensory inference, and cognitive control. The course will cover a functional analysis of cognitive disorders from a biological basis and the relation between brain and behavior. The latter will be addressed through studies of lesion localization and neuroimaging of the intact brain. This class should prepare you to take more specialized upper level classes in specific areas of neuroscience.

Prerequisite(s): PY 101 or PY 105

**PY390 Art to Life**

Hours 3

Art to Life is an experiential seminar course offered in collaboration with Cognitive Dynamics Foundation in Tuscaloosa through the foundation's Bringing Art to Life © program. The primary purpose of the course is to improve quality of life for persons living with Alzheimer's disease and other dementias and their families and care partners through art therapy and life story preservation, to teach students about Alzheimer's/dementia and person-centered care and the development of empathy for those living with cognitive impairment, to enhance students' understanding of the art of storytelling and life story preservation, and to promote intergenerational relationships through this novel service learning model. A trained art therapist will conduct a series of therapy sessions with participants and students over a period of eight to ten weeks. Students will document the sessions, interview family and friends of the participants, and collect memorabilia (including old photographs, sheet music, letters from loved ones, photographs of participant art, student poetry, etc.) for the creation of the life story project. Weeks not set aside for art therapy may be used for a special class session or for visiting with participants and their families.

**PY391 Junior Seminar**

W

Hours 3

Course will expose students to specialty areas in Psychology and provide opportunities to develop skills associated with writing and oral presentation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): PY 101 or PY 105 and PY 211

Writing

**PY394 Mentoring Students with Autism**

Hours 3

This course is designed to give students experience working with individuals on the autism spectrum. Each student will be paired with a UA-ACTS student who they will meet with 2-3 times per week to address academic organization, social skills, and daily-living and career-building skills. Students will also learn about best practices, trends, and barriers in working with individuals with ASD in the college environment.

Prerequisite(s): PY 101 or PY 105

**PY395 Child Mental Health: Theory and Field Experience**

Hours 3

The course will expose students to issues in child mental health and treatment, with a focus on professional ethics, mentoring, and evidence-based treatments for childhood disorders. The course will combine in-class lecture/discussion with a practicum experience at Brewer Porch.

Prerequisite(s): PY 101

**PY399 Internship in Psychology**

Hours 3

An opportunity for students to gain practical experience in psychology. Enrollment by application and interview only.

Prerequisite(s): PY 101 or PY 105 and PY 321

**PY413 Physiological Psych**

Hours 3

Bodily structures (nervous, muscular, and glandular) underlying behavior.

Prerequisite(s): PY 355

**PY451 Undergraduate Research**

Hours 1-3

Individual research projects. A maximum of 6 credit hours may be earned in PY 451.

Prerequisite(s): PY 355

**PY461 Child Psychology**

Hours 3

Scientific approaches to understanding the psychological development of youth and its applications. Suggested for undergraduate seniors.

Prerequisite(s): PY 355

**PY470 Intro Cognitive Psychlgy**

Hours 3

Contemporary approaches to cognitive psychology, including topics such as attention and memory.

Prerequisite(s): PY 355

**PY478 Senior Honors Seminar***UH*

Hours 2

The course is the third semester of a four-semester honors sequence. Implementation of an approved research proposal.

Prerequisite(s): PY 379

University Honors

**PY479 Senior Honors Seminar***UH*

Hours 3

The course is the final semester of a four-semester honors sequence. Preparation and defense of senior honors thesis.

Prerequisite(s): PY 478

University Honors

**PY481 Readings In Psychology**

Hours 1-3

Selected supervised readings. May be repeated for a maximum of 6 hours.

Prerequisite(s): PY 105 or PY 101 or PY 355 or PY 356

**PY491 Senior Seminar In Psychology***W*

Hours 3

Thorough examination of a selected contemporary psychological area. Different topics are offered each semester; descriptions are available at registration. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered each semester and in the summer session. May be repeated for a maximum of 6 hours.

Prerequisite(s): PY 355 and PY 356

Writing

**PY495 Teaching Internship**

Hours 3

Supervised experience and training in teaching, course administration, etc., as additional preparation for students planning to pursue graduate study in psychology.

**REL100 Intro To Religious Studies***HU*

Hours 3

Various methodological approaches to the academic study of religion, with examples of religious life and thought drawn from a variety of cultures. This course is required of all majors and minors.

Humanities

**REL101 The Violent and the Sacred: Religion and the Problem of Human Suffering***HU*

Hours 3

This introductory course examines the socio-cultural constructs called "religion" and "violence" with the help of academic theories and theorists in order to consider relationships between the two. The course introduces theories of evil, violence, and hatred, using historical and contemporary case studies on such topics as terrorism and genocide.

Prerequisite(s): N/A

Prerequisite(s) with concurrency: N/A

Humanities

**REL102 Intro to Religions of the World***HU*

Hours 3

This comparative study of religions highlights complexity in world religions. Topics, such as texts, practices, and deities, organize the study of different pairs of religions.

Humanities

**REL103 Religion in the News***HU*

Hours 3

This introductory level course examines the place and function of religion in modern culture by examining the way stories are (or are not) identified as religious in news media. Drawing on various historical examples—from print to digital media—the course introduces students to the academic study of religion through case studies of how religion is commonly represented in the media, paying particular attention to the possible motives and practical consequences to classifying claims, actions and organizations as religious or not. As part of the core curriculum, this course addresses the ability of students to deal with questions of values, ethics, or aesthetics as they are represented in the humanistic fields of religious studies and history. The course is broad in scope and takes a global perspective of religion and news media and the relationship between all points of view on these subjects. The emphasis of the course is the history and appreciation of religion, media, and culture.

Humanities

**REL104 Religion in Pop Culture***HU*

Hours 3

Instead of assuming that religion is a distinct aspect of the human, one that interacts only with elements of elite or high culture, this course examines the ways that the beliefs and behaviors that we commonly classify as religious are a part of everyday culture—in particular, the ways that they are produced by and in turn influence popular culture. Myths, rituals, and traditions circulate all throughout mass culture via print, radio, television, and now the web. The course therefore introduces students to a set of recent, historical examples where the scholar of religion can shed light on the workings of contemporary day-to-day life. As a part of the core curriculum, this course addresses the ability of students to deal with questions of values, ethics, or aesthetics as they are represented in the humanistic fields of learning regarding the study of religion, film, art, music, and online media. The course is broad in scope and takes a global perspective on religion and popular culture as well as the relationship between all points of view on these subjects. The emphasis of the course is the history and appreciation of religion and popular culture.

Prerequisite(s): None.

Prerequisite(s) with concurrency: None.

Humanities

**REL105 Honors Intro Relig Study***HU, UH*

Hours 3

Honors version of REL 100.

Humanities, University Honors

**REL106 Introduction to Ancient Greek Religions***HU*

Hours 3

This course is an introduction to the myths and practices of what contemporary scholars call ancient Greek religion. It examines the problem of defining "religion," and translating specific ancient greek terms as "religion," and the implication involved in this process.

Humanities

**REL110 Intro To The Old Testament***HU*

Hours 3

Introduction to the books of the Old Testament, or Hebrew Bible as it is known in Judaism, in their historical setting, with emphasis on textual analysis and on literary forms and their function and use in the past and present.

Humanities

**REL112 Intro To New Testament***HU*

Hours 3

Introduction to the Hellenistic world of early Christianity, examining the early traditions about Jesus that were organized into the Gospels and the letters of Paul.

Humanities

**REL120 Religion and Science***HU*

Hours 3

This course is a broad, interdisciplinary introduction to the ways in which "science" and "religion" have been defined.

Humanities

**REL124 Religion and Film in America***HU*

Hours 3

This course considers popular film as a site for investigating and critiquing religion in America. Historically significant, as well as currently popular, films are examined in relation to academic writings about film and religion in order to gain a greater understanding of the role religious rhetoric, imagery, and concepts play in American popular culture.

Humanities

**REL130 Religion, Politics, and Law***HU*

Hours 3

This introductory level course examines the construction of religion through law, politics, and the nation-state. Students are introduced to the role of religion in liberal political theory, secularism, and the modern rise of the nation-state. This course will be particularly helpful to students interested in religious studies, history, political science, law, and philosophy.

Humanities

**REL209 Buddhism***HU*

Hours 3

This course offers a survey of religious themes and movements related to Buddhism in various Asian countries and North America. The topics include historical narratives, interpretations of texts, transformations of rituals, diaspora and identity, nationalism and politics, and Buddhism in contemporary culture.

Humanities

**REL220 Survey Of Asian Religion***HU*

Hours 3

Introductory survey of the major religious traditions of Asia, including Hinduism, Buddhism, Confucianism, Taoism, and Shinto.

Humanities

**REL223 Holocaust Historical Perspecti**

Hours 3

Examination of this event, and scholarship on it, from various historical and critical perspectives.

**REL224 Judaism***HU*

Hours 3

A study of some of the leading schools and interpreters of Judaism and a review of modern developments including the Holocaust and the State of Israel.

Prerequisite(s): No prerequisites required.

Humanities

**REL226 African Diaspora Religions***HU*

Hours 3

Examination of African influence throughout the Americas (e.g., Candomblé in Brazil, Vodou in the Caribbean, African-American religions in North America), focusing on the interplay between religion, culture and politics.

Humanities

**REL231 Religious Existentialism***HU*

Hours 3

This course surveys the history of a very influential school of modern, Western religious thought called religious existentialism. We will review the major texts, authors, and themes of this eclectic movement. The course will include study and discussion of texts by Kierkegaard, Dostoevsky, Buber, Heidegger, de Beauvoir, Sartre, Fanon, Derrida, Cixous and Zizek.

Humanities

**REL234 Women And Religion**

Hours 3

The role and place of women in several religious traditions, ancient and modern.

**REL236 Islam***HU*

Hours 3

An introduction to the traditions of Islam, including their history, texts, intellectual debates, and contemporary practices.

Humanities

**REL237 Self Society & Religions**

Hours 3

A survey of psychological and social theories used to study religion, drawing on different cultural and historical data of relevance to the approaches surveyed.

**REL238 Philosophies Of Judaism**

Hours 3

Survey of major philosophical formulations of the nature and role of Jews and Judaism, written by select Jewish thinkers.

**REL240 Apocalypse In Popular Media***HU*

Hours 3

Examines contemporary depictions of apocalypse and dystopia in popular media.

Humanities

**REL241 American Religious History***HU*

Hours 3

This course offers a survey of religious themes and movements in American culture from the period before European colonization to the present. It is of particular use for students interested in American history, law, American studies, religious studies, and cultural studies.

Humanities

**REL245 Honors Hist. Religions of Amer***UH*

Hours 3

This Honors course offers a survey of religious themes and movements in American culture from the period before European colonization to the present.

University Honors

**REL310 REL Goes to the Movies**

Hours 1

This one credit course involves monthly films, discussions, and attending either the annual Day or Aronov Lecture.

**REL311 English Bible As Literature***W*

Hours 3

Analytical and critical study of a number of books of the Bible; each book is examined and evaluated as an example of a particular literary genre. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**REL315 Digital Humanities in Religious Studies**

Hours 3

This cross-disciplinary course introduces students to the methods of the digital humanities by applying those methods to the study of religion. Students will learn a variety of digital methods and tools and apply those to data drawn from religious studies. Students do not need a background in computing or religious studies.

**REL321 Rel & Ident in South Asia**

Hours 3

Investigates the intersections of various social divisions and identities with religious labels and practices by analyzing case studies from South Asia.

**REL322 Tales from Asia: Told and Retold in Film and Popular Culture**

W

Hours 3

This core writing course analyzes retellings of ancient tales within contemporary popular culture, investigating versions of two specific stories, the Ramayana and Journey to the West, to address issues surrounding myths and cultural identity and the ways people adapt stories for various ideological purposes, including the politics of translation, adaptation, and classification. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): None

Prerequisite(s) with concurrency: None

Writing

**REL336 Islam and the West**

W

Hours 3

Media coverage of Muslims in the United States and Europe often focus on some kind of comparison or contrast between Islam and "the West." This course examines how ideas of Islam and the West have been co-constructed. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**REL341 Theories of Myth**

W

Hours 3

From Hercules to Achilles, to Odysseus, and from Oedipus Rex to Medea, myths of the ancient Greek world are as popular today as they were thousands of years ago. Why do we re-tell those ancient myths today? What makes something a myth? What's the difference between a myth and a story? How did scholars try to explain the origin and function of myths? Do we produce myths today? The course will address those questions by looking at several myths of the ancient Greco-Roman world but also will look at the theories scholars developed in order to understand those stories. The course examines the history of differing theories of myth, conceived as a sub-type of narrative. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**REL342 Theories of Ritual**

W

Hours 3

This Core Writing course explores a wide range of rituals in diverse religious, social, and cultural contexts. We examine various theories about the definitions, meanings, and roles of ritual. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**REL347 Jewish-Christian Relations**

W

Hours 3

Critical examination of the 2,000-year-old relationship focusing on areas of commonality and difference. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**REL351 Asian Religions in America**

W

Hours 3

This course introduces the history and development of Asian religions in American culture. Topics will include immigrant groups, American-born converts, and the ways Asian religions have been represented and imagined in American culture. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**REL355 The Rhetoric of Religious Conviction**

W

Hours 3

Examines the resort to religion in the rhetoric and actions of selected public figures. Appeals to religious values will be critically analyzed in relation to the writings and works of persons such as Dorothy Day, Desmond Tutu, Dietrich Bonhoeffer, Malcolm X, Mahatma Gandhi, Mother Teresa, Oscar Romero, Martin Luther King, or Sojourner Truth. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**REL360 Individual Research**

Hours 1-3

Supervised research of the student's choice. May be repeated for a maximum of 9 hours for differing topics. Speak with the professor before registering.

**REL361 Individual Research**

Hours 1-3

Supervised research of the student's choice. May be repeated for a maximum of 12 hours for differing topics. Speak with the professor before registering.

**REL370 Adv Study Religion In Religion and Communication**

Hours 3

Specific context will be determined by faculty responsible for the course that semester. May be repeated for a maximum of 9 hours for differing topics.

**REL371 Adv St Religion and Conflict**

Hours 3

Specific context will be determined by faculty responsible for the course that semester. May be repeated for a maximum of 9 hours for differing topics.

**REL372 Adv Std Religion and Context**

Hours 3

Specific context will be determined by faculty responsible for the course that semester. May be repeated for a maximum of 9 hours for differing topics.

**REL400 Religious Studies Honors Thesis**

Hours 3

REL 400 is an independent research course in which the student conducts Honors Thesis research under the guidance of a thesis advisor. Research projects will include the development of an original research question; in-depth research into relevant secondary and primary sources; a prospectus outlining the proposed thesis; a 15-25 page long essay with reference notes and annotated bibliography; and an oral presentation of the research. Students will meet regularly with the thesis advisor throughout the semester during which the course is undertaken. Talk to the REL advisor for more information.

Prerequisite(s): Permission of the Instructor

**REL410 Religion and Genocide**

Hours 3

Explores the phenomenon known as genocide by examining its relationship to the religion in both its institutional and theological frameworks.

**REL415 Religion in the American South**

W

Hours 3

This Writing course will look at the roles and implications of myths and rituals in the American South, using the UA campus as its own case study and talking about how notions of "the past" come to be invented in different ways for different social purposes through memorials and monuments. Because the course carries the Core "W" designation, an important component of the seminar is the culminating term paper, which we will take through the writing process throughout the semester. This includes brainstorming, drafting, peer editing, and revising. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**REL419 Adv Studies in Myth and Ritual**

W

Hours 3

Examination of the theories and methods used to study the relations between religious narrative and behavioral systems, with a focus on myth and ritual. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**REL420 Gospel Of Mark**

W

Hours 3

Investigates the Gospel of Mark through the disciplines of contemporary biblical, literary, and cultural criticism. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**REL436 Making Islam: Debating Authenticity and Authority**

Hours 3

This course is a study of how various agents (both Muslim and non-Muslims) construct, debate, and refute ideas about Islam in popular culture and academic sources. We will pay particular attention to how scholars attempt to make sense of such diverse accounts, the assumptions that they make, and the roles that they play in debates over the nature of Islam.

Prerequisite(s): None

**REL440 Theories of Religion**

Hours 3

Examines classic and contemporary theories of religion such as functionalism, structuralism, Marxism, and psychoanalysis. Emphasis may vary with each offering.

**REL450 Religion & Power in Colonial India**

Hours 3

This course explores the ways Britons and South Asians imagined, debated, conspired, and coerced one another in the construction of "religion" during the colonial period of South Asian history.

**REL455 Popular Culture and Religion Seminar**

Hours 3

A seminar on method in the study of religion and popular culture based in the ongoing projects of seminar participants.

Prerequisite(s): permission of instructor

**REL460 Individual Research**

Hours 1-3

Supervised research of the student's choice. May be repeated for a maximum of 12 hours for differing topics. Speak with the professor before registering.

**REL461 Individual Research**

Hours 1-3

Supervised research of the student's choice. May be repeated for a maximum of 12 hours for differing topics. Speak with the professor before registering.

**REL480 Seminar Rel and Conflict**

Hours 3

Specific context will be determined by faculty responsible for the course that semester. May be repeated for a maximum of 9 hours for differing topics.

**REL483 Seminar Rel and Context**

Hours 3

Specific context will be determined by faculty responsible for the course that semester. May be repeated for a maximum of 9 hours for differing topics.

**REL490 Senior Capstone Seminar**

Hours 3

A seminar offered spring semester of each year for seniors pursuing a major or minor in religious studies or minor in Judaic studies. The professor and subject of the seminar rotate through the four areas of the curriculum. Required of all majors and minors in the Department. May be repeated for a maximum of 9 hours for differing topics.

**RL380 Special Topics in Linguistics**

Hours 3

At a level of complexity and detail that is appropriate to an intermediate course, students are to examine various topics related to linguistics. Specific topics may be primarily theoretical, applied or descriptive in nature, or a combination, and may be narrowly focused or may pertain to a wide variety of languages and dialects. Weekly in-class discussions based on readings and other assigned activities prepare students for the final written project, which involves the application of the various theoretical, critical and methodological approaches acquired in the special topics course.

**RL470 Seminar in Linguistics**

Hours 3

At a level of complexity and detail that is appropriate to an advanced seminar, students are to examine various themes related to linguistics. Specific themes may be primarily theoretical, applied, socially oriented or descriptive in nature, or a combination, and may be narrowly focused or may pertain to a wide variety of languages and dialects. When themes are sociolinguistic in focus, they may be diachronic (involving change over time) or synchronic (specific to a certain time period). Weekly in-class discussions based on readings and other assigned activities prepare students for the final project, which is typically both oral and written and which involves the application of the various theoretical, critical and methodological approaches acquired in the seminar.

**RL480 Special Topics in Linguistics**

Hours 3

At a level of complexity and detail that is appropriate to an advanced course, students are to examine various topics related to linguistics. Specific topics may be primarily theoretical, applied, socially oriented or descriptive in nature, or a combination, and may be narrowly focused or may pertain to a wide variety of languages and dialects. When topics are sociolinguistic in focus, they may be diachronic (involving change over time) or synchronic (specific to a certain time period). Weekly in-class discussions based on readings and other assigned activities prepare students for the final project, which is typically both oral and written and which involves the application of the various theoretical, critical and methodological approaches acquired in the special topics course.

**RUS101 Elementary Russian I***FL, HU*

Hours 4

This course will teach the basics of Russian grammar while emphasizing the acquisition of reading, listening, and speaking skills by the student.

Foreign Language, Humanities

**RUS102 Elementary Russian II***FL, HU*

Hours 4

This course will teach the basics of Russian grammar while emphasizing the acquisition of reading, listening, and speaking skills by the student. Overall, this course addresses the ability to deal with questions of values, ethics and aesthetics as they are represented in foreign languages and related fields in the Humanities which will be the focus. This course emphasizes the history and appreciation of the Humanities.

Prerequisite(s): RUS 101

Foreign Language, Humanities

**RUS201 Intermediate Russian I***HU*

Hours 3

This course will continue the basics of Russian grammar while emphasizing the acquisition of reading, listening, and speaking skills by the student. Overall, this course addresses the ability to deal with questions of values, ethics and aesthetics as they are represented in foreign languages and related fields in the Humanities which will be the focus. This course emphasizes the history and appreciation of the Humanities.

Prerequisite(s): RUS 102

Humanities



**RUS202 Intermediate Russian II***HU*

Hours 3

This course will finish the basics of Russian grammar while emphasizing the acquisition of reading, writing, listening, and speaking skills by the student. Overall, this course addresses the ability to deal with questions of values, ethics and esthetics as they are represented in foreign languages and related fields in the Humanities which will be the focus. This course emphasizes the history and appreciation of the Humanities.

Prerequisite(s): RUS 101, RUS 102 and RUS 201

Humanities

**RUS223 Russian Literature in Translation I***HU, L*

Hours 3

A survey of Russian literature from its beginnings until the 1880's. Trends covered include Neo-Classicism, Sentimentalism, Romanticism, and Realism. This course covers poetry, drama and prose (short story and novel). All materials are read in English. No knowledge of Russian is required for this course. Overall, this course addresses the ability to deal with questions of values, ethics and esthetics as they are represented in literature and related fields in the Humanities which will be the focus. This course emphasizes the history and appreciation of the Humanities, rather than simply the ability to perform tasks at the written level. Nevertheless, this course will include substantial in-class and out-of-class writing that encourages the development of critical thinking and requires students to analyze, synthesize, and evaluate knowledge.

Humanities, Literature

**RUS224 Russian Literature in Translation II***HU, L*

Hours 3

Survey of modern Russian literature from the latter two decades of the 19th century to the present. Trends covered include Neo-Realism, Symbolism, Acmeism, Futurism and Socialist Realism. This course covers poetry, drama and prose (short story and novel). All materials are read in English. No knowledge of Russian is required for this course. Three (3) credit hours. This course bears the HU and L designations of the university core curriculum. Overall, this course addresses the ability to deal with questions of values, ethics and esthetics as they are represented in literature and related fields in the Humanities which will be the focus. This course emphasizes the history and appreciation of the Humanities, rather than simply the ability to perform tasks at the written level. Nevertheless, this course will include substantial in-class and out-of-class writing that encourages the development of critical thinking and requires students to analyze, synthesize, and evaluate knowledge.

Humanities, Literature

**RUS252 Russian Folklore***HU, L*

Hours 3

This course will introduce the student to the basic materials of Russian folklore. Students will read the primary materials in English translation. No knowledge of Russian is required for this course. Overall, this course addresses the ability to deal with questions of values, ethics and aesthetics as they are represented in literature and related fields in the Humanities which will be the focus. This course emphasizes the history and appreciation of the Humanities, rather than simply the ability to perform tasks at the written level. Nevertheless, this course will include substantial in-class and out-of-class writing that encourages the development of critical thinking and requires students to analyze, synthesize, and evaluate knowledge.

Humanities, Literature

**RUS325 Dostoevsky***W*

Hours 3

This course will cover the life and major works of Fyodor Dostoevsky. Writing proficiency required for a passing grade in this course. All materials are read in English translation. No knowledge of Russian is required for this course. Three (3) credit hours. This course bears the W designation of the university core curriculum. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. This course will include substantial in-class and out-of-class writing that encourages the development of critical thinking and requires students to analyze, synthesize, and evaluate knowledge.

Writing

**RUS326 Tolstoy***W*

Hours 3

The life and works of Leo Tolstoy. No knowledge of Russian is required. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**RUS361 Adv Rus Grammar Comp I**

Hours 3

The study of new grammatical concepts reinforced by translation from English to Russian and by the composition of short essays in Russian on a variety of topics.

Prerequisite(s): RUS 202

**RUS362 Adv Rus Grammar Comp II**

Hours 3

The study of new grammatical concepts reinforced by translation from English to Russian and by the composition of short essays in Russian on a variety of topics.

Prerequisite(s): RUS 361

**RUS401 Directed Readings**

Hours 1-3

Directed readings.

**RUS402 Directed Readings**

Hours 1-3

Directed readings.

**RUS426 Readings in Russian History**

Hours 3

This course introduces students to advanced texts in Russian thematically focused on Russian history.

Prerequisite(s): RUS 362

**SOC101 Intro To Sociology**

SB

Hours 3

Introduction to the scientific study of human social behavior.

Social and Behavioral Sciences

**SOC202 Social Problems**

SB

Hours 3

Study of contemporary social problems, including definition, description, and analysis. Emphasis is on sociological explanations, social change perspectives, and cultural complexity of social problems.

Social and Behavioral Sciences

**SOC205 Social Psychology**

Hours 3

Interrelationships between the individual and the group. Includes perception, cognition, attribution, attitudes, helping behavior, aggression, personal relationships, prejudice, and gender in social life.

**SOC215 Animals and Society**

Hours 3

Explores the social relationship between humans and animals; examines the social meanings which shape the roles and status of animals in society and our interactions with them.

**SOC216 Sports and Society**

Hours 3

Structural and cultural relationship of sport to society and the importance of sport to the development of self and community identity.

**SOC301 Social Statistics**

Hours 3

Elementary statistical techniques applied to sociological data; tables and graphs, central tendency and dispersion, probability and sampling, tests of significance, and measures of association.

Prerequisite(s): SOC 101 and MATH 110 or MATH 112 or MATH 125

**SOC302 Sociological Theory**

Hours 3

Examines the role of theory in sociology; focuses on the major contributions to sociological theory in both the classical and contemporary periods with an emphasis on historical context and philosophical backgrounds.

Prerequisite(s): SOC 101

**SOC305 Food, Culture, and Society**

Hours 3

Examination of food as a social construction; emphasis on food rituals, cultural distinctions and perspectives, federal regulations and subsidies, food-related diseases, and sustainable agriculture.

Prerequisite(s): SOC 101

**SOC310 Social Movements and Collective Behavior**

Hours 3

This course analyzes social movements: more or less organized attempts by relatively powerless groups to change politics or society. Begins with the building blocks of collective behavior, with a general focus on attempts to push social change in the US and globally.

Prerequisite(s): SOC 101

**SOC315 Race And Ethnic Relations**

Hours 3

Analysis of American social structure, race and ethnic relations, and demographic and institutional trends; studies of racial and ethnic issues.

Prerequisite(s): SOC 101

**SOC352 Social Inequality**

Hours 3

Analysis of inequities of wealth, power, and prestige; major theories of social stratification and poverty; social mobility.

Prerequisite(s): SOC 101

**SOC360 Sociology of HIV/AIDS**

Hours 3

Social dimensions of HIV/AIDS; explores the social construction of HIV/AIDS in terms of gender, sexualities, race/ethnicity and social class.

Prerequisite(s): SOC 101

**SOC370 Sexuality and Society**

Hours 3

In-depth examination of human sexuality from a sociological perspective, analyzing how sexual behaviors and attitudes are shaped and influenced by larger society.

Prerequisite(s): SOC 101

**SOC390 Selected Topics In Soc**

Hours 3

Examination of selected problems and issues in sociology. May be taken a total of four times, with different topics.

Prerequisite(s): SOC 101

**SOC405 Gender & Society**

Hours 3

Sociological approach to the study of women and men; exploration of the social construction of genders in institutions and in everyday life, feminist theories of masculinity, gender inequality, and social change.

Prerequisite(s): SOC 101

**SOC406 Organizational Failures and Disasters**

Hours 3

Examination of a variety of organizational failures and disasters; exploration of the major social and psychological factors that contribute to technical, practical, and ethical failures in organizations.

Prerequisite(s): SOC 101

**SOC460 Body and Society**

Hours 3

Social construction of the body; exploration of how the human body is socially, culturally, and politically constructed according to gender, race/ethnicity, occupation and social class.

Prerequisite(s): SOC 101

**SOC471 Medical Sociology**

Hours 3

Social issues relating to health, medicine, and society; how society shapes individual understandings of what it means to be healthy, produces differential patterns of health and illness, and how medicine is practiced in the United States.

Prerequisite(s): Sociology 101

**SOC480 Death and Dying**

Hours 3

Examination of death and dying from a sociological perspective; death as a social process that varies by culture, context and historical moment.

Prerequisite(s): SOC 101

**SOC490 Seminar In Sociology**

Hours 1-3

Examination of selected problems and issues in sociology. A maximum of 12 hours may be used toward the minor.

Prerequisite(s): SOC 101

**SOC499 Ind Study in Sociology**

Hours 1-6

1-6 hour independent study course allowing students to conduct sociological research under faculty supervision.

Prerequisite(s): SOC 101

**SP101 Introductory Spanish I***FL, HU*

Hours 4

This is an introductory course to the Spanish language and Hispanic culture. Part of a two-course sequence, SP 101 and SP 102 are designed to develop: (i) basic communicative skills in Spanish as a foreign language; and (ii) general knowledge about culture in the Spanish-speaking world. Students should not expect this course to be just about memorization of grammar and vocabulary. Although these aspects are necessary to achieve the aforementioned skills and knowledge, they are not the sole focus of this course.

Foreign Language, Humanities

**SP102 Introductory Spanish II***FL, HU*

Hours 4

This is an introductory course to the Spanish language and Hispanic culture. Part of a two-course sequence, SP 101 and SP 102 are designed to develop: (i) basic communicative skills in Spanish as a foreign language; and (ii) general knowledge about culture in the Spanish-speaking world. Students should not expect this course to be just about memorization of grammar and vocabulary. Although these aspects are necessary to achieve the aforementioned skills and knowledge, they are not the sole focus of this course.

Prerequisite(s): SP 101 with a grade of C- or better

Foreign Language, Humanities

**SP104 Spanish for Engineering***FL, HU*

Hours 6

SP 104/105 for Engineering is an introductory sequence to the Spanish language and culture as it bears on both the basics and engineering. As a skills-development sequence, it will require students to learn, practice, and apply knowledge and abilities in a way that is different from most other university courses. Practice outside the class and pre-class preparation will be essential for successful completion of this course. Each class is worth three credit hours. This course sequence is only offered in Spain.

Foreign Language, Humanities

**SP201 Intermediate Spanish***HU*

Hours 3

This is an intermediate course to the Spanish language and Hispanic culture. Part of a two-course sequence, SP 201 and SP 202 are designed to develop: (i) continued communicative skills in Spanish as a second language; and (ii) additional knowledge about culture in the Spanish-speaking world. Do not expect this course to be just about memorization of grammar and vocabulary. Although these aspects are necessary to achieve the aforementioned skills and knowledge, they are not the sole focus of this course.

Prerequisite(s): SP 102 with a grade of C- or better

Humanities

**SP202 Intermediate Spanish***HU*

Hours 3

This is an intermediate course to the Spanish language and Hispanic culture. Part of a two-course sequence, SP 201 and SP 202 are designed to develop: (i) continued communicative skills in Spanish as a second language; and (ii) additional knowledge about culture in the Spanish-speaking world. Do not expect this course to be just about memorization of grammar and vocabulary. Although these aspects are necessary to achieve the aforementioned skills and knowledge, they are not the sole focus of this course.

Prerequisite(s): SP 201 with a grade of C- or better

Humanities

**SP211 Honors Intermediate Spanish I***HU, UH*

Hours 3

Honors Intermediate Spanish I, is the first course of the two-semester program of Honors Intermediate Spanish.

Prerequisite(s): A grade of C- or higher in SP 102; or the equivalent from another institution; or 3+ years of high school Spanish; or a 3 on the AP Spanish exam.

Humanities, University Honors

**SP212 Honors Intermediate Spanish II***HU, UH*

Hours 3

Honors Intermediate Spanish II, the second course of the two-semester program of Honors Intermediate Spanish.

Prerequisite(s): SP 211

Humanities, University Honors

**SP337 Gendered Cultures in Hispanic Societies**

Hours 3

This course is focused on issues of sociopolitical and cultural expectations in the Hispanic world throughout different time periods. It examines legal, moral, political, and religious rights and expectations prevalent throughout Spain's history. Students will discuss representative authors of the time period selected each semester and analyze how their work represents corruption and inequality in each gender's expected societal functions.

Prerequisite(s): SP 353 or SP 355, and SP 356

**SP352 Spanish Conversation**

Hours 3

Spanish conversation.

**SP353 Spanish Conversation**

Hours 3

The course is also offered in Spain as SP 352; it is not open to native and heritage speakers. Offered each semester. This is a required course for majors/minors.

Prerequisite(s): SP 202 with a grade of C- or better

**SP354 Adv Grammar & Composition**

Hours 3

Adv Grammar &amp; Composition.

**SP355 Spanish for Native and Heritage Speakers**

Hours 3

Advanced Spanish course designed for students of Hispanic background, who are either native speakers or heritage speakers of Spanish and want to improve their formal knowledge of the language.

Prerequisite(s): Only for native or heritage speakers of Spanish. Must interview with professor.

**SP356 Adv Grammar And Compos**

Hours 3

The course is also offered in Spain as SP 354. Review of Spanish grammar with emphasis on written expression in Spanish. This is a required course for majors/minors. Offered each semester.

Prerequisite(s): SP 202 with a grade of C- or better or placement.

**SP360 Spanish for Business**

Hours 3

This course is structured to allow students to familiarize themselves with the world of business in Spanish. The course content focuses on language, vocabulary, concepts, and cultural practices that are specific to the Hispanic world. Key concept areas to be covered include company structure, manufacturing, marketing, export and import, as well as specific cultural themes of commerce in Spanish-speaking countries.

Prerequisite(s): SP 353 or SP 355, and SP 356

**SP361 Intro Romance Linguistic**

Hours 3

Credit for this course is not applicable toward the requirements of the Spanish major or minor.

**SP362 Spanish for Healthcare Professionals**

Hours 3

This course is designed to build fluency in both spoken and written Spanish that will enable the healthcare professional to communicate more effectively with a patient. The course emphasizes vocabulary acquisition and cultural nuances. In addition, along with a grammar review, students will work on improving their self-expression in order to master the communication skills necessary in a healthcare profession. This course contains a service-learning component. Service-learning is an education experience in which students participate in an organized service activity that meets identified community needs. It is a reflection on the service activity to gain further understanding of course content and an enhanced sense of civic responsibility. All students are expected to engage in a total of 15 hours of volunteering at a local health clinic or a related health fair activity. Your assistance in interpreting for a local health clinic such as the University Medical Center (UMC), Maude Whatley, or the Good Samaritan clinic will provide assistance that is necessary and crucial for the well-being of members of the Hispanic community.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or 366 with a grade of C or better.

**SP364 Cultures of Spain**

Hours 3

This course is designed to engage with a panoramic view of the sociopolitical developments in the various cultures of Spain. It emphasizes the complex natures of different communities and heritages, offering students fundamental knowledge to advance to more advanced courses. This course presents critical approaches about a variety of aspects that conform the richness of Spanish cultures and seeks to explore them through activities that develop students critical and analytical thinking skills.

Prerequisite(s): SP 353 or SP 355, and SP 356

**SP366 Cultures of Latin America**

Hours 3

This course is designed to engage with a panoramic view of the sociopolitical developments in the various cultures of Latin America. It emphasizes the complex natures of different communities and heritages, offering students fundamental knowledge to advance to more advanced courses. This course presents critical approaches about a variety of aspects that conform the richness of Latin American cultures and seeks to explore them through activities that develop students critical and analytical thinking skills.

Prerequisite(s): SP 353 or SP 355, and SP 356

**SP367 Spanish for International Relations**

Hours 3

This course allows students to learn methods to understand and write documents in technical areas that are usually not taught in conventional language courses, such as International Relations and their intersection with Economics and Political Science. This course adds a useful dimension to language learning by making Spanish a valuable tool for students who will operate in a modern world, where international communications are rapidly expanding. Students will also have the opportunity to practice and improve their knowledge of Spanish grammar and syntax.

Prerequisite(s): SP 353 or SP 355, and SP 356

**SP371 Literatures and Cultures of Spain until 1800**

W

Hours 3

This course is designed to explore Spanish literature from the Middle Ages until the 18th century. This course offers a panoramic view of the main styles and discourses that characterize the evolution of Spain's culture. Class debates will be the main interaction method during this course. Students' reading and writing skills will be reinforced and worked on, particularly as it pertains to critical thinking and writing. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366

Writing

**SP372 Literatures and Cultures of Spain since 1800**

W

Hours 3

This course examines literatures and cultures of Spain since 1800. Students will read and analyze a wide corpus of representative authors, genres, literary and cultural movements. This course fosters students' critical thinking through written and oral communication, based on the contextual as well as textual analysis of the representative works chosen. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366

Writing

**SP375 Latin American Literatures and Cultures until 1900**

W

Hours 3

This course covers important works from Hispanic-American literature from the colonial period to around 1900. Three units cover the colonial period, the independence period (nineteenth century), and the fin de siglo (turn of the twentieth century). Class meetings will include a combination of lecture, practice activities, games, and discussion. Students will develop reading comprehension and communication skills, particularly regarding academic writing and critical thinking. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366

Writing

**SP376 Latin American Literatures and Cultures since 1900**

W

Hours 3

This course discusses the importance of literature in developing ideas about Latin American citizenship and identities during the 20th and early 21st centuries. Students will read and study key Latin American works from different literary genres and regions to become familiar with issues faced over these time periods such as race, gender, class, violence, sexual orientation, and the experience of modernity. This course fosters students' critical thinking through written and oral communication through contextual and textual analysis of selected works. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366

Writing

**SP377 Introduction to US Latino literatures and cultures**

W

Hours 3

The purpose of the course is to present a body of works that are essential in the establishment and development of the literature written by Hispanics in the US. Although the main element in the course is the study of US Latino texts of different genres (essay, drama, poetry and fiction), we will also pay attention to socio-historical aspects that are instrumental in contextualizing the literary text. This is a Writing Course; therefore, writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): SP 353 SP 356 SP 366 (or SP 364)

Writing

**SP383 Fundamentals of Spanish Linguistics**

Hours 3

This course is an introduction to Spanish linguistics. It establishes a foundation for the scientific study of language, with Spanish as the object of investigation. At its broadest level linguistics formalizes generalizations about the human faculty of language, a unique cognitive ability that allows us to learn any language(s) that we are exposed to as children and use this knowledge throughout our lives in a variety of ways. The Spanish language is a manifestation of this human capacity and, therefore, Spanish linguistics focuses on understanding how this language in particular works within a general human cognitive framework, as well as its social context.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366

**SP384 Spanish Pronunciation: From Theory to Practice**

Hours 3

This course provides students with an introduction to the fundamental features of Spanish pronunciation. This includes an awareness of the sound inventory of Spanish and its variants, the creation of syllables and assignment of word stress, and finally the production of a unique Spanish rhythm and intonation. Students are given basic linguistic tools of analysis along with practical guidance on how to improve their pronunciation in Spanish.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366

**SP389 Spanish Outreach**

Hours 3

The Spanish Outreach Program is a unique service learning class that seeks to place Spanish majors and minors as semester interns in local schools where they will assist our younger members of society with individual tutoring, comprehension of lesson, personal dialogue, interpretation, and other language based tasks. At the same time the UA "Outreachers" can hone their linguistic skills while they serve the Tuscaloosa-Northport community.

Prerequisite(s): SP353 SP356 Must be a major or minor in Spanish Minimum GPA of 3.0 Must interview with Program Director

**SP390 Special Topics**

Hours 1-6

Special studies on topics related to Spanish language, literature, and culture. The content of the course varies from semester to semester. A maximum of 6 credit hours may be earned in SP 390.

Prerequisite(s): SP 353 and SP 356; and (SP 364 or SP 366)

**SP426 Contemporary Approaches to Spain**

Hours 3

This course is an introduction to contemporary Spanish literature, art and culture. The course includes a selection of works to apply a variety of critical perspectives. Students will consider the social and political events of the period and their effect on Spanish identities. Students will analyze key works from various perspectives and will apply different theoretical tools, including cultural studies. Students will learn about how social and political changes of the period (from the Spanish civil War to the recent years of Democratic stability), affected cultural production in Spain. The content of the course includes the literary, artistic, and cultural characteristics of contemporary Spain.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366, and Two of the following: SP 371, SP 372, SP 375, SP 376 or SP 377.

**SP430 Hispanic Culture through Film**

Hours 3

This course explores contemporary Hispanic culture through visual representations. The course analyzes many films that reflect and represent the social, political, and cultural changes in the Hispanic world. By analyzing cinema and artistic representations, along with selected critical articles on film theory, the course examines women's roles in society, domestic violence, migration, social problems, globalization, unemployment, and the crisis, among other topics. This course explores the sociological, cultural and political forces that have inspired such visual representations and it focuses on different filmic representations: Latin American, Trans-Atlantic or Spanish cinema.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366, and Two of the following: SP 371, SP 372, SP 375, SP 376 or SP 377.

**SP437 Social Justice in the Hispanic World**

Hours 3

This course is an undergraduate seminar designed to allow students to explore different perspectives covering societal and cultural issues of social justice in the Hispanic world throughout the centuries. This focus on global issues aims to connect students as global citizens with universal cultural considerations. Each iteration of this course may focus on a different specialty, including linguistics or literature, and may range from a variety of locations (Latin America and/or Spain) to several time periods (Colonial, Early modern, 18-19 or 20-21 centuries).

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366, and Two of the following: SP 371, SP 372, SP 375, SP 376 or SP 377

**SP483 Advanced Spanish Linguistics**

Hours 3

This course examines several topics, including the sound system of the language (phonology), how words are formed (morphology), how phrases and sentences are created (syntax), and how words develop different meanings (semantics and pragmatics). In addition, we discuss other areas such as the evolution of Spanish from Latin, and language variation and change (dialectology and sociolinguistics).

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366, and SP 383, and SP 384.

**SP484 Advanced Spanish Phonetics and Dialectology**

Hours 3

This course introduces students to phonetic and phonology features of Spanish within the context of regional variation. The course provides the tools of basic phonetic transcription, which can be used to represent different pronunciations in the Spanish-speaking world. This enhanced view of the Spanish sound system is also used to demonstrate differences with the pronunciation of English.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366, and SP 383, and SP 384

**SP485 Special Topics: Spanish Linguistics**

Hours 3

This course offers students the opportunity to examine an area of Spanish linguistics in more depth. Topics vary, as each iteration of this course is expected to cover different areas of Spanish Linguistics. Examples: History of the Spanish Language, Spanish Syntax, Bilingualism, Sociolinguistics, and Spanish-English Contrasts.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366, and SP 383, and SP 384.

**SP487 Special Topics in US Latino Studies***FL, HU*

Hours 3

This course proposes an in-depth study of US Latino Literatures, Arts and Cultures. Topics may vary. It may be repeated for credit.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366, and Two of the following: SP 371, SP 372, SP 375, SP 376 or SP 377.

Foreign Language, Humanities

**SP488 Special Topics: Literatures and Cultures of Spain**

Hours 3

This course is an undergraduate seminar for majors and minors with the main objective of exploring a variety of topics related to literary and cultural representations of Spain. This interdisciplinary course examines critical approaches about a variety of aspects, which may pertain to different time periods, ranging from Colonial, Early modern, 18-19 or 20-21 century Spain. Each iteration of this course is expected to cover a variety of literary authors and cultural movements.

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366, and Two of the following: SP 371, SP 372, SP 375, SP 376 or SP 377.

**SP489 Special Topics: Latin American Literatures and Cultures**

Hours 3

This course is an in-depth analysis of a particular author, a group of authors, a literary movement, literary motifs, cultural discourses, and/or cultural mores pertaining to Latin America and the Caribbean. This seminar considers a diverse body of texts (chronicle, essay, narrative, poetry, theater, film). Active participation is expected from students, who must demonstrate critical thinking in their study of the texts. Each iteration of this course is expected to cover a variety of topics (including but not limited to slavery, servitude and freedom in Cuba; relationships between trash and cultural production in Latin America; and Mexican literature and its portrayal of political, economic, and social crisis during the 20th and 21st centuries).

Prerequisite(s): SP 353 or SP 355, and SP 356, and SP 364 or SP 366, and Two of the following: SP 371, SP 372, SP 375, SP 376 or SP 377.

**SP490 Open Topics***FL, HU*

Hours 1-6

Topics vary, and the course may be repeated for credit. Offered according to demand.

Prerequisite(s): SP 353, SP 356 and two of the following: SP 371, SP 372, SP 375, SP 376, SP 377.

Foreign Language, Humanities

**SP491 Cervantes***W*

Hours 3

This course is designed to allow students to familiarize themselves with Cervantes' writing by reading a variety of his literary works. Although this course will show students a variety of the main critical approaches to Cervantine literature, our focus will not be solely on reading what other critics have said about his works, but on allowing each student to develop their own interpretation of the sociocultural issues presented in them. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): SP 353 or SP 355, SP 356, SP 364 or SP 366, and Two of the following: SP 371, SP 372, SP 375, SP 376 or SP 377.

Writing

**SP492 Spanish in the US**

Hours 3

This course is designed to reflect the current linguistic situation of Spanish-speakers in the US, either born in this country, or abroad, and hailing from all countries where Spanish is spoken. This course will examine the different linguistic histories of those who live with two (or three) languages.

Prerequisite(s): SP 353 and SP 356 or permission of the instructor

**SWA101 Elementary Swahili**

FL

Hours 3

This course will emphasize the development of practical communicative ability in Swahili along with basic cultural knowledge of the areas where Swahili is spoken in Africa. Native speakers of this language are not allowed to take this course. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Foreign Language

**SWA102 Elementary Swahili**

FL

Hours 3

This course will emphasize the development of practical communicative ability in Swahili along with basic cultural knowledge of Swahili-spoken areas in Africa. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): SWA 101

Foreign Language

**TH113 Voice And Diction**

Hours 3

Credit for this course will not be awarded to students majoring or minoring in theatre. A beginning course designed to assist the student in improving use of his or her voice and speech. Offered annually and in the summer session.

**TH114 Intro To The Theatre**

FA

Hours 3

Introduction to the theatre through the study of plays, stage histories, practitioners, elements of theatre and production techniques.

Fine Arts

**TH115 Beginning Acting**

Hours 3

Credit for this course will not be awarded to students majoring or minoring in theatre. Training in the basic elements of the actor's craft. Additional hours in related theatre activities may be required.

**TH120 Principles Of Stage Design**

FA

Hours 3

An introduction to the various areas of theatrical design and technology, including but not limited to scenery, costumes, lighting, sound, and makeup.

Fine Arts

**TH141 Acting I**

Hours 3

The course is designed to introduce the beginning student to the art and craft of acting.

Prerequisite(s): This class is open to Theatre Majors and Minor

**TH165 Musicianship Theatre Perform I**

Hours 3

A course in basic musical theatre skills, including sight-singing, playing keyboard instruments, singing in harmony, phonetic transcription, and audition techniques.

**TH166 Musicianship Theatre Perf II**

Hours 3

A continuation of TH 165, featuring more advanced work in sight-singing, keyboard, ensemble singing, and audition techniques. May be repeated for a maximum of 6 hours.

Prerequisite(s): TH 165

**TH175 The Singing Voice**

Hours 2

The class is designed to introduce students to basic concepts of vocal technique and musicianship through practical application.

**TH191 Practicum I**

Hours 1

This course provides for participation in productions with The University of Alabama's Department of Theatre and Dance. Participation typically will be in the form of working on show crews, in the shops, or in the ticket office.

**TH220 Fundamentals of Stagecraft**

Hours 3

A survey of the techniques and materials for building, rigging, and painting scenery for varied forms of theatre production. Emphasis is on the standard techniques for the legitimate stage. Introduction to stage lighting and sound is also included. REQUIRED LAB.

**TH230 Stage Makeup**

Hours 2

Required lab. Principles of and practical work in all types of stage makeup.

**TH231 Beginning Costume Construction**

Hours 3

A studio course in basic patterning, cutting, and construction techniques. Additional hours in related theatre activities may be required.

**TH233 Beginning Costume Design**

Hours 3

An introductory course implementing the principles of design as related to costumes.

Prerequisite(s): TH 120

**TH240 Beginning Movement**

Hours 3

A beginning course in movement for the actor and development of the physical instrument for performance. May be repeated for up to 6 credit hours as topics rotate.



**TH242 Acting II Intro to Scene Stud**

Hours 3

Majors- only advanced acting course. An in depth study of various techniques used to explore an acting scene in performance: advanced personalization, intense experiential analysis of emotional and intellectual transitions in a text, and specific physical and musical improvisations, which combine to form the basis of a "Simulated Experience" of the character. Students will explore works from the Realistic Period as well as modern texts, in order to develop a personal technique applicable to any material the actor might encounter, both classical and contemporary.

Prerequisite(s): TH 141

**TH245 Tch Theatre: Performance**

Hours 3

Survey of the practical and theoretical knowledge necessary to teach theatre. Topics include acting, directing, choosing plays for production, and rehearsal techniques.

**TH291 Practicum II**

Hours 1

This course provides for participation in productions with The University of Alabama's Department of Theatre and Dance. Participation typically will be in the form of working on show crews, in the shops, or in the ticket office.

Prerequisite(s): TH 191

**TH322 Fund Of Stage Lighting**

Hours 3

Required lab. Survey of materials and techniques employed in executing stage lighting for both the legitimate stage and television.

Prerequisite(s): TH 114 or TH 120 or TH 220

**TH324 Lighting and Sound for Dance**

Hours 3

A technical production course specifically for dance majors covering the practical aspects of theatre technology.

**TH350 African American Experience in the Performing Arts***HU*

Hours 3

This course will explore a wide range of performance art created by African American artists. The works examined will span from the early nineteenth century to modern contemporary works. Students will view the works of artists, as they have reflected on black identity and experience in theatre, musical theatre, dance and performance art. This course will explore the nature of representation in storytelling: Who tells the story? Why does it matter? How is power reinforced, resisted, subverted, or transformed by the telling and re-telling that occurs in the performing arts?.

Humanities

**TH361 Beginning Directing**

Hours 3

Study of the principles and techniques of directing plays. Additional hours of related theatre activities are required.

Prerequisite(s): TH 141 and TH 120 or TH 220

**TH365 Stage Management**

Hours 3

The study of the professional stage manager's process: preparing and running rehearsal and performance, conflict resolution, and general responsibilities as defined by Actor's Equity Association. Required production element outside of class.

Prerequisite(s): TH 141 and TH 120 or TH 220

**TH391 Practicum III**

Hours 1

This course provides for participation in productions with The University of Alabama's Department of Theatre and Dance. Participation typically will be in the form of working on show crews, in the shops, or in the ticket office.

Prerequisite(s): TH 291

**TH395 Theatre Careers**

Hours 3

This course provides an exploration and introduction to the business of being a professional theatre artist or practitioner.

**TH415 Properties Construction**

Hours 3

A studio course introducing the multitude of techniques used by the props artisan to create hand props, furniture, and other set dressings.

Prerequisite(s): TH 120 or TH 220

**TH416 Rigging Fundamentals for Theatre**

Hours 3

This course covers the theories and analysis of rigging systems, their design and engineering as well as practical implementation and operation. This course is intended for the student that already has been exposed to standard theatrical production concepts and methodologies. Furthermore, a large portion of the subject matter of the class deals in scientific theory and computations so competency in basic mathematics, algebra, and basic physics are essential.

Prerequisite(s): TH 220

**TH419 Electricity and Electronics for the Stage**

Hours 3

This course provides study and studio work in aspects of electricity and electronics with reference to understanding, usage, and design of systems for theatrical production. This course will cover the essential concepts of electrical theory for both AC and DC systems. The student will not only be exposed to theory, but will also have hands-on experience. As a large portion of the subject matter of the class deals in scientific theory and computations, competency in basic mathematics and algebra is essential.

Prerequisite(s): TH 220 or Instructor Approval

**TH420 Technical Direction**

Hours 3

This course will provide students with an overview of the technical design, construction techniques, and the administrative and management functions that are a part of the field of technical direction.

Prerequisite(s): TH 220 and TH 423

**TH421 Period Decor**

Hours 3

A survey of period architecture, art, and decorations as they apply in research for theatrical design and productions.

Prerequisite(s): TH 120 or TH 220

**TH422 Scene Design**

Hours 3

A studio course exploring the process and techniques of scene design. Students will design about ten projects from three to five plays.

Prerequisite(s): TH 120 or TH 220 or TH 423

**TH423 Drafting For Theatre**

Hours 3

A studio course concentrating on traditional technical drafting techniques as applied to the theatre. Skills learned will include orthographic and isometric projections, ground plans, sections, perspective drawing, and layout.

Prerequisite(s): TH 120 or TH 220

**TH425 Scene Painting**

Hours 3

A studio course in the materials and techniques for painting and creating surfaces for stage scenery. A materials fee of \$35 is required.

Prerequisite(s): TH 120 or TH 220

**TH426 Sound Design**

Hours 3

The course provides the student with a working knowledge of theatrical sound design. It emphasizes the creation of sound files for theatre and dance, and the techniques for professional sound design communication.

**TH427 Computer Drafting For Theatre**

Hours 3

A studio course exploring the creation of technical drawings through Computer Aided Drafting. Skills learned will include commands for drawing, layout of information, and other CAD techniques.

Prerequisite(s): TH 120 or TH 220

**TH428 Beginning Lighting Design**

Hours 3

Lecture, discussion, and projects, training in theatrical lighting design. Provide the undergraduate level design & technical student an in-depth understanding of the design methods of stage lighting, including lighting analysis; generation of paperwork; calculation of field angles; prediction of color effects; assembly of complete designs from concept to technical rehearsal; and a thorough understanding of stage lighting science, terminology, aesthetics, and professionalism.

Prerequisite(s): TH 322

**TH432 Costume Constructn II**

Hours 3

A studio course in advanced costume construction techniques and/or costume crafts. Topics may include tailoring, corsetry, millinery, armor, wigs, masks, and jewelry. May be repeated for credit.

**TH433 Costume Design I**

Hours 3

A studio course in costume design, principles, and presentation.

Prerequisite(s): TH 120

**TH435 Presentation for Designers**

Hours 3

Preparation of "hard," digital and web-based portfolio presentations. Also included is information on presentation in a professional setting, such as a job interview or adjudication.

**TH436 Fabric Modification**

Hours 3

Course Description: This course explores and introduces a variety of techniques in which to modify the original appearance and/or intent of fibres and fabrics. This is done through the use of various dyes/techniques, surface treatment, use of non-traditional materials and restructuring of fabrics.

**TH439 Advanced Stage Makeup**

Hours 3

A studio course using a variety of materials in the art of mask making, hair ventilating, and prosthetics.

Prerequisite(s): TH 230

**TH440 Stage Movement III**

Hours 3

Advanced theory and practice of specific stage movement, such as Alexander Technique, Developmental Movement, Grotowski, clowning, Mask, Stage Combat, Mime, and Stage Combat, Laban Movement Analysis, Devised Movement. Techniques alternate in successive semesters. May be repeated for a maximum of 6 hours for differing topics.

**TH441 Acting III: Advanced Scene Study**

Hours 3

Thorough exploration of character study, script analysis, and scene work for the actor. Offered in alternate years. This course is repeatable up-to 6 credit hours.

Prerequisite(s): TH 242, or permission of the instructor.

**TH442 Careers In Prof Theatre**

Hours 3

The course focuses on audition and interview techniques for stage and screen, unions, resume writing, identification of type and market, and other skills required to apply for positions in the academic and professional theatre. May be repeated once for a maximum of 6 credit hours.

Prerequisite(s): TH 441 and permission of the instructor

**TH444 Acting 5 Seminar: Comedy and Film**

Hours 3

Study and practice of acting styles from 1900 to the present, concentrating on classical comedy, high comedy, situation comedy and acting for the camera. As playwrights studied vary semester to semester, this course may be repeated for a maximum of 6 credits.

Prerequisite(s): TH 242 and TH 441

**TH445 Acting 4 Seminar: Acting Shakespeare**

Hours 3

Study and practice of acting in verse drama, concentrating on the particular demands of Shakespeare's works. As works studied rotate depending on semester, this course may be repeated for a maximum of 6 credit hours.

Prerequisite(s): TH 242 and TH 441

**TH446 Adv Voice Speech Perform**

Hours 3

Intensive exercises and practice in the healthy use of voice and speech for performers. This course is repeatable up-to 6 hours, and is also offered as Interim Intensive. The course will include an introduction to Fitzmaurice Voicework, Archetypes for Actor, along with articulation and text work to develop the vocal skills of the actor.

Prerequisite(s): TH 141 or Permission of the Instructor

**TH447 Stage Dialects**

Hours 3

Study of stage dialects for the performer. Offered in alternate years. This course is repeatable up-to 6 hours.

Prerequisite(s): TH 446, or permission of the instructor.

**TH448 Rehearsal Process**

Hours 3

In this acting course, students analyze and participate in the rehearsal process of both unpublished and published scripts. May be repeated once for a maximum of 6 credit hours.

Prerequisite(s): TH 441

**TH451 Hist Of The Theatre I**

W

Hours 3

Covers the period from western theatre's beginnings to the 18th century. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. This course is restricted to Seniors or by permission of the Instructor.

Prerequisite(s): TH 120 or TH 220

Writing

**TH452 History Of The Theatre II**

W

Hours 3

Covers the period in western theatre from late 18th century Romanticism to the current 21st century theatre. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. This course is restricted to seniors, or by permission of the Instructor.

Prerequisite(s): TH 120 or TH 220

Writing

**TH458 American Feminist Theatre**

Hours 3

Survey of dramas, performances, criticism and theory since 1900 in American Theatre. Offered every three years.

Prerequisite(s): TH 120 and TH 220

**TH461 Advanced Directing**

Hours 3

Through class discussions and presentations of various styles, theories and approaches to the craft and art of directing, students will apply new ideas and concepts in a practical, hands-on studio setting. This studio work will be augmented with the direction of a short one-act play or extended scene with minimal, "bare-bones" production value at the end of the semester. May be repeated once for a maximum of 6 credit hours.

Prerequisite(s): TH 120 or 220 TH 115 or equivalent TH 361

**TH465 Musical Theatre Performance I**

Hours 3

A course in musical theatre scene study, in which acting, singing, and movement skills are blended in the performance of songs and scenes.

Prerequisite(s): TH 166

**TH466 Musical Theatre Performance II**

Hours 3

A special topics course exploring such areas as musical theatre history, cabaret performance, in-depth study of a single work, etc.

Prerequisite(s): TH 465

**TH467 Musical Theatre Repertoire Coac**

Hours 0.5-2

Individual coaching in musical repertoire, musical and dramatic performance techniques, and skills crucial to learning and rehearsing new material.

Prerequisite(s): TH 166 and THMT 174, TH 174, or MUA 174.

**TH470 Theatre Management**

Hours 3

This course will provide students with an overview of the administrative and management functions in the not-for-profit organizations, and the commercial theatre industry.

Prerequisite(s): TH 120 or TH 220

**TH482 Playwriting I Seminar**

Hours 3

The course introduces the basic fundamentals of writing for the stage. Practical instruction in playwriting includes an opportunity to write a one-act play. The course allows students the opportunity to explore different forms (full length plays, one person shows, etc) in a subsequent semester, so the class may be repeated for a maximum of six credits.

Prerequisite(s): TH 120 or TH 220

**TH491 Practicum IV**

Hours 1

This course provides for participation in productions with The University of Alabama's Department of Theatre and Dance. Participation typically will be in the form of working on show crews, in the shops, or in the ticket office.

Prerequisite(s): TH 391

**TH495 Senior Project (Capstone Experience in Theatre)**

Hours 3

The Senior Project is a culminating course designed for BFA majors at the University of Alabama that demonstrates the student's growth in their particular area of study (acting, musical theatre, design/technical production). Each student will present a final project in the area of scholarly research or performance/design work within a production (undertaken at some point in their training) that reflects advanced understanding of their chosen topic and accumulated experience. The supervisor of the particular area of study determines the most appropriate format for the student's project. This course fulfills the capstone requirement for the department's core curriculum. A written proposal must be submitted to supervising faculty for approval by the end of the semester preceeding the final semester.

Prerequisite(s): Permission from faculty supervisor or department head.

**TH499 Independent Study**

Hours 1-4

*No description available*

**THAI101 Elementary Thai**

FL

Hours 3

Contemporary Thai: speaking, reading, and writing. Course involves directed-self-instructional approach in the Critical Languages Center. Students are required to study the textbook and practice with assigned audio visual materials (CDs, DVDs, or computer files). Students have practice sessions three hours per week (or equivalent) with a "language trainer" who is a native/near native (or superior/advanced level) speaker of the language. Native or near native speakers of this language cannot take this course. Any students with background knowledge of this language must see the CLC director for permission BEFORE registering. Not repeatable.

Foreign Language

**THAI102 Elementary Thai**

FL

Hours 3

This course will emphasize the development of practical communicative ability in Thai along with basic cultural knowledge of Thai. The class has a supervised self-study structure. Students are required to study the textbook and practice with assigned audiovisual materials (CDs, DVDs or computer video files) by themselves outside the class. Students have practice sessions three hours per week with a language trainer who is a native/near native speaker (or ACTFL advanced-high or superior level) of the language in class. The language trainer will help students develop their communicative ability during class meetings. During the sessions students will actively participate in practicing spoken language to acquire better pronunciation and conversation skills. English use will be kept to a minimum in class. Language trainers will monitor active participation throughout the semester by use of the Student Performance Sheet which will be sent to the director of the CLC. Regular class attendance and participation is required. Cultural aspects of Thai will be added to communication practice of Thai.

Prerequisite(s): THAI 101 with a grade of C- or higher, or passed the placement exam under supervision of the CLC director AND permitted by the director.

Foreign Language

**THAI201 Intermediate Thai**

Hours 3

Continuation of Thai language on the intermediate level. Emphasis is on the development of reading skills and writing proficiency. Not repeatable without permission of the CLC director. Offered according to demand.

Prerequisite(s): THAI 102

**THMT174 Freshman Musical Theatre Voice**

Hours 1-2

Private Instruction. This class is designed to work on vocal technique, including but not limited to, breathing, resonance, coordination of vocal registers, and musical theatre repertoire.

Prerequisite(s): Acceptance into the Musical Theatre Program, by audition only.

**THMT274 Sophomore MTVoice**

Hours 1-2

Private Instruction. This class is designed to work on vocal technique, including but not limited to, breathing, resonance, coordination of vocal registers, and musical theatre repertoire.

Prerequisite(s): THMT 174 or TH 174

**THMT301 Musical Theatre History I**

HU

Hours 3

Musical Theatre History I (1840s-1943): This course offers students an opportunity to analyze the developmental history of the indigenous American art form of musical theatre. With a historical and ethical lens, students will explore the earliest origins and influences of musical theatre against the backdrop of a socially evolving and industrially developing American landscape pre World War II.

Humanities

**THMT302 Musical Theatre History II***HU*

Hours 3

Musical Theatre History II (1943-Present): This course offers students an opportunity to analyze the developmental history of the indigenous American art form of musical theatre. Through a historical and ethical lens, students will explore the development and influences of musical theatre against the backdrop of a developing American landscape post World War II.

Humanities

**THMT374 Junior Musical Theatre Voice**

Hours 1-2

Private Instruction. This class is designed to work on vocal technique, including but not limited to, breathing, resonance, coordination of vocal registers, and musical theatre repertoire.

Prerequisite(s): Permission of the instructor or THMT 274.

**THMT474 Senior MTVoice**

Hours 1-2

Private Instruction. This class is designed to work on vocal technique, including but not limited to, breathing, resonance, coordination of vocal registers, and musical theatre repertoire.

Prerequisite(s): THMT 374

**THMT475 Senior Musical Theatre Voice (5th Year)**

Hours 1-2

Private Instruction. This class is designed to work on vocal technique, including but not limited to, breathing, resonance, coordination of vocal registers, and musical theatre repertoire.

Prerequisite(s): Permission of instructor.

**TURK101 Elementary Turkish***FL*

Hours 3

This course will emphasize the development of practical communicative ability in Turkish along with basic cultural knowledge of Turkey. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Foreign Language

**TURK102 Elementary Turkish***FL*

Hours 3

This course is intended for students who have already taken TURK 101. Native speakers of this language are not allowed to take this course. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): TURK 101

Foreign Language

**TURK201 Intermediate Turkish**

Hours 3

Continuation of Turkish language on the intermediate level. Emphasis is on the development of reading skills and writing proficiency. Not repeatable without permission of the CLC director. Offered according to demand. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): TURK 102

**VIET101 Elementary Vietnamese***FL*

Hours 3

This course will emphasize the development of practical communicative ability in Vietnamese along with basic cultural knowledge of Vietnam. This course is for students with no prior knowledge of Vietnamese. Native speakers of this language are not allowed to take this course. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Foreign Language

**WS200 Intro To Women Studies***HU*

Hours 3

An interdisciplinary course examining the roles of women in patriarchal society, with emphasis on how factors such as race, class, gender, and sexuality contribute to the oppression of women and ways they can be challenged through feminist critical practices.

Humanities

**WS205 Women's Autobiographies**

Hours 3

Through an examination of women's autobiographical writings, the roles women have assumed in different cultures and periods are considered. Analytical techniques from the study of art, literature and psychology are used to discover issues inherent in women's experiences.

**WS220 Mothers And Daughters**

Hours 3

Investigation of the institution of motherhood, the forces shaping it, and the significance of mother-daughter relationships.

**WS300 Studies in Gender and Sexuality**

Hours 3

Students in the course will consider the description of gender and sexuality in popular culture, with the aim of understanding the relationship between both concepts. The goal is to follow up on the introduction to Women's Studies with more in depth analysis of how gender and sexuality are defined for individuals, in the law, and as a consequence of social change.

Prerequisite(s): WS 200

**WS310 Special Topics**

Hours 3

Changing topics: for example, women and work, women in the world, social inequality.

**WS323 Hate Crimes**

Hours 3

What are the causes and consequences of bias-motivated crimes? What are the larger social and political contexts? In this class, students will examine how bias-motivated violence receives attention in the media, how and why hate crimes legislation came to be seen as a necessary legal tool to curb crimes based on race, gender, gender identity, religion, and sexual orientation. Students will also explore the opposition to such laws and the degree to which communities are able to respond to incidents of bias-motivated violence. Students will also explore the proliferation of hate groups and the impact of those groups on social and political debates over hate crimes laws.

**WS329 Social Movements through Social Media**

Hours 3

This course explores contemporary U.S. social movements around gender and racial justice through the lens of social media activism. The multi-faceted online forums that activists have at their disposal today marks a significant break with the past and yet, "using" the media has long been a central tactic for many U.S. justice movements of the late 20th century. Students will be guided through data collection exercises and discursive analysis of the information gathered in order to interrogate the knowledge produced by select social movements through their use of social media overtime. Employing theoretical, historical, and ethnographic arguments at the center of feminist and anti-racist struggles, students will explore the opportunities and constraints of relying on social media and its particular import for what the academy refers to as a "public intellectualism."

**WS340 Women And Law**

Hours 3

This seminar's major focus is the impact of law on the status and lives of women.

**WS342 Women in the South**

W

Hours 3

Examination of the cultural concepts, myths, and experiences of black and white Southern women from a variety of economic and social backgrounds. Special attention is given to the interaction of race, class, and gender in Southern women's lives. Texts include historical studies, autobiographies, biographies, oral histories and novels written by and about women in the 19th and 20th -century South. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**WS345 Black Politics**

Hours 3

This course examines the historical origins and present framework of Black politics, including the civil rights movement, Black political culture, local and community politics, and current and future issues for Black America such as Black imagery in television/film, Black feminism, sexuality, the War on Drugs, the impact of mass incarceration, and modern social justice and protest movements like #BlackLivesMatter. We will explore questions regarding the history of race in American political life as well as how race has shaped a broader national identity. We will evaluate what concepts like "equal treatment under the law" and "liberty and justice for all" mean with respect to the legacy of Black political participation.

**WS352 Social Inequality**

Hours 3

Analysis of inequities of wealth, power, and prestige; major theories of racial and cultural minorities; behavioral correlates of stratification; social mobility.

**WS360 Black Contemporary Drama in the U.S.**

Hours 3

How do theatre and performance enable or contribute to our ability to understand race and racism? How do contemporary Black theatre artists and playwrights intervene in, redefine, or celebrate notions of Black identity? What are the limits or risks of thinking about race through performance? Students in this course will explore these questions through reading and viewing U.S. American dramatic works from the last 30 years. This course will seek to understand performance and drama as important modes through which African American artists generate and transmit their experience, form community, produce political analysis, and shape the artistic and cultural fabric of the United States.

**WS365 Diversity, Equity, and Inclusion in US Society**

Hours 3

Students in this course study the development of policies that seek to build a more equitable society in the US. Providing a historical perspective on how social change has occurred in the society, the course also discusses how change has taken place in the last few decades. How have societal institutions changed how the issues of race and gender are addressed since the Civil Rights Movement? How do we apply concepts such as diversity, intersectionality, community, equity, and inclusion throughout US society? The course provides students with an understanding of why these concepts are important, and how social change occurs today.

**WS370 Gender, Sexuality, and the Law**

Hours 3

This course will provide students with an historic and cultural overview of the laws, policies, and politics of gender and sexuality in the United States. In this course, students will understand how law and public policy have had an impact on the lives of marginalized communities in the United States. This course examines how courts have interpreted laws and set policies regarding civil unions and same-sex marriage, privacy and reproductive rights, and discrimination based on gender and sexual orientation in the workplace.

**WS371 Race and Queer Desire**

Hours 3

This course will provide the framework to examine how the broad spectrum of queer sexualities are understood. We will investigate stereotypes about masculinity and femininity that govern narratives about race, gender, and sexual orientation. We will explore answers and interpretations to questions of what a "queer" identity is, how gender is constructed, how power operates on sexuality and race, and how the intersection of race and sexuality form a unique positionality for gays and lesbians of color.

**WS375 Freedom Beyond Rights**

Hours 3

Feminism understands itself to be fundamentally liberatory - that is, concerned with increasing liberty, particularly (but not exclusively) of women. Feminist political theory often treats freedom within a liberal framework that prioritizes individual rights: for example, the right to control one's reproductive health, the right to equal pay, or the right not to experience harassment. According to this framework, to be free is to enjoy one's rights without interference or limitation. The aim of this course is to think about freedom beyond rights. Specifically, we will consider what it means to be a free political actor, whether freedom is the highest political good, whether, and how, freedom is compatible with other values, such as equality and justice, and how different kinds of politics, social norms, and modes of living might affect attempts to increase and experience freedom.

**WS405 Feminist Theory 1600-1960s**

Hours 3

The history of political thought has long been equated with the history of men's political thought, with women excluded from the intellectual and public spheres. Yet it would be a grievous mistake to assume that women (including all who identify as such) were not actively engaged in debating issues of gender, sexuality, race, and class before the advent of modern feminism. Indeed, one of contemporary feminist scholars' greatest tasks has been to recover a long and rich history of ideas and texts written by and about women. This course utilizes primary materials and focuses on women's contributions to the history of political thought between 1400 and 1914.

**WS407 Contemporary Feminism**

Hours 3

Political theory has traditionally associated men with citizenship, public life, and affairs of state, while subordinating or ignoring women's interests, experiences, and voices. Feminist political theory challenges this imbalance, while also expanding the boundaries of what ought to be considered "political." Motivated by a concern for inequality in everyday life, feminist political theory seeks to provide a philosophical framework with which to address injustice, while also inquiring about the existential condition of those who identify as women, trans\*, or genderqueer. In so doing, feminist political theory pries open the category of "woman" to reveal its complexities, contradictions, and promise. Students will read influential works from contemporary feminist scholars who come from a variety of intellectual traditions and possess differing political commitments. These texts not only disrupt the historic exclusion of women from political theory but also the exclusionary tendencies in some early feminist writing. Topics may include justice, oppression, solidarity, the state, and neoliberalism.

**WS410 Essential Readings & Writings in Women's Studies**

W

Hours 3

This course explores texts and themes central to the interdisciplinary field of Women's and Gender Studies. Course texts may include theoretical, expository, autobiographical, and fictional writings from early feminism as well as contemporary selections. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**WS430 Contemporary Issues: Feminist Theory**

W

Hours 3

Through the study of key feminist political and theoretical texts on an issue central to contemporary feminism, students in this seminar will develop advanced undergraduate research skills and gain a substantial foundation for further study, including graduate work in this area. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): WS 200 or permission from the instructor.

Writing

**WS435 Black Feminism**

Hours 3

This upper level undergraduate and graduate course exposes students to the key figures, texts and concepts that constitute black feminist thought.

Prerequisite(s): AAST 201 or WS 200

**WS436 Gender and Black Masculinity**

Hours 3

This course will examine the socio-historical perceptions and constructions of Black masculinities in various regions and periods. Students will also examine the social, political, and economic conditions of Black male life in the contemporary period and interrogate representations of Black men and boys in U.S. culture and society in relation to the broader politics of race, class, gender, and sexuality in the post-civil rights era. Specific attention will be paid to the history of ideas and approaches that have shaped and defined our understanding of Black males. Students will be introduced to historical and socio-cultural circumstances that affect Black males and the diverse nature of Black culture. This course will also attempt to heighten awareness and sensitivity to the contemporary problems affecting Black males and thus help discover and evaluate social policies and programs geared towards Black males.

**WS440 Seminar in Women's Studies**

W

Hours 3

Courses under this rubric are designed to investigate a particular subject supplemental to regular course offerings. Students in this senior seminar will develop advanced undergraduate research skills and gain a substantial foundation for further study, including graduate work in this area. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): WS 200 or permission of the instructor.

Writing

**WS442 Writings in Women's Studies**

Hours 3

This course will provide students with a writing course in topics important to contemporary feminist theory. Among the topics will be a study of classical texts, such as *Antigone*, for gender politics, the development of student training in areas of feminist analysis from within the fields of natural science, political science, english, anthropology, rhetoric, art, economics, and American Studies. Demonstrated writing proficiency is a requirement for successful completion of the course. Students will complete at a minimum 5 short papers of from 1-3 pages each, essays derived from course readings and topical assignments, as well as a longer paper of from 7-10 pages. Instructor assessment of student writing and constant feedback is an important part of the course, and students will be asked to develop their own writing through in class assignments as well. Students will read a considerable amount of material in feminist analysis, comment upon this, and engage in classroom discussions on a regular basis.

Prerequisite(s): None

**WS445 Seminar in the Study of Gender and Sexuality**

Hours 3

Students will study the different approaches to the study of sexuality within the framework of the disciplines of Women's Studies and African American Studies. The focus is on understanding how gender and sexuality develop through intersectionality, contemporary popular culture, and/or through policy changes. International research in gender and sexuality studies is also a potential focus of the course.

**WS450 Independent Study in Women's Studies**

Hours 1-6

Independent study on any subject pertaining to Women's and Gender Studies conducted under the supervision of a professor in the chosen field.

Prerequisite(s): Permission of the supervisor and arrangement in advance of the semester in which enrollment is planned.

**WS460 Race, Gender, and the Artist**

W

Hours 3

Students in this writing seminar will develop advanced undergraduate research skills and gain a substantial foundation for further study. Demonstrated writing proficiency is a requirement for passing this course. This seminar will focus on how issues of gender and race emerge in and shape art and art practices across a range of media. Students will gain the tools to critically engage with a range of such work (including but not limited to visual art, TV, film, music, and theatre); to explore how artists have navigated race and gender and their intersections; and—as artists, audience members, fans, and critics—to develop their own feminist and anti-racist responses to art and popular culture. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**WS470 Gender, Race, and Class**

Hours 3

Emphasis is placed on theories and research on the intersectionality of gender, race, and class formations in various historical and geographical contexts. Students explore the interactions between forces of discrimination and domination and their manifestations in different sites, as well as the methods by which to defuse and work toward their elimination.

Prerequisite(s): WS 200 or permission of the instructor.

## Culverhouse College of Business Courses

**AC148 Introduction to the Accounting Major and Profession**

Hours 1

AC 148 is open to freshmen and sophomores interested in learning more about the accounting profession and the accounting curriculum in the Culverhouse School of Accountancy. This course will introduce basic terminology and methodology, the accounting curriculum, career and educational resources, and career options.

Prerequisite(s): GBA 145 or GBA 146

**AC184 Culverhouse LIFT Student Worker**

Hours 1-3

This course revolves around participation as a tutor and mentor in The LIFT (Learning Initiative and Financial Training) Program, teaching computer and financial skills to disadvantaged members of the community.

Prerequisite(s): CS 102, CS 285 and/or required computer training provided by LIFT program, or permission of the instructor.

Prerequisite(s) with concurrency: CS 102 and CS 285

**AC188 Culverhouse LIFT - Class Leader**

Hours 3

This course involves participation as a class leader and mentor in The LIFT (Learning Initiative and Financial Training) Program, supervising students and participants in classes involving teaching computer and financial skills to disadvantaged members of the community.

Prerequisite(s): Permission of the instructor

Prerequisite(s) with concurrency: CS102, CS285 and/or required computer training provided by LIFT program.



**AC189 Honors LIFT - Class Leader**

UH

Hours 3

This course covers the same material as AC 188 but in a depth appropriate for honors students. This course involves participation as a class leader and mentor in The LIFT (Learning Initiative and Financial Training) Program, supervising students and participants in classes involving teaching computer and financial skills to disadvantaged members of the community. Students may not take AC 189 if student has taken AC 184 and can only take AC 189 once.

Prerequisite(s): Permission of the instructor

Prerequisite(s) with concurrency: CS 102, CS 285 and/or required computer training provided by LIFT program.

University Honors

**AC210 Intro To Accounting**

Hours 4

Introduction to accounting and financial reporting concepts and the use of accounting information in financial and managerial decisions. Students who intend to major in accounting should take AC 289 or CS 285 before or concurrently with AC 210. Students are limited to three attempts for this course, excluding withdrawals. Students cannot receive credit for both AC 210 and AC 211.

Prerequisite(s): EC 110 or EC 112

**AC211 Honors Intro To Accounting**

UH

Hours 4

This course covers the same material as AC 210 but in a depth appropriate for honors students. Introduction to accounting and financial reporting concepts and the use of accounting information in financial and managerial decisions. Students who intend to major in accounting should take AC 289 or CS 285 before or concurrently with AC 210. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): EC 110 or EC 112

University Honors

**AC310 Financial Reporting & Analysis of Business Activities I**

Hours 3

Promotes technical competency in the accounting process and develops critical thinking, communication, and research skills involving accounting and other business information. By presenting accounting and business consulting issues and requiring the use of technology to solve a typical business entity's problems, this course exposes students to the professional environment of accounting practice. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**AC311 Financial Reporting & Analysis of Business Activities II**

Hours 3

Continuation of AC 310. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): AC 310

**AC334 Introduction to Fraud Risk Management**

Hours 3

This course provides a basic overview of fraud risk management in business, including the global fraud problem, fraud risk identification, assessment, prevention, detection, and follow-up.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 or permission of the instructor

**AC351 Managerial Accounting Decisions**

Hours 3

Study of managerial accounting concepts and their use in business decisions. Not open to accounting majors.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**AC352 Corporate Financial Reporting**

Hours 3

Study of financial accounting concepts and their use in analyzing and interpreting financial reports. Not open to accounting majors.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**AC361 Cost Analysis for Planning & Control**

Hours 3

A study of the theory and application of accounting for measuring the economic attributes of the firm's operations. The course examines the measurement, analysis, and interpretation of accounting information for planning and controlling a firm's business-related activities. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**AC371 Introduction To Taxation**

Hours 3

Introduction to tax policy, planning, practice, and research with an emphasis on income taxation. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**AC389 Accounting Information Systems - Development, Operation, and Control**

C

Hours 3

Introduction to the operation and development of accounting information systems, e-business applications, networking, and controls. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 285 and AC 310

Computer Science

**AC415 Current Issues in the Accounting Profession**

Hours 3

This course is for accounting students who are returning from a spring internship.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**AC432 Intro to Corporate Governance, Risk Assessment, and Assurance Services**

Hours 3

A risk-oriented study of standards, concepts, procedures, and professional ethics underlying governance and the practice of external and internal auditing and assurance services. The course will focus on mechanisms and activities that enhance the reliability of information for decision making. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): AC 311 and AC 389

**AC444 Financial Analysis for Investing**

Hours 3

Discussion of a common framework for the analysis of general purpose financial statement information. Includes discussions of the accounting process and availability of financial information, selected intermediate and advanced accounting concepts, required disclosures, modeling & valuation implications, and various analytical techniques available to the investment professional.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**AC456 Government & Nonprofit Accounting**

Hours 3

Special features of budgetary and fund accounting are applied to municipalities, other government units, and institutions such as schools and hospitals.

Prerequisite(s): AC 310

**AC471 Taxation of Business Transactions & Organizations**

Hours 3

Examination of the tax implications of business formations, transactions between the entity and the owners, reorganizations, and liquidations. The course develops tax research skills.

Prerequisite(s): AC 371

**AC491 Independent Study**

Hours 1-3

Accounting Independent Study. Students can apply a maximum of 3 credits of AC 491 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**AC492 Accounting Internship**

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. Students can apply a maximum of 3 credits of AC 492 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**AC497 Special Topics**

Hours 1-3

Special Topics in Accounting. Students can apply a maximum of 9 hours of AC 497 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**EC110 Principles of Microeconomics**

SB

Hours 3

Introduction to microeconomic analysis concentrating on consumer and producer behavior, competitive and imperfect markets, public policy and regulation, and income distribution.

Prerequisite(s): MATH 100 or MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; or UA Math Placement of 310 or higher, ACT Math subscore of 24 or higher, (New) SAT Math subscore of 580 or higher, (Old) SAT Math subscore of 560 or higher.

Social and Behavioral Sciences

**EC111 Principles of Macroeconomics**

SB

Hours 3

Introduction to macroeconomic analysis concentrating on national income, price levels, employment, monetary and fiscal policies, and international trade and development. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): EC 110 or EC 112

Social and Behavioral Sciences

**EC112 Honors Principles of Microeconomics***SB, UH*

Hours 3

This course covers the same material as EC 110 but in a depth appropriate for honors students. It is an introduction to microeconomic analysis concentrating on consumer behavior, producer behavior, and market structure. All topics will be explored in more detail than EC 110, using math and graphic tools, additional readings and creative discussion sessions. Students are limited to three attempts for this course, excluding withdrawals. Students cannot receive credit for both EC 110 and EC 112.

Prerequisite(s): MATH 100 or MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; or UA Math Placement of 310 or higher, ACT Math subscore of 24 or higher, (New) SAT Math subscore of 580 or higher, (Old) SAT Math subscore of 560 or higher.

Social and Behavioral Sciences, University Honors

**EC113 Honors Principles of Macroeconomics***SB, UH*

Hours 3

This course covers the same material as EC 111 but in a depth appropriate for honors students. Topics include national income, price levels, employment, monetary and fiscal policies, and international trade and development. All topics will be explored in more detail, using math and graphic tools, additional readings and creative discussion sessions. Students cannot receive credit for both EC 111 and EC 113. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): EC 110 or EC 112

Social and Behavioral Sciences, University Honors

**EC308 Intermediate Microeconomics**

Hours 3

Examination of the theory of price and the theory of resource allocation. Topics include demand theory, production and cost functions, pricing and output under competitive and noncompetitive conditions, resource markets, and rudiments of general equilibrium analysis. Students cannot receive credit for both EC 308 and EC 310.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**EC309 Intermediate Macroeconomics**

Hours 3

A study of the theoretical framework underlying income, employment, and growth analysis. Students cannot receive credit for both EC 309 and EC 311.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**EC310 Honors Intermediate Microeconomics***UH*

Hours 3

This course covers the same material as EC 308 but in a depth appropriate for honors students. It focuses on how economic agents make optimal decisions given scarce resources and technological constraints. Topics include consumer behavior, producer behavior, and market structure. Students cannot receive credit for both EC 308 and EC 310.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (LGS 200 or 201) and (AC 210 or AC 211) and ST 260

University Honors

**EC311 Honors Intermediate Macroeconomics***UH*

Hours 3

This course covers the same material as EC 309, which is a study of the theoretical framework underlying income, employment, and growth analysis, but in a depth appropriate for honors students. Students cannot receive credit for both EC 309 and EC 311.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (LGS 200 or 201) and (AC 210 or AC 211) and ST 260

University Honors

**EC400 Analysis of Economic Conditions at the Micro & Macro Levels**

Hours 3

Not open to majors in economics and finance. Uses basic economic theory to assess real-world business and economic conditions at the micro and macro levels. This course may not count toward the Economics major, but may count toward the Economics minor or specialization.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260; and FI 302

**EC410 Law And Economics***W*

Hours 3

This course will use the tools of economic analysis to analyze public policy issues and to explore the intersections between the law and economics. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): EC 308 or EC 310

Writing

**EC412 Industrial Organization**

Hours 3

Study of the various types of industry structure, conduct, and performance; business strategies; and policy alternatives. Emphasizes case studies from the major types of industry.

Prerequisite(s): EC 308 or EC 310

**EC413 Economic Forecasting & Analysis**

C

Hours 3

Survey of the analytical techniques used by economists to forecast the macro and micro levels of economic activity and the effects of public policy on the economy. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): (EC 308 or EC 310) and (EC 309 or EC 311)

Computer Science

**EC414 Behavioral Economics**

Hours 3

This course will introduce you to the field of behavioral economics – the economic study of human behavior in individual choices, social interactions, and markets motivated by the goal to improve the descriptive accuracy and explanatory power of traditional economic analysis. Students will explore behavioral economics from the perspective of different methodologies, focusing on fundamental concepts and their applications at different levels of social aggregation (e.g., individuals, groups, and markets).

Prerequisite(s): EC 308 or EC 310

**EC415 Sports Economics**

Hours 3

Course focuses on the application of economic theories to sports and the sports industry and understanding the behavior of economic agents in sports. Students who complete the course will gain insight into economics, understand how to apply economic models to explain observed behavior in sport, and appreciate empirical economic evidence generated from sports-related data.

Prerequisite(s): EC 308 or EC 310

**EC416 Monetary Theory & Policy**

Hours 3

Analysis of the role of money in the economy and the conduct of monetary policy. Emphasis is given to the money supply process, the demand for money, and the choice of monetary-policy strategies and procedures.

Prerequisite(s): EC308 (Grade of C- or better) or EC 310 (Grade of C- or better); and EC309 (Grade of C- or better) or EC 311 (Grade of C- or better)

**EC422 Urban Economics**

Hours 3

Analysis of the economics of community growth and the application of economic principles in solving problems and exploiting opportunities generated by the process of urban development.

Prerequisite(s): EC 308 (Grade of C- or better) or EC 310 (Grade of C- or better)

**EC423 Public Finance**

Hours 3

Study of the principles of taxation, government expenditures, borrowing, and fiscal administration.

Prerequisite(s): EC 308 or EC 310

**EC430 International Trade**

Hours 3

Analysis of theoretical principles underlying international trade, with application of these principles to recent developments and to current national policies.

Prerequisite(s): EC 308 or EC 310

**EC431 International Finance**

Hours 3

Introduction to the field of international finance. Course deals primarily with international financial markets and the macroeconomics of international financial flows. Topics include foreign exchange and international securities markets and international banking.

Prerequisite(s): EC 308 (Grade of C- or better) or EC 310 (Grade of C- or better); and EC309 (Grade of C- or better) or EC 311 (Grade of C- or better)

**EC432 Development Economics**

Hours 3

The course introduces students to the field of development economics. The course covers economic theory and empirical research about contemporary development efforts.

Prerequisite(s): EC 308 (Grade of C- or better) or EC 310 (Grade of C- or better)

**EC460 Labor Economics**

Hours 3

This course provides an overview of labor economics. Topics covered include labor supply, labor demand, human capital, minimum wages, immigration, and discrimination.

Prerequisite(s): EC 308 or EC 310

**EC470 Introduction to Mathematical Economics**

Hours 3

Application of selected mathematical methods to the analysis of economic problems.

Prerequisite(s): EC 308 or EC 310

**EC471 Econometrics**

Hours 3

This course emphasizes statistical methods for analyzing data used by social scientists. Topics include simple and multiple regression analyses and the various methods of detecting and correcting data problems such as autocorrelation and heteroscedasticity.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**EC472 Financial Econometrics**

Hours 3

In this course, we focus on the empirical techniques mostly used in the analysis of financial markets and how they are applied to actual data. We will begin with calculations and stylized facts of financial asset prices and returns. We next introduce statistical and econometric models to capture or reproduce these data features, mainly relying on time series models, estimations and tests. The first application is to apply these techniques to solve the practical financial issue of portfolio optimization. And then, we continue to time-varying asset returns to search for predictors of financial asset returns using CAPM model. To estimate the financial markets/assets fluctuations and the portfolio uncertainty, we start to learn conditional volatility models, including ARCH, GARCH, etc. Finally, from the perspective of risk management, we introduce the tools to estimate market risk of financial assets.

Prerequisite(s): EC 110 and EC 111; and EC 471 (Grade of C-or better) or EC 413 (Grade of C- or better)

**EC473 Games and Decisions**

Hours 3

An introduction to game theory with emphasis on application. Game theory is a toolbox for analyzing situations where decision makers influence one another.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**EC474 Experimental Economics**

Hours 3

This course introduces students to the field of experimental economics. The course covers methodological issues with designing and conducting experiments and interpreting the results.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**EC480 Economics of the Environment and Natural Resources**

Hours 3

Survey of the techniques used to estimate benefits of environmental improvements, and an analysis of public policy relating to the environment and use of natural resources.

Prerequisite(s): EC 308 or EC 310

**EC483 Health Care Economics**

Hours 3

An investigation of the microeconomics of the American health care delivery system. The course focuses on the demand for and supply of health care services and emphasizes the efficiency and equity characteristics of the system.

Prerequisite(s): EC 308 or EC 310

**EC491 Independent Study**

Hours 1-6

Students can apply a maximum of 6 credits of EC 491 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**EC492 Internship**

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. Students can apply a maximum of 3 credits of EC 492 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**EC497 Special Topics in Economics**

Hours 1-3

Students can apply a maximum of 9 credits of EC 497 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**FI301 Introduction to Financial Institutions and Markets**

Hours 3

Overview of the financial systems in which business operates, with emphasis on financial institutions, instruments, and markets.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**FI302 Business Finance**

Hours 3

Study of financial objectives of business enterprise, sources of capital, and financial management of business assets. Emphasis is on establishing a framework for making financing, investing, and dividend decisions. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): (AC 210 or AC 211) and (EC 111 or EC 113)

**FI317 Introduction to Value Investing**

Hours 3

This course will introduce the fundamental principles of value-based equity investing approach, which will serve as a foundation for examining several critical aspects of the investing process, namely identifying potential market inefficiency, fundamental business/industry research, financial statement analysis, and valuation. This course will provide students with a useful understanding of what a professional in any field requiring business-related research, analysis, and valuation skills does on a daily basis to analyze corporate strategies, understand industry dynamics, assess competitive advantages, and evaluate corporate management and strategy. Students will also be introduced to common methods to value securities.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**FI331 Principles of Real Estate**

Hours 3

Survey of various aspects of real estate business and economics, including marketing, finance, development, law, appraising, etc.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**FI360 Personal Asset Management**

Hours 3

To teach students about financial assets as vehicles for saving for the future. Students will also learn how to invest in a combination of assets to meet their objectives and how their objectives may change over their life span.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Prerequisite(s) with concurrency: FI 302

**FI389 Financial Analysis and Modeling**

C

Hours 3

Introduction to the components of computerized management information systems and applications of computer-based systems to business decisions. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260; and (FI 302 or CE 366)

Computer Science

**FI400 Financial Institutions, Markets, and Investment**

Hours 3

Builds on the foundation laid in the business core to extend the student's knowledge of basic finance into the areas of operation and management of financial institutions and financial markets and investments.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260; and FI 302

**FI410 Intermediate Financial Mgt**

Hours 3

Development of advanced practices of financial management and their application to decision making in the business firm.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260; and (FI 302 or CE 366)

**FI412 Money & Capital Markets**

Hours 3

An overall view of the financing process and the role of financial markets. Areas covered are characteristics of instruments traded in money and capital markets; determinants of and the relationships between different asset prices; and international aspects of financial markets.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260; and (FI 302 or CE 366)

**FI414 Investments**

Hours 3

Study of the various investment media together with analysis models of investment management. Emphasis is on investment decision making and portfolio analysis.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260; and (FI 302 or CE 366)

**FI415 Advanced Investment Topics**

Hours 3

Advanced models for investment management are developed and their application in decision making is discussed. Emphasis is on the use of models for portfolio selection.

Prerequisite(s): FI 414 (Grade of C- or better)

**FI416 Monetary Theory & Policy**

Hours 3

Analysis of the role of money in the economy and the conduct of monetary policy. Emphasis is given to the money supply process, the demand for money, and the choice of monetary-policy strategies and procedures.

Prerequisite(s): FI 301

**FI417 Value Investing: Principles and Practices**

Hours 3

Introduction to fundamental, research-based equity investing based on the core principles of value investing as developed by Benjamin Graham and practiced by Warren Buffett.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and FI 302

**FI418 Advanced Value Investing**

Hours 3

Advanced case-study based course focused on continued development of fundamental equity-investing skills, including idea generation, business/industry research, financial statement analysis and company valuation.

Prerequisite(s): FI 417 (Grade of C- or better)

**FI419 Financial Derivatives**

Hours 3

Addresses managing financial risks such as adverse stock price movements, adverse interest rate changes and adverse commodity price changes with specific attention given to employing futures, options and swap contracts.

Prerequisite(s): FI 302 and FI 414

Prerequisite(s) with concurrency: FI 302 and FI 414

**FI421 Bank Administration**

Hours 3

Survey of analytical methods in banking, including study of the powers of various government agencies. Emphasis is placed on managerial aspects of commercial banking.

Prerequisite(s): FI 301 and FI 302 or IE 203 or CE 366

**FI427 Probability for Actuaries**

Hours 3

The purpose is to assist students in preparation probability exams by actuarial associations. Concepts are reviewed with an emphasis on working problems.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Prerequisite(s) with concurrency: ST 454 (Grade of C- or better) or MATH 355 (Grade of C- or better)

**FI428 Financial Mathematics for Actuaries**

Hours 3

The purpose is to assist students in preparation for financial mathematics exams by actuarial associations. Concepts are reviewed with an emphasis on working problems.

Prerequisite(s): (MATH 126 or MATH 146) and (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Prerequisite(s) with concurrency: ST 455 (Grade of C- or better) or MATH 451 (Grade of C- or better)

**FI431 International Finance**

Hours 3

Introduction to the field of international finance. Course deals primarily with international financial markets and the macroeconomics of international financial flows. Topics include foreign exchange and international securities markets and international banking.

Prerequisite(s): EC 308 (Grade of C- or better) or EC 310 (Grade of C- or better); and EC309 (Grade of C- or better) or EC 311 (Grade of C- or better)

**FI432 Real Estate Appraisal**

Hours 3

Study of the sources of real estate value and techniques for estimating property value; study of effective use of appraisal information.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201)

Prerequisite(s) with concurrency: FI 331 (Grade of C- or better)

**FI434 Real Estate Management**

Hours 3

Study to the principles of real property management and covers all aspects of the property management process. Students are shown how to maximize the asset value of income-producing real estate for investors/owners through the use of finance, marketing, and management techniques.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Prerequisite(s) with concurrency: FI 331 (Grade of C- or better)

**FI435 Fundamentals of Risk Management & Insurance**

Hours 3

Introductory study of life insurance and "personal lines" of property insurance, especially homeowners insurance and auto insurance. Economic environment of insurance and how to read and evaluate insurance contracts. Examines different types of life insurance contracts as well as savings and investment alternatives and their uses in estate planning.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**FI436 Real Estate Finance and Investments**

Hours 3

Study of the institutions of real estate finance and of factors affecting the flow of funds; investment analysis and procedures involved in real estate financing.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Prerequisite(s) with concurrency: FI 331 (Grade of C- or better) or FI 341 (Grade of C- or better)

**FI440 Life Contingencies I**

Hours 3

This is the first of a two-course sequence intended to prepare students for the Long-Term Actuarial Mathematics (LTAM) exam, which is required for actuarial certification by the Society of Actuaries. Concepts are presented with an emphasis on working problems.

Prerequisite(s): MATH 355 or ST 454 and FI 427 and FI 428

**FI441 Life Contingencies II**

Hours 3

This is the second of a two-course sequence intended to prepare students for the Long-Term Actuarial Mathematics (LTAM) exam, which is required for actuarial certification by the Society of Actuaries. Concepts are presented with an emphasis on working problems.

Prerequisite(s): FI 440

**FI442 Business Risk Management**

Hours 3

Analysis of risks facing business and governmental entities. Various methods of both controlling the risks and financing the risks, including both insurance and non-insurance alternatives.

Prerequisite(s): (EC 110 or EC 112) and (EC 111 or EC 113) and FI 435 (Grade of C- or better) and FI 302 or CE 366

**FI443 Property Liability Insurance**

Hours 3

Current financial, legal, and social problems concerning the property-liability insurance industry. Role of government in providing insurance and topics in the management of property-liability insurance companies and agencies.

Prerequisite(s): (EC 110 or EC 112) and (EC 111 or EC 113) and FI 435 (Grade of C- or better) and (FI 302 or CE 366)

**FI444 Life & Health Insurance**

Hours 3

A study of the types of life insurance and annuity contracts and their uses; regulations of life and health insurers; Social Security; group and individual health insurance products including major medical, disability income and long-term care policies.

Prerequisite(s): (EC 110 or EC 112) and (EC 111 or EC 113) and FI 435 (Grade of C- or better) and FI 302 or CE 366

**FI450 Loss Models I**

Hours 3

This is the first of a two-course sequence intended to prepare students for the Short-Term Actuarial Mathematics (STAM) exam, which is required for actuarial certification by the Society of Actuaries. Concepts are presented with an emphasis on working problems.

Prerequisite(s): MATH 355 or ST 454 and FI 427

Prerequisite(s) with concurrency: MATH 451 or ST 455

**FI451 Loss Models II**

Hours 3

This is the second of a two-course sequence intended to prepare students for the Short-Term Actuarial Mathematics (STAM) exam, which is required for actuarial certification by the Society of Actuaries. Concepts are presented with an emphasis on working problems.

Prerequisite(s): FI 450

**FI460 Advanced Financial Planning**

Hours 3

The purpose of this course is to require the student to demonstrate the ability to integrate and apply his or her knowledge of financial planning topics as received through the curricula taught in the Wealth Management Concentration. Through this course, you will apply the financial planning process to real-life situations and to communicate your planning recommendations via both a written plan and an oral presentation.

Prerequisite(s): AC 371, FI 435 (Grade of C- or better), FI 360 (Grade of C- or better) and LGS 403

Prerequisite(s) with concurrency: FI 414 and FI 444

**FI472 Financial Econometrics**

Hours 3

In this course, we focus on the empirical techniques mostly used in the analysis of financial markets and how they are applied to actual data. We will begin with calculations and stylized facts of financial asset prices and returns. We next introduce statistical and econometric models to capture or reproduce these data features, mainly relying on time series models, estimations and tests. The first application is to apply these techniques to solve the practical financial issue of portfolio optimization. And then, we continue to time-varying asset returns to search for predictors of financial asset returns using CAPM model. To estimate the financial markets/assets fluctuations and the portfolio uncertainty, we start to learn conditional volatility models, including ARCH, GARCH, etc. Finally, from the perspective of risk management, we introduce the tools to estimate market risk of financial assets.

Prerequisite(s): EC 110 and EC 111, and EC 471 (Grade of C- or better) or EC 413 (Grade of C- or better)

**FI491 Independent Study**

Hours 1-6

Individually directed research and reading - Students can apply a maximum of 6 credits of FI 491 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**FI492 Internship**

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. Students can apply a maximum of 3 credits of FI 492 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**FI497 Special Topics In Finance**

Hours 1-3

Topics may vary - Students can apply a maximum of 9 credits of FI 497 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260



**GBA146 Professional Development Series I: Exploring Your Path**

Hours 1

This course is open to incoming Culverhouse College of Business freshmen and provides an introduction to the nature of higher education and professional development competencies. This course also provides an introduction to the functions, resources, and activities of the University of Alabama. This course is designed to help students make the transition to a large comprehensive research university, develop a better understanding of the learning process, acquire academic success skills, and adopt methods for being successful in college. The goal of this course is to equip each student with the basic skills necessary for degree attainment and provide an introduction to professional competencies for student development and career success. Students are limited to three attempts for this course, excluding withdrawals.

**GBA171 STEM Business Honors I***UH*

Hours 1.5

This course introduces STEM students to critical and innovative thinking as it pertains to the issues of today's business environment, while providing a modest introduction to basic economics and the global marketplace. The course begins to introduce business model design as a tool to better understand how businesses operate. In addition, the course will provide students with the opportunity to develop an appreciation and basic understanding of the importance of business skills in their STEM careers. It will also create opportunities to network with other students as well as other business faculty.

Prerequisite(s): Admission to the STEM Path to the MBA

University Honors

**GBA172 STEM Business Honors II***UH*

Hours 1.5

This course continues to build STEM students' critical and innovative thinking skills as they pertain to the issues of today's business environment, while providing a modest introduction to business ethics, business ownership structures, and entrepreneurship. The course continues to develop business model design as a tool to better understand how to operate. In addition, the course will provide students with the opportunity to work in teams with a goal of developing an appreciation and basic understanding of the importance of business skills in their STEM careers. It will also create opportunities to network with other students as well as other business faculty.

Prerequisite(s): Admission to the STEM Path to the MBA, GBA 171

University Honors

**GBA245 Professional Development in Business**

Hours 2

This course also provides an introduction to the functions, resources, and activities of The University of Alabama and an introduction to professional development topics. This course is designed to develop a better understanding of the learning process, acquire academic success skills, adopt methods for being successful in college, and provide an introduction to personal and professional development topics. The goal of this course is to equip each student with the basic skills necessary for degree attainment and provide an introduction to professional competencies for student development and career success. This course is a mandatory course for distance learning students and a required elective for transfer students.

**GBA246 Professional Development Series II: Choosing Your Path**

Hours 1

Building on the Freshman Compass course, this course will focus on choosing your path. Through this course, students will learn about professional interpersonal and team dynamics, how to work with others, self-awareness, professionalism, leadership skills. Through this course, students will learn how to choose their path through and after Culverhouse. Through the activities and topics in this course, students will continue to develop the professional competencies necessary for career success. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): GBA 145 or GBA 146

**GBA271 STEM Business Honors III***UH*

Hours 1.5

This course continues to build students' critical and innovative thinking skills as they pertain to the issues of today's business environment, while providing a modest introduction to management roles, teamwork, and productive systems. The course continues to develop business model design as a tool to better understand how businesses operate. In addition, the course will provide students with the opportunity to work in teams, with a goal of developing skills in their STEM careers. It will also create opportunities to network with other students as well as other business faculty.

Prerequisite(s): Admission to the STEM Path to the MBA, GBA 171, GBA 172

University Honors

**GBA272 STEM Business Honors IV***UH*

Hours 1.5

This course continues to build STEM students' critical and innovative thinking skills as they pertain to the issues of today's business environment, while providing a modest introduction to employee motivation, human resources management, and labor relations. The course continues to develop business model design as a tool to better understand how businesses operate, while introducing human centered design for designing business processes and products. In addition, the course will provide appreciation and basic understanding of the importance of business skills in their STEM careers. It will also create opportunities to network with other students as well as other business faculty.

Prerequisite(s): Admission to the STEM Path to the MBA, GBA 171, GBA 172, GBA 271

University Honors

**GBA292 CBA Lower Division Internship**

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. This course is intended for Culverhouse College of Business lower division students.

Prerequisite(s): (GBA 145 or GBA 146) and GBA 246

**GBA297 CBA Special Topics Lower Division**

Hours 1-6

This course offers faculty a chance to present topics of interest in the lower division to Culverhouse freshmen and sophomores.

**GBA300 Business Communications***W*

Hours 3

This course introduces students to the concepts central to effective and efficient writing in the workplace. Students will learn to analyze the rhetorical context that gives rise to common business genres (e.g., meeting minutes, email requests, executive summaries, internal proposals, etc.). Based on rhetorical analysis, students will be able to develop content and manipulate organization and style, as well as use standard grammar and mechanics. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104)

Writing

**GBA310 Introduction to Corporate America**

Hours 3

This course examines the concepts and principles of Corporate America. Students will research, study and present on the background and purpose of selected companies to understand their philosophy and practices in today's business community.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**GBA334 Introduction to Fraud Risk Management**

Hours 3

This course provides a basic overview of fraud risk management in business, including the global fraud problem, fraud risk identification, assessment, prevention, detection, and follow-up.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**GBA346 Professional Development Series III: Pursuing Your Path**

Hours 1

This course builds on the concepts from GBA 146, 245, and 246 and focuses on helping students pursue their path. The curriculum focuses on applying advanced professional development and leadership topics to cultivate a more prepared and well rounded student. This course focuses on the transition from the college environment to the workplace. Topics include: job negotiating process, resilience and grit (how to fail), strategies for communication, global engagement, and importance of a diverse workplace. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): GBA 246 or GBA 245

**GBA371 STEM Business Honors V***UH*

Hours 1.5

This course continues to build STEM students' critical and innovative thinking skills as they pertain to the issues of today's business environment, while providing a modest introduction to marketing, product and pricing issues, distribution and logistics, and customer communication. The course continues to develop business model design as a tool to better understand how businesses operate, and build an understanding of human centered design for designing business processes and products. In addition, the course will provide students with the opportunity to work in teams with a goal of developing an appreciation and basic understanding of the importance of business skills in their STEM careers. It will also create opportunities to network with other students as well as other business faculty.

Prerequisite(s): Admission to the STEM Path to the MBA, GBA 171, GBA 172, GBA 271, GBA 272

University Honors

**GBA372 STEM Business Honors VI**

UH

Hours 1.5

This course continues to build students' critical and innovative thinking skills as they pertain to the issues of today's business environment, while providing a modest introduction to financial information and accounting concepts, financial management, financial markets & investment strategies and the money supply and banking systems. The course continues to develop business model design as a tool to better understand how businesses operate, and build an understanding of human centered design for students with the opportunity to work in teams with a goal of developing an appreciation and basic understanding of the importance of business skills in their STEM careers. It will also create opportunities to network with other students as well as other business faculty.

Prerequisite(s): Admission to the STEM Path to the MBA, GBA 171, GBA 172, GBA 271, GBA 272, GBA 371

University Honors

**GBA471 Special Topics in STEM Business Honors**

UH

Hours 1-3

This course is for students participating in the STEM Path to the MBA. It provides students in that program with the opportunity to explore issues of special interest in technology and science businesses.

Prerequisite(s): GBA 371 and GBA 372

University Honors

**GBA481 Business Honors Program**

UH

Hours 2

Introduce students to contemporary business issues over a wide spectrum of firms and academic disciplines. Develop critical thinking and communications skills through a two semester client project.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

University Honors

**GBA490 Strategic Management**

W

Hours 3

Examination of the managerial tasks of crafting and implementing strategic plans and the tools of strategic analysis. Students gain hands-on experience with tools and concepts of strategic management by participating in a business strategy simulation exercise and by analyzing actual companies. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): (AC 210 or AC 211) and (EC 110 or EC 112) and (EC 111 or EC 113) and (LGS 200 or LGS 201) and ST 260 AND (MATH 121 OR MATH 125 or MATH 145)

Prerequisite(s) with concurrency: MGT 300 and MKT 300 and GBA 300 and OM 300 and FI 302

Writing

**GBA491 Independent Study**

Hours 1-3

The course offers students interested in general business the opportunity to study in a particular area of the field, under the guidance of an individual faculty member. Open to juniors and seniors with advice and permission of the appropriate instructor and the approval of program chairperson. Students can apply a maximum of 3 credits of GBA 491 toward their degree.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MGT 300

**HCAN360 Introduction to Health Systems**

Hours 3

Detailed study of components of the health care delivery system in the United States. The course emphasizes history, roles, and interactions of the various providers, consumers, and governments.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and EC 110 and EC 111 and AC 210 and LGS 200 and ST 260

Prerequisite(s) with concurrency: MGT 300

**HCAN361 Healthcare Data Structures**

Hours 3

This course aims to educate students on handling foundational analytic concepts and data structures germane to both privately own and government sponsored health care organizations.

Prerequisite(s): HCAN 360

Prerequisite(s) with concurrency: HCAN 362

**HCAN362 Health Information Systems**

Hours 3

Introduces students to healthcare databases and technologies. Key topics include the history and current status of information systems in healthcare, administrative and clinical applications, evidence-based medicine, information retrieval, decision support system, security and confidentiality, information system cycles, the electronic health record, key health information systems and standards, and medical devices.

Prerequisite(s): HCAN 360

Prerequisite(s) with concurrency: HCAN 361

**HCAN463 Healthcare Systems Improvement**

Hours 3

This course explores the application of business intelligence and the role of analytics in supporting a data-driven healthcare system using various technology platforms.

Prerequisite(s): HCAN 361 and HCAN 362

Prerequisite(s) with concurrency: HCAN 464

**HCAN464 Healthcare Data Mining**

Hours 3

This course provides an overview of the data mining process, data mining standards and output protocols, and common techniques used in mining healthcare data.

Prerequisite(s): HCAN 361 and HCAN 362

Prerequisite(s) with concurrency: HCAN 463

**HCAN465 Healthcare Analytics Project Course**

Hours 3

Integrates knowledge from previous healthcare courses and applies managerial and research skills to analyze data and related insights through working on practical issues with healthcare organizations.

Prerequisite(s): HCAN 463 and HCAN 464

**HCAN491 Independent Study**

Hours 1-3

The course offers students interested in health care management the opportunity to study in a particular area of the field, under the guidance of an individual faculty member. Open to juniors and seniors with advice and permission of the appropriate instructor and the approval of the program chairperson.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MGT 300

**HCAN492 Internship**

Hours 3

Supervised administrative work experience in the health care industry.

**IBA250 Context of Global Business**

Hours 3

Broad introduction to international business providing students with an overview of the terms and concepts key to a better understanding of the complex business environment across the world's interrelated economies.

Prerequisite(s): (EC 110 or EC 112) and (EC 111 or EC 113)

**IBA350 Introduction to World Business**

Hours 3

This course examines the conduct of business across national boundaries and the impact of different cultures on business practices.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**IBA351 Multinational Business Communication**

Hours 3

A study of the principles and practices of intercultural business communication, written and personal. The course requires substantial reading. The focus is on making students aware of the sources of common intercultural business communication problems, and on helping them develop strategies to avoid or correct these problems.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Prerequisite(s) with concurrency: IBA 350 (Grade of C- or better) or IBA 352 (Grade of C- or better)

**IBA352 Honors Introduction to World Business***UH*

Hours 3

This course covers the same material as IBA 350 but in a depth appropriate for honors students. This course examines the conduct of business across national boundaries and the impact of different cultures on business practices. Students cannot receive credit for both IBA 350 and IBA 352.

Prerequisite(s): (EN 101 or 120) and (EN 102 or 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

University Honors

**IBA455 Global Marketing**

Hours 3

A course in marketing theory and methods as they apply to world markets. Among the topics discussed are: the importance of linking international marketing with the overall strategy of the business while examining the impact of cultural, political and legal issues and the economic differences in global strategies. Emphasis is placed on developing the marketing mix appropriate to various international global environments.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**IBA460 Export/Import Management**

Hours 3

This course includes a thorough examination of the export-import management process and highlights its importance in international business strategy.

Prerequisite(s): IBA 350 (Grade of C- or better) or IBA 352 (Grade of C- or better)

**IBA492 Internship**

Hours 1-3

This course is designed to give students meaningful hands on global business experience (any major) by applying the knowledge and skills learned in course work to on the job assignments and responsibilities at the host organization. That is, this course is a field experience conducted abroad. 2.500 GPA required. Students can apply a maximum of 3 credits of IBA 492 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**IBA497 Special Topics: Independent Study**

Hours 3

This course offers faculty a chance to present topics of interest to themselves and to students with interests in international business. Students may apply a maximum of 9 credits of IBA 497 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**LGS200 Legal Environment of Business**

Hours 3

Environmental approach to the study of law, including the way the law interrelates, philosophy of law, and sources of law. The relationship among law, business, political influences, and the society is treated. Students are limited to three attempts for this course, excluding withdrawals.

**LGS201 Honors Legal Environment of Business***UH*

Hours 3

This course covers the same material as LGS 200, which studies environmental approach to the study of law, but in a depth appropriate for honors students. Topics include the way the law interrelates, philosophy of law, and sources of law. The relationship among law, business, political influences, and the society is treated. Students are limited to three attempts for this course, excluding withdrawals.

University Honors

**LGS403 Estates & Trusts**

Hours 3

This course treats principles and rules of law relating to wills and inheritances; how the estates of deceased persons are administered; why and how trusts are created and operated; and the duties and settlement of executors, administrators, and trustees.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**LGS407 Real & Personal Property**

Hours 3

This course is concerned with the conveyance of property, deeds, covenants, condemnation of property, rights of landlord and tenant, and bailments.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MGT286 Entrepreneurship, Creativity and Ideation**

Hours 3

Provide students with the skills necessary to apply business creativity in developing innovative solutions to problems in uncertain and dynamic business environments.

**MGT300 Organizational Theory & Behavior**

Hours 3

A course designed to help students understand organizational theory, interpersonal communication, and other behavioral science concepts and then integrate them into managerial tools for effective use in business, industry, and public-sector organizations. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): EC 110 or EC 112

**MGT301 Intro to Human Resources Management**

Hours 3

Introductory course surveying problems and issues in labor economics, personnel management, and labor relations. Emphasis is placed on public policies affecting management and union representatives and on the role of the human resources manager in the organization.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Prerequisite(s) with concurrency: MGT 300

**MGT310 Practicum in Management**

Hours 3

Students develop further knowledge, skills, and abilities in the functional areas of management introduced in MGT 300.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Prerequisite(s) with concurrency: MGT 300

**MGT320 Leadership and Ethics**

Hours 3

This course focuses on the interpersonal dynamics of managers, professionals, and entrepreneurs at work. Case analysis and simulation of problem solving and decision making are used to develop insight into human relations in organizations as well as to develop the personal and interpersonal skills needed in leadership roles. This course will emphasize ethical decision making particularly in challenging business environments.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MGT 300

**MGT341 Business Ethics**

Hours 3

Systematic examination of current issues and problems in the organization and management of business enterprises. The course combines readings, cases, and lectures that focus on the roles, activities, and ethical choices of managers as they direct organizations within the context of our contemporary society.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and (MGT 300 minimum grade of C-)

**MGT386 Foundations of Entrepreneurship**

Hours 3

Students take this class to learn the foundations of entrepreneurship, innovation, and growth. They learn what it takes to innovate and how entrepreneurial skills and mindsets make a positive difference in organizations of all types and sizes. Students will gain critical skills in learning how to identify and solve problems with new ideas as well as how to take the ideas forward as they learn from a series of experiences that help them build their skills to become lifelong problem solvers.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 AC 211) and (LGS 200 or LGS 201) and ST 260

**MGT387 Building Blocks of Entrepreneurship I: Moving from Ideas to Customer Validation**

Hours 3

This is one of two courses designed to provide students with the basic knowledge to move from problem/opportunity to prospective solutions and to market potential. In this course, the focus is on developing problem-solving skills by learning to recognize problems and opportunities and then using disciplined methods to develop solutions and evaluate the potential of those ideas. Students will identify and assess numerous opportunities, learning from interviews with potential customers and specialists. Viable ideas will then be researched to determine commercialization potential, with outcomes being clear descriptions of the product/service and the ultimate customer. Students will learn elements of design thinking, customer discovery, and entrepreneurial market research.

Prerequisite(s) with concurrency: MGT 386 (Grade of C- or better)

**MGT388 Building Blocks of Entrepreneurship II: Developing, Financing, and Growing New Ventures**

Hours 3

This is one of two classes designed to give students the core basic skills and knowledge needed to move from problem/ opportunity to idea to viable business. In this class students start with an idea (it can be their own) and then build a business or operations model for the potential business. The business model includes development of a prototype, project plan for going to market, development of the leadership team needed to start a business or new product launch and the cash requirements to implement the model. Students will learn about ways in which entrepreneurs raise money for their ventures and how to assure adequate cash flow to launch and grow the business. They also learn how others, including potential investors, will evaluate their business and assign a value to the firm.

Prerequisite(s): MGT 386 (Grade of C- or better)

Prerequisite(s) with concurrency: MGT 387 (Grade of C- or better)

**MGT406 Family Business Management**

Hours 3

MGT 406 will offer: 1) several perspectives on family business and 2) address the challenges and opportunities unique to the management of family businesses.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Prerequisite(s) with concurrency: MGT 386

**MGT412 Management Presentations**

Hours 3

Instruction and practice of information presentation in a business environment. Topics include conference room presentations, media briefings, team presentations, television interviews and audiovisual development.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MGT420 Organizational Change**

Hours 3

An investigation of structural, technological, humanistic, and task approaches to organizational change; the resistance to change; and the implementation of change in business and in private- and public-sector organizations.

Prerequisite(s): MGT 300 (Grade of C- or better) and MGT 301 (Grade of C- or better)

**MGT421 Corporate Entrepreneurship & Innovation**

Hours 3

This course uses a case analysis method to examine the development and implementation of managerial actions in modern organizations.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MGT 300

**MGT422 Leadership Communication**

Hours 3

Analysis of the role of communication in effective leadership for all management situations.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MGT423 Effective Negotiations**

Hours 3

Negotiations are pervasive in all aspects of life. Having the ability to effectively negotiate can provide you with a competitive advantage in many situations. This course will employ negotiations exercises, expert guest speakers and additional readings to help students master negotiation skills.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MGT431 Employee Recruitment, Selection, and Placement**

Hours 3

The main purpose of this course is to provide students with detailed knowledge of an organization's staffing function. The knowledge includes, but is not limited to, understanding how to conduct a job's analysis, how to write a job description and the specifications of that job, how to choose appropriate recruitment and selection methods, how to structure and execute valid job interviews, how to write job offer letters, and how to evaluate the overall effectiveness of an organization's staffing strategy and policies.

Prerequisite(s): MGT 301 (Grade of C- or better)

**MGT432 Employee Relations**

Hours 3

A critical examination of the factors that condition employee relations in both the private and public sectors.

Prerequisite(s): MGT 300 (Grade of C- or better) and MGT 301 (Grade of C- or better)

**MGT433 Compensation and Performance Management**

Hours 3

This course will enable students to identify the components of a total reward system, understand the major compensation system design issues, become familiar with the provisions of the FLSA, and understand the relationship between compensation and performance management.

Prerequisite(s): MGT 301 (Grade of C- or better)

**MGT434 Training and Development**

Hours 3

This course examines both the theory and practice of training and development in organizations. Topics covered will include organizational, task, and individual needs assessment, training design and implementation, and evaluation techniques. This course will draw upon research and theory from management, psychology, and other relevant domains. Application of the text/lecture materials will be reinforced through class exercises, group assignments, guest lectures, and presentations.

Prerequisite(s): MGT 300 (Grade of C- or better) and MGT 301 (Grade of C- or better)

**MGT437 Strategic Human Resource Management**

Hours 3

This course is designed to provide a broad, strategic overview of human resource management with practical applications. It will define and describe strategic HRM and identify the specific HR issues within organizational strategies, goals, and tasks. This class is designed to prepare students to sit for the SHRM college level certification exam.

Prerequisite(s): MGT 301 (Grade of C- or better)

Prerequisite(s) with concurrency: Three of the four HR concentration classes (MGT 431, MGT 432, MGT 433, MGT 434)

**MGT452 Project Management and Consulting**

Hours 3

Demonstrate communication effectiveness in a business context by completing team project for a client, using written, oral, visual, and interpersonal skills.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and EC 110 and EC 111 and AC 210 and LGS 200 and ST 260

**MGT456 Data Visualization**

Hours 3

This course is designed to teach students how to analyze data and communicate it visually with Tableau software.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and GBA 300

**MGT481 New Venture Finance**

Hours 3

Provide students with working knowledge of financing mechanisms such as venture capital, angel investments, and debt instruments for creating and operating a new venture.

Prerequisite(s): MGT 386 (Grade of C- or better)

Prerequisite(s) with concurrency: MGT 387 (Grade of C- or better)

**MGT482 New Venture Development**

Hours 3

This course provides an opportunity to develop a business plan for a new venture or for expansion of an existing company. Students are expected to acquire skills in evaluating business ventures; to learn alternative financing sources; to develop ideas for differentiating products; and to develop an understanding of what is required to harvest the profits of a growing business.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MGT 300

**MGT483 Technology Commercialization**

Hours 3

This course focuses on getting ideas, innovations, or discoveries into the marketplace in the form of products or services, or into the value chain at any step, to increase the competitive advantage of the enterprise.

The course offers an overview of the technology commercialization process. But more importantly, the course provides opportunities to assess technologies for commercialization. Indeed, the most useful description of the course is as a practicum in technology assessment. Throughout the course, students are engaged in technology assessment projects. This course links the activities of research and development, product and process design, technology transfer and marketing, new venture financing, technology entrepreneurship and intrapreneurship, protection of intellectual property, and management.

Prerequisite(s): MGT 386 (Grade of C- or better) and MKT 410 (Grade of C- or better)

Prerequisite(s) with concurrency: MGT 387 (Grade of C- or better), MGT 388 (Grade of C- or better), and MGT 481 (Grade of C- or better)

**MGT484 Small Business Management**

Hours 3

Detailed review of aspects of managing and growing a small business, including evaluating and purchasing a small businesses, managing banking relationships, hiring and managing small workforces, legal and regulatory constraints, government resources, common accounting software, and creative ways to market with little money. Students will also learn project management as it pertains to small businesses.

Prerequisite(s): MGT 386 (Grade of C- or better)

Prerequisite(s) with concurrency: MGT 387 (Grade of C- or better), MGT 388 (Grade of C- or better) and MGT 481 (Grade of C- or better)

**MGT486 Small Business Consulting**

Hours 3

This course is designed to offer education and training in the art of management consulting as it applies to smaller firms. The overall purpose of the course is the acquisition of knowledge and skills that will enable students to provide management advice to entrepreneurs and businesspersons to improve the performance of smaller organizations.

Prerequisite(s): MGT 386 (Grade of C- or better) and MGT 484 (Grade of C- or better)

**MGT488 Cyber Security Strategy**

Hours 3

Through this course, students are to receive a detailed review of aspects of managing and growing a cyber security strategy as part of a CSEC team within an enterprise. Students may also learn project management as it pertains to cyber security strategy. This is a case-based discussion course that involves assigned text material, live case analysis, and self-directed projects. In this case-based course, students will be introduced to the basics of cyber security strategy through real-world cases covering topics such as security governance, risk management, and cyber security policy formulation and implementation. Throughout this course, students will practice applying foundational concepts of cyber security strategy including: Creating security strategies that align with a company's goals and objectives and applying risk assessment and strategic decision-making techniques and to real-world situations to implement effective cyber security strategies.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MGT 300

**MGT491 Independent Study**

Hours 1-3

The course offers students interested in management the opportunity to study in a particular area of the field, under the guidance of an individual faculty member. Open to juniors and seniors with the advice and permission of the appropriate instructor and the approval of the program chairperson. Students can apply a maximum of 3 credits of MGT 491 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MGT 300

**MGT492 Internship In Human Resources Management**

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. Students can apply a maximum of 3 credits of MGT 492 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MGT 300

**MGT497 Special Topics**

Hours 3

Courses that offer the faculty a chance to present topics of interest to themselves and to management students. Students can apply a maximum of 9 credits of MGT 497 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260



**MIS200 Fundamentals of Management Information Systems**

Hours 3

Business process coordination and decision making through the use of information technology will be explored, emphasizing IT use by organizations in increasingly global markets. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s) with concurrency: MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146

**MIS221 Business Programming I**

C

Hours 3

This course is an introductory business-focused computer programming course. The course provides students the opportunity to learn analytical problem solving techniques, software development techniques and the syntax of the c# programming language to solve common business problems. Computing proficiency is required for a passing grade in this course. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): MATH 121 or MATH 125 or MATH 145 or MATH 126 or MATH 146 or MATH 227 or MATH 247

Computer Science

**MIS321 Business Programming II**

C

Hours 3

A second business programming course for students pursuing the Management Information Systems major. Computing proficiency is required for a passing grade in this course. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): MIS 221 and (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Computer Science

**MIS330 Database Administration**

Hours 3

Logical data modeling, RDBMS, and their use in the business enterprise are presented. Topics include anomalies/normalization, database-connections performance, n-tier architecture, query operations, stored processes and integrity triggers, and Web applications. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): MIS 221 and (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MIS340 Data Communication in a Global Environment**

Hours 3

Enabling international exchange of digital data to support business operations. Cultural, legal, security and operational requirements coupled with international standards evaluated in multiple network architectural configurations supporting transactional knowledge workers, e-business and e-commerce applications. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): MIS 221 and (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MIS405 Enterprise Networking and Security**

Hours 3

Data communications and networks; impact on business enterprises and issues pertaining to design and implementation. Security and operational requirements evaluated in multiple network architectural configurations.

Prerequisite(s): MIS 221 and (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MIS421 Enterprise Application Development**

Hours 3

The study and application of advanced software engineering, application patterns, and file structures. Students design, construct and test software structures for effective information management.

Prerequisite(s): MIS 321 and MIS 330

**MIS430 Systems Analysis & Design I**

Hours 3

Intermediate-level skills in systems analysis and design techniques are presented. Emphasis is placed on systems development and delivery tools, methods, standards, and processes. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): MIS 330 and MIS 321

**MIS431 Systems Analysis & Design II**

Hours 3

Advanced-level skills in systems analysis and design techniques are presented. Emphasis is placed on enterprise-level systems development, creation of tailored methodologies, creation of architectural standards, metrics, and business strategy alignment. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): MIS 430 and MIS 330

Prerequisite(s) with concurrency: MIS 451

**MIS440 Decision Support Systems**

Hours 3

This course assesses information and process requirements to support business decisions in organizations. Students conceptualize, design, develop, and deliver model-based information systems designed to support effective managerial decision making.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260; (MIS 200 or MIS 330) or Permission of Instructor

**MIS451 Systems Construction & Implementation II**

Hours 3

Development of advanced software engineering skills to develop, deploy, test, document, and assess large-scale IT-based business solutions. Conversion, migration, training, maintenance, and operations plans and budget are emphasized. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): MIS 430 and MIS 330

Prerequisite(s) with concurrency: MIS 431

**MIS460 Applied Cyber Security**

Hours 3

This course examines management issues and practical implications related to securing information systems. This course focuses on the Threat Environment, security Policy and Planning, Cryptography, Secure Networks, Access Control, Firewalls, Host Hardening, Application Security, Data Protection, Incident Response, and Networking and Review of TCP/IP. A clear theoretical understanding supports a large practical component where students learn to use contemporary security software to secure and assess information systems and network infrastructure using a hands-on approach.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MIS462 Behavioral Cyber Security**

Hours 3

This course is intended to provide students with a solid foundation of information security management, with an emphasis on its human element. As part of this understanding, we will explore how humans, as employees of an organization and consumers of organizational products and services, perceive threats to themselves, their digital assets, their privacy, and to their organizational affiliations. We also explore how these perceptions are operationalized in their behaviors as organizational insiders, serving to either undermine or facilitate security management practices.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MIS464 Organizational Security Management**

Hours 3

The course is intended to teach students how to develop and apply an information security management plan to an organization. Topics include governance and security policy, threat and vulnerability management, incident management, risk management, information leakage, crisis management and business continuity, compliance management, and security awareness and security implementation considerations. Students will also be exposed to the national and international policy and legal considerations related to cybersecurity and cyberspace such as privacy, intellectual property, and cybercrime.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MIS466 Introduction to Cybercrime and Digital Forensics**

Hours 3

This course introduces the topics of cybercrime and digital forensics. Students will learn different aspects of cybercrime and methods to uncover, protect and analyze digital evidence. They will learn different types of software and hardware tools and use them to perform rudimentary investigations. Cybercrime and digital forensics are increasingly important areas of study. Students will also gain an understanding of evidentiary law from the perspective of first responders. Tools are becoming more powerful and attacks more sophisticated. Consequently, there is a growing need for graduates with the skills to investigate these crimes.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MIS491 Independent Study**

Hours 1-3

Students can apply a maximum of 3 credits of MIS 491 toward their degree.

Prerequisite(s) with concurrency: (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MIS492 Internship**

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public-sector organizations. Students can apply a maximum of 3 credits of MIS 492 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MIS497 Special Topics**

Hours 1-3

Special topics in MIS. Students can apply a maximum of 9 credits of MIS 497 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**MKT300 Marketing**

Hours 3

A survey course that describes the nature of domestic and global marketing management. Emphasis is placed on market analysis to include consumer, industrial, institutional, and governmental markets for goods and services. Also emphasized are the marketing management functions of planning, pricing, promoting, and distributing goods and services in business and nonprofit contexts. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): EC 110 or EC 112

**MKT313 Consumer Behavior**

Hours 3

Analysis of the basic processes underlying buyer behavior. Various factors are examined, including external influences (e.g., culture, reference groups, family) and internal influences (e.g., perceptions, attitudes, personality). Primary emphasis is on final consumers with a secondary emphasis on the external and internal influences affecting organizational buyers.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT321 Retail Management**

Hours 3

Analysis of existing generalizations and principles related to the economic and social role of retailing; competitive strategies; efficiency in retailing; and essential concepts for retail management.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT337 Personal Selling**

Hours 1-3

Introduction to successful selling practices and principles through presentation, discussion, role playing, and workshops. Includes principles of prospecting, establishing rapport, generating curiosity, being persuasive, creating desire, handling objections, and closing.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Prerequisite(s) with concurrency: MKT 300

**MKT344 Promotional Management**

Hours 3

Intensive investigation underlying ideas, principles, and concepts that may be used to inform consumers of the availability and attributes of products and services. The course includes comprehensive overview of promotional and sales management activities and tactics.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT371 Site Selection Marketing Analysis**

Hours 3

This course is designed to introduce students to the study of business and consumer markets from a geographic or a spatial perspective. Geography plays a huge role in marketing, including location decisions for business, marketing strategies and promotional efforts. New data sources that combine marketing and geography are available that help businesses better understand their opportunities and threats. Developers, builders, franchisers, retailers and advertisers hire people with marketing geography skills. The field introduces students to a specialized set of techniques which combine the theories of economic geography with those of strategic and marketing management. Students will learn techniques which will make them much more marketable to businesses and other organizations which make location decisions and/or develop marketing strategies and spatially defined markets.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT376 Services Marketing**

Hours 3

To understand the basic concepts and principles surrounding services marketing and management including processes, people, and physical evidence.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT410 Managing Innovation**

Hours 3

Systematic examination of product policy and of the major concepts, methods, and strategies involved in decision making in the course of developing new products. Techniques and criteria used to identify and implement new products and services are examined in depth. Consideration is given to issues and strategies involved in the management of mature products.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT411 Supply Chain Management**

Hours 3

Supply chain management encompasses the design and administration of the systems of suppliers and distributors that collectively provide for the exchange of title, physical movement, and storage activities in marketing. The scale and complexity of supply chain relationships are escalating as firms strive to enhance interorganizational effectiveness and efficiency. This course examines the role of manufacturers and intermediaries in channel strategies and the scope, methods, problems, and opportunities of systemic supply chain coordination.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT422 Supply Chain Strategy**

Hours 3

Logistics is a system-based concept requiring the effective coordination of the flow of materials and goods from the point of origin to the end user. This course explores the key marketing tasks necessary to achieve an efficient logistics network: transportation, warehousing and materials handling, inventory management, forecasting, information and order processing, and simulation/modeling.

Prerequisite(s): MKT 300 and MKT 411

**MKT437 Advanced Selling**

Hours 3

The purpose of the course is to enhance communication and selling skills. Focus will be on the account management principles and the processes used to develop account and long term relationships with major accounts. Live selling situations will be used to practice skills.

Prerequisite(s): MKT 337 (Grade of C- or better)

**MKT438 Sales Management**

Hours 3

This course builds on the basic sales process taught in Personal Selling (MKT 337) by focusing on Account Management and Team Management. Through class discussion and an Account Plan project, students gain an understanding of customer partnerships, business management, and sales team development. The concept that sales managers must both implement and facilitate corporate marketing plans is pervasive through the course.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

Prerequisite(s) with concurrency: MKT 337 (Grade of C- or better)

**MKT439 Sales Strategy**

Hours 3

To understand and practice the science of managing customer lifecycles; including account sourcing, analysis, categorization, strategic planning, tactical development and implementation.

Prerequisite(s): MKT 337 (Grade of C- or better)

**MKT440 Digital and Social Media Marketing**

Hours 3

The course is designed to expose students to the strategies of digital and social media marketing. Topics include an understanding of the role of digital channels including a firm's website, social media channels, and mobile applications. In addition to the function of the channels, the course highlights tactics including search engine marketing, search engine optimization, content marketing, and online reputation management.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT473 Marketing Research**

Hours 3

Designed to prepare the student to be an informed, effective user of marketing research. Provides an overview of research techniques available for collecting information to answer specific research questions. Therefore, the orientation of the course is managerial.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT476 Services Management**

Hours 3

To understand and practice the science of managing services in terms of service processes, physical and technology elements, and people.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

Prerequisite(s) with concurrency: MKT 376 (Grade of C- or better)

**MKT477 Advanced Services Marketing**

Hours 3

To understand and practice the science of managing services in terms of service processes, physical and technology elements, and people.

Prerequisite(s): MKT 376 (Grade of C- or better) and MKT 476 (Grade of C- or better)

**MKT487 Strategic Marketing**

Hours 3

Analysis of marketing problems as they relate to the managerial functions of planning, organizing, and controlling marketing.

Prerequisite(s): MKT 313 (Grade of C- or better)

Prerequisite(s) with concurrency: MKT 473 (Grade of C- or better)

**MKT488 Marketing Field Study**

Hours 3

Working with a client firm, students apply (in a practical setting) the skills and knowledge they have acquired and build new skills in project management.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT489 Managing Customer Data**

Hours 3

This course begins by providing an overview of utilizing customer data in the strategic marketing process. Building from a foundation establishing the value associated with customer data, the course will dive into the customer and organizational risks of managing this type of data. Specific focus will be on examining the potential and pitfalls associated with data privacy practices.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT491 Independent Study**

Hours 1-3

Students can apply a maximum of 6 hours of MKT 491 toward their degree.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT492 Internship**

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. Students can apply a maximum of 3 credits of MKT 492 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**MKT493 Special Topics in Marketing**

Hours 3

Courses that offer the faculty a chance to present topics of interest to themselves and to marketing students.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and MKT 300

**OM300 Intro Operations Management**

C

Hours 3

This course is an introduction to the field of operations management and addresses the design and management of the activities and resources that a firm uses to produce and deliver its products or services. Topics include operations strategy, product and process design, total quality management, statistical quality control, supply chain management, location analysis, forecasting, inventory management, operations planning, and lean/JIT business processes. Computing proficiency is required for a passing grade in this course. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): ST 260

Computer Science

**OM305 Information Technology for Operations Management**

C

Hours 3

Introduction to the components of management information systems and applications of computer-based systems to business decisions using Microsoft Excel, SQL, and Python. Computing proficiency is required for a passing grade in this course. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

Computer Science

**OM310 Introduction to Management Science**

Hours 3

Concepts of management science and their application to decision making. Topics include linear programming, transportation models, integer programming, dynamic programming, queuing theory, decision theory, and network models. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): OM 300 and OM 305

**OM321 Prod Planning & Control**

Hours 3

The planning and control of production and service systems. Attention is given to forecasting, operations planning, scheduling, materials management, and operations control. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): OM 300 and OM 305

**OM375 Statistical Quality Control**

Hours 3

Statistical methods that can be used in control of quality in manufacturing or service industry. Topics include Shewhart control charts for variables and attributes; process capability analysis; acceptance sampling plans; design of experiments; total quality management; and six sigma principles. Emphasis is on understanding, design, implementation, and interpretation of these techniques. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or 201) and ST 260

**OM417 Logistics Management**

Hours 3

Logistics deals with the planning and control of material flows and related information in organizations. This course covers logistics systems planning, organization, and control of these activities with a special emphasis on quantitative aspects of the decisions.

Prerequisite(s): OM 300 and OM 321 or OM 310

**OM418 Principles of Global Transportation Management**

Hours 3

The course includes review of the key elements of transportation such as modes of transportation, transportation procurement, cost minimization techniques, international trade terms, and emerging techniques.

Prerequisite(s): OM 310

**OM420 Computer Simulation**

C

Hours 3

This course teaches the use of simulation as a tool to investigate complex problems, systems, and processes. Fundamental simulation concepts and statistical evaluation are covered through the analysis of existing simulation models and the development of new models. Model development and analysis will be performed using spreadsheet software and a commercially available process simulation software. The primary goal of this course is to help you develop a fundamental understanding of simulation modeling with regard to use, development, and analysis. Another important goal of this course is to develop a more disciplined and rational process in the way you approach management decisions. As a result of this course, you will become more confident in understanding and using simulation models to support management decisions. Computing proficiency is required for a passing grade in this course. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): OM 305 and OM 310 and OM 321 and OM 375

Computer Science

**OM421 Business Analytics for Operations**

C

Hours 3

This course aims to equip undergraduate business students with the fundamental concepts and tools for using data and analytics to solve operations management problems. Students use computer programming and software to manipulate data, conduct analyses, and develop models. This course also teaches Monte Carlo Simulation and Logistic Regression methods with applications on how these methods are used to address business problems. The ultimate learning outcome of this course is to learn how to develop a data-driven solution strategy for a complex business problem and use business analytics methods to generate actionable insights and recommendations to improve business operations or solve a particular problem. Students are limited to two attempts for this course, excluding withdrawals. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): OM 305 and OM 375 and OM 310 and OM 321

Computer Science

**OM422 Production Scheduling Problems**

Hours 3

A broad investigation into a variety of scheduling activities in a variety of environments. Topics include scheduling as applied to projects, job-shops, assembly lines, parallel machine systems, workforce, and transportation. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): OM 305 and OM 310 and OM 321 and OM 375

**OM423 Inventory Management**

Hours 3

The basics of inventory control techniques and the role of inventory management within an organization's overall supply chain. This course covers topics including inventory cost components, types and uses of inventory, the process of ordering, planning inventory levels, and metrics associated with inventory management. Students are limited to two attempts for this course, excluding withdrawals.

Prerequisite(s): OM 305 and OM 310 and OM 321 and OM 375

**OM427 Purchasing and Sourcing**

Hours 3

Course covers fundamental purchasing systems applications, supplier relations and evaluation, strategic planning in purchasing, purchasing techniques, value analysis and cost analysis.

Prerequisite(s): (EN 101 or EN 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or 112) and (EC 111 or 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and OM 300

**OM450 Process Management & Improvement**

Hours 3

An analytical study of strategies, tactics, and techniques for designing, evaluating and analyzing, controlling and improving processes. Emphasis is on topics such as Design for Flexibility, Lean, Six Sigma, Constraint Management will all be included along with process application of OM analytical tools such as simulation, queuing analysis, and value stream mapping.

Prerequisite(s): OM 321

**OM492 Internship In Operations Management**

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. Students can apply a maximum of 3 credits of OM 492 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**OM497 Special Topics**

Hours 1-3

Operations Management special topics course. Students can apply a maximum of 9 credits of OM 497 toward their degree.

Prerequisite(s) with concurrency: (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**ST260 Statistical Data Analysis**

C

Hours 3

Introduction to the use of basic statistical concepts in business applications. Topics include extensive graphing; descriptive statistics; measures of central tendency and variation; regression, including transformations for curvature; sampling techniques; designs; conditional probability; random variables; probability distributions; sampling distributions; confidence intervals; and statistical inference. Computer software applications are utilized extensively. Emphasis throughout the course is on interpretation. Computing proficiency is required for a passing grade in this course. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146

Prerequisite(s) with concurrency: MIS 200

Computer Science

**ST360 Intermediate Statistical Methods**

Hours 3

This course provides a more in-depth exploration of statistical techniques including a much more focused review of inference. Additionally, 6 nonparametric alternatives to common parametric tests will be introduced as well as sampling concepts and basic linear models.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) MIS 200 and ST 260

**ST440 Statistical Programming and Computing with R**

Hours 3

This course explores the syntax of the R language and its capabilities for statistical data analysis, computing, and graphics.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**ST445 Introduction to Statistical Learning and Data Mining**

Hours 3

This course offers an introduction to the field of statistical learning, an essential toolkit for making sense of vast and complex data sets.

Prerequisite(s): ST 452

**ST450 Statistical Methods in Research I**

Hours 3

Development of fundamental concepts of organizing, exploring, and summarizing data; probability; common probability distributions; sampling and sampling distributions; estimation and hypothesis testing for means, proportions, and variances using parametric and nonparametric procedures; power analysis; goodness of fit; contingency tables. Statistical software packages are used extensively to facilitate valid analysis and interpretation of results. Emphasis is on methods and on selecting proper statistical techniques for analyzing real situations.

**ST451 Statistical Methods in Research II**

Hours 3

Analysis of variance and design of experiments, including randomization, replication, and blocking; multiple comparisons; correlation; simple and multiple regression techniques, including variable selection, detection of outliers, and model diagnostics. Statistical software packages are used extensively to facilitate valid analysis and interpretation of results. Emphasis is on appropriate analysis of data in real situations.

Prerequisite(s): ST 450 or GES 255

**ST452 Applied Regression Analysis**

Hours 3

Data analysis using multiple linear regression, including residual plots, transformations, hypothesis tests, outlier diagnostics, analysis of covariance, variable selection techniques and co-linearity. Logistic regression uses similarly discussed for dealing with binary valued independent variables.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

**ST454 Mathematical Statistics I**

Hours 3

Distributions of random variables, moments of random variables, probability distributions, joint distributions, and change of variable techniques.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260 and (MATH 227 or MATH 247)

**ST455 Mathematical Statistics II**

Hours 3

Theory of order statistics, point estimation, interval estimation, and hypothesis testing.

Prerequisite(s): ST 454

**ST497 Special Topics**

Hours 1-3

Students can apply a maximum of 9 credits of ST 497 toward their degree.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

## College of Communication & Information Sciences Courses

### APR100 Professional Exploratory

Hours 1-3

The Professional Exploratory provides the student with one of the following, depending on qualifications: 1) an opportunity to shadow advertising or PR professionals in the workplace while being introduced to current practices and trends in the field or 2) an opportunity to gain practical experience (such as an internship) in the advertising or public relations field. Enrollment is by permission of the internship coordinator (or faculty sponsor) and the departmental chairman. In order to qualify for APR 100 as a shadow opportunity for one hour of credit on a Pass/Fail basis, the student must have an overall GPA of at least a 2.0 and be a declared advertising or PR major or minor. In order to qualify for APR 100 as a practical experience opportunity for one to three hours of credit on a Pass/Fail basis, the student must have an overall GPA of a 2.0 and have completed the foundation courses of the advertising or PR major or minor coursework. This course is repeatable for a six-hour-credit maximum.

### APR101 Creativity and American Culture

SB

Hours 3

A survey of the theoretical, procedural and ethical issues associated with creative thinking. Examines both individual and organizational strategies for promoting creativity, and the creative thinker's role in shaping the culture. Also highlights the intellectual connections between the scholarship in creativity and its practical applications.

Social and Behavioral Sciences

### APR221 Intro To Advertising

SB

Hours 3

A foundation course in advertising that includes historic and contemporary perspectives, advertising institutions and an overview of advertising theory, planning and practice. This course connects advertising strategies with an understanding of human behavior and key environments (i.e., social, economic, competitive, and regulatory) influencing consumer behavior. Key concepts and terminologies are covered, complemented by interactions with advertising faculty and industry professionals.

Social and Behavioral Sciences

### APR231 Intro Public Relations

SB

Hours 3

A foundation course in public relations that includes historic and contemporary perspectives, public relations institutions and an overview of public relations theory, planning and practice. Key concepts and terminologies are also covered, complemented by interaction with public relations faculty and industry professionals whenever possible.

Social and Behavioral Sciences

### APR241 Intro to Advertising and Public Relations

Hours 3

A foundation course in advertising & public relations that includes a comprehensive overview of historic and contemporary perspectives, advertising & public relations institutions, and advertising & public relations theory, planning and practice. Key concepts and terminologies are also covered, complemented by interaction with APR faculty and industry professionals whenever possible. The objectives of the course are to understand the following areas of advertising & public relations: the role of advertising & PR in an ethnically and diverse, global marketplace; research, planning, communication and evaluation; the strategies used in advertising & PR to achieve program objectives; the multimedia tactics required to implement advertising & PR programs in a digital environment; and the application of advertising & PR in the numerous venues of modern society, including corporations, agencies and nonprofit organizations. The course incorporates formal lectures, with guest speakers where appropriate.

### APR260 Software Applications I

Hours 1-3

Provides training in the Adobe Creative Suite (Photoshop, Illustrator, InDesign) as well as basic video editing and web development. Primary instruction is delivered online and administrated by an on-campus faculty member. This course is graded on a Pass/Fail basis.

Prerequisite(s): Must be a declared advertising or public relations major or minor.

### APR270 Strategic Thinking (AD)

Hours 3

A case-study-based course devoted to the development of critical and strategic thinking skills needed to plan and execute advertising campaigns and related projects, with an emphasis on the decision-making process in regard to difficult ethical, leadership and revenue based scenarios, among others. Also emphasizes using research to effectively assess performance and competently develop a strategic communication plan.

Prerequisite(s): APR 221, APR 260, JCM 103, and MC 101 All require at least C- or above.

### APR271 Strategic Thinking (PR)

Hours 3

A case-study-based course devoted to the development of critical and strategic thinking skills needed to plan and execute public relations campaigns and programs, with an emphasis on using research to effectively assess public relations situations and competently developing a strategic communication plan. Also emphasizes development of the critical thinking skills necessary to evaluate and critique strategic communication plans.

Prerequisite(s): APR 231, APR 260, JCM 103, and MC 101

### APR280 Intro to Audience Analysis

Hours 3

This course is designed to provide students with exposure to common primary and secondary research sources and tools used to draw meaningful conclusions about audiences. Students will learn how to critique, analyze and interpret data extracted from various sources in order to guide decision-making for programs and campaigns in advertising and public relations.

Prerequisite(s) with concurrency: CIS 260



**APR290 Intro to Channels and Messaging**

Hours 3

This course is designed to introduce students to the evolving landscape of paid, owned, earned and shared media channels available to advertising and public relations professionals, as well as how to develop persuasive, channel-specific messaging for various audiences.

**APR300 Basic Principles of Design**

Hours 3

Focuses on the basic elements of layout and principles of design and their application in advertising and public relations work.

Prerequisite(s): APR 260 or CIS 250; and APR 221 or APR 231 or APR 241

**APR301 Software Applications II**

Hours 1

Provides intermediate level training for aspiring art directors in the Adobe Creative Suite (Photoshop, Illustrator, InDesign) as well as video editing, web and mobile app development, and animation. Primary instruction is delivered online and administrated by an on-campus faculty member. This course is graded on a Pass/Fail basis.

Prerequisite(s): CIS 250 or APR 260

**APR302 Advertising Strategy**

W

Hours 3

A case-study-based course devoted to the development of critical and strategic thinking skills needed to plan and execute advertising campaigns and related projects, with an emphasis on the decision-making process. Also emphasizes using research to effectively assess performance and competently develop an advertising plan. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): EN 101; EN 102 or EN 103; JCM 103; APR 221 or APR 241; APR 280; APR 290

Writing

**APR303 Public Relations Strategy**

W

Hours 3

This course is a hybrid class featuring asynchronous lectures and weekly in-class discussion and workshop sessions. The course develops the strategic thinking skills needed to plan and execute world class public relations campaigns and features a range of case studies that demonstrate key course objectives. This course emphasizes using research to effectively assess public relations situations. In addition, the course emphasizes developing practical writing skills required in the communications industry. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): EN 101 and EN 102 or EN 103; JCM 103; APR 280; APR 290

Writing

**APR310 Concepting**

W

Hours 4

Rooted in the development of ideation skills and helping students to self-identify as either art directors or writers. Students acquire techniques and develop personal discipline inherent to the generation of novel, sophisticated creative work based on a solid concept: the distinctive, guiding idea that drives campaign messages. Assignments are evaluated in group critiques, and each student completes a final portfolio by semester's end. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): APR 221 or APR 241; CIS 250 or APR 260

Writing

**APR320 Creative Thinking**

Hours 3

Focused on the appreciation and development of creative thinking skills for those who will assume advertising roles other than those traditionally located within creative departments. Also intended to foster understanding of how media and managerial specialists can work most productively with creative teams.

Prerequisite(s): APR 221, APR 260, JCM 103, and MC 101. Admission to consumer specialization.

**APR322 Copywriting Seminar**

W

Hours 3

For aspiring writers, this course offers an intensive exploration of the craft across a variety of genres. Students gain an understanding of the power of words and the use of distinctive voices, with implications for strategic advertising copywriting. Students are also expected to research and write creative briefs. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): APR 310

Prerequisite(s) with concurrency: APR 410

Writing

**APR323 Art Direction Seminar**

Hours 3

For aspiring art directors, this course offers an in-depth examination of formal graphic design principles and their application in advertising via lectures, reading assignments and projects. Topics include color theory, typography, and layout as well as applied skills associated with an art director's daily work.

Prerequisite(s): APR 310

Prerequisite(s) with concurrency: APR 410

**APR325 Social and Digital Media**

Hours 3

This course is designed to develop a thorough understanding of digital and social media strategies and their application to all facets of various communication-based industries. Students will learn about how many areas of a business uses digital and social media to reach their target consumers. Students will also participate in practical and relevant projects within the digital and social media realm that will give them a better grasp of the material using real world and relevant examples. This course will be dedicated to exploring the basic fundamentals of utilizing social media accounts for business, such as content planning, brand voice, the importance of video, influencer and ambassador marketing, and social analytics. This course will introduce to practical knowledge and analytical skills necessary to create, evaluate, and execute social media and mobile/digital campaigns. This course will also provide lectures, iconic and current case studies using social media and mobile and engaged activities that will help students in developing a strong social media skill set to take to future job and/or internship interviews in the students respective field of study.

Prerequisite(s): APR 221 or APR 231 or APR 241

**APR332 Public Relations Writing**

W

Hours 3

Provides students with the practical writing knowledge and skills to research, plan and execute online and traditional public relations communications successfully. Students learn how to execute commonly used research-based communications that allow an organization to meet its strategic goals and reach target audiences. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 303, APR 280 and APR 303 or APR 271

Writing

**APR333 Digital Writing and Strategy**

W

Hours 3

This course is designed to provide students with skills and concepts to effectively create content across digital media platforms. Students will be introduced to frameworks and practices on content creation and strategy, along with tools on how to drive the development of future content through analytics. Emphasis will be placed on creating engaging content for target audiences that is written clearly and accurately. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): APR 325 and APR 303 or APR 271

Writing

**APR380 Independent Study**

Hours 1-9

Variable credit (1 to 9 hours). Analysis of advanced theoretical issues in commercial persuasive communication under the supervision of an advertising or public relations faculty member.

**APR381 APR Practicum**

Hours 1-3

Variable credit (1 to 3 hours). Supervised field experiences coupled with investigation of communication problems. Students may take a total of only 3 hours in internship and/or practicum courses.

Prerequisite(s): MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; and EC 110 or EC 112; and APR 221 or APR 231; and APR 260; and APR 322 or APR 422 or APR 332; and JCM 103 and MC 101

**APR385 Advertising Internship**

Hours 3

The course consists of approved work experience. Students may take one additional course when enrolled for internship credit. Grading of P/F is based on the employer's evaluation of the student's performance and on written reports submitted by the student. Students may take a total of only 3 hours in internship and/or practicum courses.

Prerequisite(s): MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; and EC 110 and APR 221 and APR 260; and APR 322 or APR 422; and JCM 103 and MC 101

**APR386 Public Relations Internship**

Hours 3

The course consists of approved work experience. Students may take one additional course when enrolled for internship credit. Grading of P/F is based on the employer's evaluation of the student's performance and on written reports by the student. Students may take a total of only 3 hours in internship and/or practicum courses.

Prerequisite(s): MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; and EC 110 and APR 231 and APR 260 and APR 300 and APR 332 and JCM 103 and JCM 303 and MC 101

**APR401 Software Applications III**

Hours 1

Provides advanced level training for aspiring art directors in the Adobe Creative Suite (Photoshop, Illustrator, InDesign) as well as video editing, web and mobile app development, and animation. Primary instruction is delivered online and administrated by an on-campus faculty member. This course is graded on a Pass/Fail basis.

Prerequisite(s): APR 301

Prerequisite(s) with concurrency: APR 411

**APR410 Portfolio I**

Hours 4

This workshop course is devoted to the development and execution of portfolio pieces reflecting the pursuit of sound strategic and conceptual thinking. All work is done by art director/writer teams and finished executions are produced as the process of portfolio building begins. This work is reviewed by a jury of creative professionals at an end-of-semester critique.

Prerequisite(s): APR 310

**APR411 Portfolio II**

Hours 4

This workshop course is devoted to the continued development and professional-level execution of a complete advertising portfolio reflecting mastery of strategic and conceptual thinking. Each creative team's work is both prepared and evaluated according to the highest industry standards and reviewed by a jury of creative professionals at an end-of-semester critique. Students are also advised regarding job search strategies and personal branding. This course may be repeated as a directed study with instructor permission.

Prerequisite(s): APR 410

**APR412 Portfolio III**

Hours 3

Students will work as part of a creative team in this workshop course to develop professional-level advertising campaigns for inclusion in their creative portfolios. They will create work to compete in a minimum of one national or international creative competition. The work completed in this class will reflect a mastery of strategic and conceptual thinking. Each creative team's work is prepared and evaluated according to the highest industry standards and reviewed by a jury of creative professionals at an end-of-semester critique. Students are also further advised regarding job search strategies and personal branding.

Prerequisite(s): APR 411

**APR415 Online Magazine Writing**

W

Hours 3

Further develops writing and editing skills that are crucial to successful public relations practice. Highlights some of the differences between writing for traditional print publications versus writing for emerging online communication channels. Students also research, plan, write, edit, produce and distribute a complete issue of Platform Magazine. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Permission of instructor; APR 280 and APR 332 or APR 422 or APR 410 or APR 333

Writing

**APR419 Concepting and Implementation**

Hours 3

Offers students the chance to implement plans for increasing awareness and/or executing fundraising efforts on behalf of nonprofit organizations. This service learning experience culminates in the production of multiple portfolio pieces for at least one real-world client.

Prerequisite(s): APR 260 or CIS 250; APR 300; and APR 332 or APR 333 or APR 422

**APR421 Account Planning**

Hours 3

This course prepares aspiring account planners to accept responsibilities unique to the practice, including, but not limited to: the writing of creative briefs, data analysis, new product development consultancy, maintenance of productive account team relationships, social anthropology-based research, foresight and media communication planning.

Prerequisite(s): APR 302 or APR 270 and APR 280

**APR422 Channel Planning**

Hours 3

A wide-ranging, strategically focused course intended to develop decision-making skills involving both traditional and non-traditional media as well as the use of other communication channels. Students execute a case study project that involves complex strategy and media buying.

Prerequisite(s): APR 280 and APR 302 or APR 303 or APR 270 or APR 271

**APR423 A+PR Management**

W

Hours 3

Examines the managerial role in both advertising and public relations practice. Key dimensions in communication management, including, but not limited to, professional and business ethics, business and financial literacy, media management, organizational culture and communication, and leadership are covered. A variety of teaching approaches—case studies, team projects, debates, simulations, student presentations, readings and lectures—are employed. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): APR 280 and APR 302 or APR 303 or APR 270 or APR 271

Writing

**APR424 Advertising Campaigns**

Hours 3

This experiential learning course affords students the opportunity to plan, execute and present a complete advertising campaign for a large regional, national or international client. Students, working in agency-style teams, apply both theoretical and practical knowledge acquired in their previous coursework.

Prerequisite(s): EC 110; APR 422 or APR 322 or APR 323; and APR 451 or APR 452 or APR 453 or MC 401

**APR425 Crisis and Emergency Management**

Hours 3

Explores the role of strategic and effective public relations practice in crisis management. Focuses on students learning the theory and practice of strategic crisis and emergency management and communication: how issues occur and develop in crises, their impacts on publics and society, and how they should be managed and communicated to publics. A variety of teaching/learning approaches—case studies, a team project, simulations, student presentations, readings and lectures, guest speakers—are used to enhance and increase student responsibility for learning.

Prerequisite(s): APR 280 and APR 302 or APR 303 or APR 270 or APR 271

**APR426 International Public Relations**

Hours 3

Explores the roles of public relations in different countries, in different contexts, and at the local, regional, national, and international levels. Covers current events, timely topics, and trends as they arise and as they are relevant to public relations, including how global technologies have created interconnections between and among corporate, activist, and nonprofit organizations and their stakeholder groups, forming networks of international communities without borders and accelerating the need for PR professionals who understand and can address cross-national and cross-cultural communications. Readings include academic scholarship in global public relations and public relations trade and business media sources around the world.

Prerequisite(s): APR 280 and APR 302 or APR 303 or APR 270 or APR 271

**APR427 Public Relations Leadership**

Hours 3

Public relations leaders represent vital human capital in organizations in today's dynamic, high-speed communications world. This course describes the process or journey of becoming a PR leader and explores leadership theories, key research findings, top issues in the profession, roles and responsibilities of leaders, and the development process. Students will gain self-insights and develop their own leadership capabilities and capacities through diverse readings, assignments and exercises during the semester.

Prerequisite(s): APR 280 and APR 302 or APR 303 or APR 270 or APR 271

**APR428 Nonprofit Communications**

Hours 3

This course is designed to introduce students to the theory and practice of communication strategies in nonprofit organizations.

Prerequisite(s): APR 302 or APR 303 or APR 270 or APR 271

**APR429 Sport, Publicity and Promotion**

Hours 3

This course is designed to develop a thorough understanding of sports marketing principles and their application to all facets of the sports industry. Students will learn about how marketing affects other areas of a business that uses sports to reach their target consumers. Students will understand marketing from the perspective of managing a marketing program and participate in one practical field project with a leading organization in the sports industry.

Prerequisite(s): APR 302 or APR 303 or APR 270 or APR 271

**APR430 Advanced Digital Marketing**

Hours 3

This workshop-style course is designed to provide students with the practical, theoretical and analytical knowledge and skills required to successfully develop, monitor, and execute digitally based and social media campaigns. Students will acquire a skill set based on the demands of current industry practice. This course is a combination of lectures and exercises where strategic thinking, attention to detail and creative problem solving are crucial.

Prerequisite(s): APR 333 or JCM 303

**APR432 Public Relations Management**

W

Hours 3

The course concentrates on public relations as an essential element in the effective management of any organization and examines the concepts, perspectives, and practices that apply to the management of communication programs directed to various audiences inside and outside the organization. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; and (EC 110 or EC 112) and APR 231 and APR 260 and APR 300 and APR 332 and JCM 103 and JCM 303 and MC 101

Writing

**APR433 Public Relations Campaigns**

Hours 3

This experiential learning course affords students the opportunity to plan, execute and present a complete public relations campaign for a local, regional, national or international client. Students, working in teams, apply both theoretical and practical knowledge acquired in their previous coursework.

Prerequisite(s): APR 332 or APR 333; and APR 451 or APR 452 or APR 453 or MC 401

**APR434 Twitch**

Hours 3

Content marketing has recently become one of the most popular and effective digital marketing strategies. And with the rise of video marketing, podcasting, and mobile design, content now takes many different forms. At the intersection of development, creativity, and marketing, content marketing is an art that requires an understanding of many different disciplines. In this class, students will get a crash course on the most common forms of content creation as well as the methods to drive website traffic and subsequent new business. Marketing principles such as inbound marketing, positioning, segmentation, social media marketing, and email marketing will also be discussed. This is an "agency" style class, where the students will be responsible for creating unique content on deadline for the University of Alabama Twitch channel. The class will be broken into fields of interest working to promote independently but delivering an overall branded message.

Prerequisite(s): MC 101

**APR435 Pitch, Please!**

Hours 3

This experiential learning course explores pitch strategies, board room presentation skills, and offers students opportunities to practice and gain confidence in speaking in front of small groups in a simulated business environment. The pitching concepts covered include pitching content related to advertising and public relations industry as well as pitching oneself during job searches.

Prerequisite(s): MC 101

**APR436 Viral Communication**

Hours 3

Have you ever wondered why some things become popular while others don't? This course explains fundamental ideas and factors related to how to make things more persuasive and viral. This course combines theory and practical application. In this course, students will learn how to make your ideas stick by examining the science behind making your ideas stick, increasing their influence, generating word of mouth and harnessing the power of social networks to get your products, ideas and services to catch on.

Prerequisite(s): MC 101

**APR437 Social Networks**

C

Hours 3

This course deals with the manner in which individuals in society engage in networked social interactions with one another. The topic is addressed from three perspectives: theoretical, practical, and methodological. On the theoretical side, students explore how social networks form, evolve, and disperse over time. From a practical standpoint, students examine how professionals across disciplines can leverage social networks to achieve their aims. And, in a methodological sense, students learn how those social networks can be analyzed and evaluated to serve academic and industry goals alike. Computing proficiency is required for a passing grade in this course.

Computer Science

**APR438 Emerging Technologies in A+PR**

Hours 3

This course addresses how cutting-edge and near-future technologies will shape professional and academic work in advertising and public relations in the coming years. This course takes a high-level managerial perspective on these topics, so rather than focusing on programming or other technical skills, students will explore the implications of these technologies, especially how they can be applied to real-world advertising and public relations work.

Prerequisite(s): MC 101

**APR439 Branding Principles & Practice**

Hours 3

This class will cover the principles used to brand various entities and the importance of strong imagery within these efforts. The class will incorporate case studies, a history of branded imagery and the use of imaging software such as Adobe Spark and Illustrator. Emphasis will be placed upon the importance of mass communication as a means to effectively brand an organization, product, person or service, the ability to develop images that will translate brand-appropriate characteristics and the presentation of ideas in written, visual and oral form.

Prerequisite(s): MC 101

**APR451 Business for Strategic Communicators**

Hours 3

This course examines strategic communication in a business context. Key dimensions in business, including accounting, finance, strategic decision making, corporate reputation, transformation and governance, as well as research and measurement are covered. A variety of teaching/ learning approaches—case studies, readings and lectures—are used to enhance understanding and increase student responsibility for learning. As in the real world, students will work under deadline pressures and against professional quality requirements.

Prerequisite(s): APR 302 or APR 303 or APR 270 or APR 271

**APR452 Ethics and Professionalism**

Hours 3

This course will teach students the roles of ethics and professionalism in contemporary advertising and public relations practice. The course explores steps toward professionalism in advertising and public relations practice, the roles of ethics in professional decision-making and contemporary ethical issues in advertising and public relations professions.

Prerequisite(s): APR 302 or APR 303 or APR 270 or APR 271

**APR453 Investigation and Insights**

Hours 3

This course is designed to provide students with advanced knowledge and skills necessary to plan and analyze secondary, qualitative and quantitative data to draw meaningful academic and/or industry conclusions, monitor and measure outcomes of communication efforts, and present and visualize data proficiently.

Prerequisite(s): APR 302 or APR 303 or APR 270 or APR 271

**APR454 Consumer Psychology**

Hours 3

A comprehensive study of behavioral models and concepts designed to help understand, evaluate, and predict consumer behavior. This course will deepen a student's knowledge about consumer psychology and help them apply the knowledge from the perspective of a advertising and public relations professional. This course stresses analytical thinking about consumer psychology and prediction of how advertising and public relations tactics may influence demand for products and services.

Prerequisite(s): APR 302 or APR 303 or APR 270 or APR 271

**APR455 Advanced Media Strategy**

Hours 3

This course is designed to mentor advertising and public relations students with an interest in media strategy to participate in the Washington Media Scholars Foundation (WMSF) competition. The WMSF Media Plan Case competition is a national, multi-round competition where student teams of 2 develop a media plan to address a case scenario based on real-world data. Teams compete for a portion of scholarship monies as well as an all expenses paid trip to Washington, DC in June to present their work.

Prerequisite(s): APR 422

**APR456 Media Relations**

Hours 3

This course is designed to provide students with the knowledge and skills to manage relationships with media gatekeepers in order to facilitate communication through their channels, including media selection, build relationships with gatekeepers, and interacting with the media through interviews and press conferences. Students will also learn how to track and analyze media coverage and sentiment using online tools.

Prerequisite(s): APR 332 or APR 333 or APR 422

**APR480 Readings In APR**

Hours 3

Required readings are determined in consultation with the faculty member overseeing the course.

**APR490 Special Topics**

Hours 3

Advanced seminars on topics related to the practice of advertising and public relations. Content will vary by semester.

Prerequisite(s): MC 101

**BA205 Introduction to Book Arts**

FA

Hours 3

This course will primarily focus on the history and appreciation of Book Arts traditions and contemporary practices, emphasizing the book as a form of cultural expression. Students will also receive exposure to hands-on technical instruction to understand the evolution of hand-bookmaking practices. Traditional papermaking, letterpress printing, and book binding techniques will be examined in relation to historic book production, modern hand-bookmaking practices, and artistic expression.

Fine Arts

**CIS100 Freshman Compass College of Communication**

FCMP

Hours 3

This course is designed for first-year majors in the College of Communication and Information Sciences. Students will learn about the various CIS majors, student resources and activities, advising, and career education.

Freshman Compass

**CIS200 Academic Resiliency**

Hours 1-3

This course is open to students in the College of Communication and Information Sciences (C&IS). The course is designed to aid students in their academic recovery, promote student success strategies, and assist with balancing academics and goals with challenges.

**CIS250 Introduction to Design Software**

C

Hours 3

This class is an active learning introductory skills course to the Adobe CC programs Photoshop, Illustrator and InDesign. Through this class, students will learn the primary skill set for applications used to make professionally designed posters, ads, brochures, newsletters and other documents prevalent in communication. Computing proficiency is required for a passing grade in this course.

Computer Science

**CIS260 Intro to Consumer and Media Research Resources**

C

Hours 3

Intro to Consumer and Media Research Resources is an introduction to the use of research by advertising and public relations professionals to help them make good decisions. The course has three primary modules – an introduction to basic research concepts and terms, initial hands-on experience with fundamental consumer and media research tools (Qualtrics, Simmons, Microsoft Office, etc.), and exposure to the concept of data storytelling. Computing proficiency is required for a passing grade in this course.

Computer Science

**CIS295 C&IS Special Topics**

Hours 1,3

Special topics in communication and information sciences. This course may be repeated up to six times for a total of six hours.

**CIS495 Studies in Communication & Information Sciences**

Hours 1-6

Course content will vary to explore issues in Communication & Information Sciences on an individual or group basis. Content may include timely special topics of importance in various college disciplines as well as independent reading, research, experiences, and/or discussion concerning relevant disciplinary issues and will be detailed in each individual section syllabus. May be repeated as necessary.

**COM100 Rhetoric And Society**

HU

Hours 3

The impact of public discourse on the ideas and issues of culture and history. Offered in the fall semester. HU designation for university core curriculum.

Humanities

**COM101 Principles Human Communication**

SB

Hours 3

General introduction to communication studies as a way of understanding how humans coordinate social meaning and achieve communicative goals. The focus is on identifying the foundation of human communication and the functions of communication in everyday situations. Offered in the spring semester. SB designation for university core curriculum.

Social and Behavioral Sciences

**COM104 Forensics**

Hours 1

per semester (may earn up to 6 hours toward COM major). The individual events program focuses on the preparation and presentation of various kinds of speeches and on the oral interpretation of literature. The debate program focuses on the research and practice of oral argument.

**COM121 Crit Decisn Makng Honors***HU, UH*

Hours 3

Introductory course in thinking critically for the purpose of participating in the process of public decision making and understanding how discussion, argumentation, and persuasion function as communication forms for that process. HU designation for university core curriculum.

Humanities, University Honors

**COM122 Critical Decision Making***HU*

Hours 3

Introductory course in thinking critically and speaking credibly for the purpose of participating in the process of public decision making and for responsible civic engagement. HU designation for university core curriculum.

Humanities

**COM123 Public Speaking***HU*

Hours 3

Theory and practice of basic principles of public speaking, with emphasis on the compositional and presentational aspects of communication in formal speaking situations. This course may be offered as a lecture course with a performance lab. HU designation for university core curriculum.

Humanities

**COM124 Honors Public Speaking***HU, UH*

Hours 3

This course is designed for students in the Honors College and is themed to emphasize a connection between leadership development and public speaking. Theory and practice of basic principles of public speaking are covered, while focusing on mastery of speech composition and performance in formal speaking situations.

Humanities, University Honors

**COM195 Special Topics for Freshmen**

Hours 1-3

Freshman exploratory-application of readings and discussion to specific activity. Topics may vary.

**COM210 Oral Interpretn Literatr***HU*

Hours 3

Beginning course in the oral interpretation of literature. The course covers principles and techniques of analyzing and presenting poetry, prose, and dramatic literature orally. HU designation for university core curriculum.

Humanities

**COM219 Honors Interpersonal Communication***SB, UH*

Hours 3

This course offers a focused investigation of interpersonal communication in the evolution in close relationships. Firmly rooted in communication research and theory, this course examines the overlapping influences of the self, perception, emotion, verbal and nonverbal messages, and listening. Furthermore, the course examines positive and problematic communication in various types of relationships (romantic, family, friend, and workplace) in a diverse society. Students will be challenged to learn through engaged discussions, reflective writing, and systematic application of course concepts and theories to everyday life.

Social and Behavioral Sciences, University Honors

**COM220 Interpersonal Communication***SB*

Hours 3

Study of verbal and nonverbal communication in the evolution of human relationships. SB designation for university core curriculum.

Social and Behavioral Sciences

**COM225 Small Group Communicatn**

Hours 3

Survey and application of basic group communication principles as related to task-oriented interpersonal, small-group, and large-group dynamics, within the context of complex organizations.

**COM250 Nonverbal Communication**

Hours 3

This course introduces the basic concepts related to the study of nonverbal communication and explores the application of nonverbal code information to specific communication contexts.

**COM270 Discourse of Sport: Theory and Practice**

Hours 3

Introduces students to the major concepts, theories, and methodological perspectives that Communication Studies scholars bring to the study of sport.

**COM295 Special Topics**

Hours 3

Reading and discussion in various areas of significance in communication studies. Topics will vary, but the course may be attempted only once.

**COM300 Human Communication Research***W*

Hours 3

Focus on how communication research can be used to answer practical questions related to human communication and the media. Emphasis is given to critical analysis and empirical research. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): COM 101

Writing

**COM301 Intro Rhetorical Theory**

Hours 3

Survey of the historical development of rhetorical theory from the classical period to the present.

Prerequisite(s): COM 100 or COM 123

**COM310 Rhetorical Criticism**

W

Hours 3

Survey of critical approaches to rhetorical analysis of discourse. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): COM 100

Writing

**COM320 Truth, Ethics, and Deception**

Hours 3

An introduction to the major concepts, theories, and issues related to deceptive communication in a variety of arenas, such as relationships, the law, and the media. Students will learn about flaws in research on deception, how effective studies can be conducted, and will develop an enhanced ability to detect deception in everyday life.

Prerequisite(s): COM 100 or COM 101 or COM 219 or COM 220

**COM323 Advanced Public Speaking**

Hours 3

Advanced exploration of principles and models of contemporary public address.

Prerequisite(s): COM 104 or COM 121 or COM 122 or COM 123 or COM 124

**COM330 Family Communication: Strategies & Patterns of Interaction**

Hours 3

This course examines communication strategies and patterns of interaction in intimate and enduring family relationships, including marital, sibling, parent-child, grandparent, and in-law relationships.

**COM340 Rhetoric & Popular Culture**

Hours 3

An investigation of rhetorical constructions of social identities through cases of popular culture. Emphasis is on how mediated constructions come to reflect and reify dimensions of race/ethnicity, gender, class, sexualities, education, religion, abilities, and other subject positions.

**COM341 Rhetoric & Amer Politics**

W

Hours 3

Introduction to the structures and functions of written, spoken, and electronically mass-mediated political discourse in contemporary society. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**COM342 Rhetoric Social Protest**

W

Hours 3

Study of social protest discourse and how it functions rhetorically. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**COM348 Argumentation**

Hours 3

Theory and practice of argumentation, applying basic principles to both oral and written discourse.

**COM349 Practicum In Forensics**

Hours 3

Practical experience in establishing and administering forensic programs, preparing students for competitive forensics events, rendering critical judgments, and conducting forensics tournaments.

**COM350 Organizational Communication**

Hours 3

Theoretical approach to the study of human communication in the organization context. Emphasis is on predominant organizational communication theories and communication networks, as well as dyadic, small group, and public communication processes.

**COM352 Business Prof Communication**

Hours 3

Junior or Senior Standing. Application of self-presentation and interaction concepts and skills to the transition from undergraduate studies to professional life, including resume preparation and presentation, interviewing, and interaction management in business and professional settings.

**COM366 Visual Culture & Communication**

Hours 3

Provides an introduction to the critical understanding of visual images and their uses in a variety of rhetorical actions that humans perform in persuasion, informing, governing, remembering and authorizing public life and culture.

**COM380 Influence**

W

Hours 3

This course explores contemporary theories of influence and their implications for communication practice. Topics include power and influence, logical theory, rhetorical theory, cognitive persuasion theory, framing theory, social influence theory, and socially mediated influence dissemination. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**COM395 Special Topics**

Hours 3

Reading, research, and discussion in areas of significance. Topics vary. May count as an elective in the major only once.



**COM413 Communication & Diversity***W*

Hours 3

Study and analysis of issues of diversity as they relate to groups in society and in communication fields. Emphasis is on the media's treatment of various groups in society. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. W designation for University core curriculum.

Prerequisite(s): COM 100 or COM 101

Writing

**COM415 African American Rhetoric***W*

Hours 3

A historical-critical investigation of African American public discourse from the Revolutionary era to the present, exploring rhetorical strategies for social change and building community. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): COM 100

Writing

**COM421 Political Communication**

Hours 3

This course examines the content, processes, and effects of communication within the American political system. The course emphasizes the foundational theories and concepts central to political communication, as well as the complicated relationship between politics and media.

Prerequisite(s): COM 100 or COM 101

**COM422 Communication and the Law**

Hours 3

This course introduces ancient rhetorical origins shared by communication and the practice of law and examines how contemporary communication theory informs the way legal systems work today. Students are given the opportunity to investigate a specific legal practice or phenomenon through the application of communication theory.

Prerequisite(s): COM 100 or COM 101

**COM423 Practicum in Public Speaking Training**

Hours 3

Practical experience in public speaking consulting, helping clients clarify and craft effective messages, facilitate the recording and immediate feedback to cultivate dynamic delivery, and develop strategies to calm public speaking anxiety.

Prerequisite(s): COM 123, completion of 60 or more university credits, and the approval of The Speaking Studio director.

**COM424 Communication & Forensics Pedagogy**

Hours 3

This class explores the relationship between forensics and academia, investigating the placement of competitive forensic activities within specific academic departments, the development of strong, competitive programs through responsible coaching, and the application of forensics experience beyond the competitive environment.

**COM425 Gender & Political Communication**

Hours 3

Study of the impact of gender on political communication activities. Topics include gender differences in political messages and voter orientation, masculine ideals of leadership, women's roles and advancement in the political sphere, and media representations.

Prerequisite(s): COM 100 or COM 101

**COM430 The Dark Side of Interpersonal Communication**

Hours 3

This course explores what happens in negative communicative interactions, including such "dark side" behaviors as secrets, deception, infidelity, narcissism, bullying, and relational violence, and what we can do to shield against them.

Prerequisite(s): COM 220 or COM 320

**COM436 Independent Study**

Hours 1-3

This course is designed to allow eligible students to pursue independent projects or research under the direction of a faculty member. Students will be required to make a formal presentation of their work, as necessary to earning academic credit. If eligible, students may secure permission for this type of work only once.

**COM440 Honors Seminar in Communication Studies***UH*

Hours 3

A seminar-style course designed for Honors College students to investigate issues in communication studies theory and research. Students who are majors are encouraged to produce original research and to share their work to professional or community audiences.

Prerequisite(s): COM 100 or COM 101

University Honors

**COM450 Adv Organization Communication***W*

Hours 3

Advanced course focusing on current trends and issues in organizational communication. Course content will center on a variety of topics designated important to the conceptualization and successful operation of organizations. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): COM 350

Writing

**COM455 Leadership & Strategic Communication**

Hours 3

This course focuses on the methodology and development of skills essential to leadership and strategic communication. It examines personal qualities that guide the most effective leaders and covers foundational principles of leadership communication.

**COM460 Group Leadership**

Hours 3

This course introduces several theoretical and applied leadership perspectives for developing effective communication in leading and working with diverse groups. The course is designed to help students critically examine how leadership theory and practice work across a multitude of organizational contexts. Students are exposed to contemporary professionals across various career sectors to examine how everyday leaders approach influencing individuals, groups and organizations.

**COM462 Theories Of Persuasion**

Hours 3

Critical review of social influence theories and practice in the area of persuasion and human action. Special emphasis is given to the application of the theories in interpersonal and organizational communication contexts.

**COM463 Relational Communication**

W

Hours 3

Focused investigation of communication in close personal relationships, with primary emphasis on contemporary concepts and theories of romantic relationships and friendships. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. W designation for university core curriculum.

Prerequisite(s): COM 219 or COM 220

Writing

**COM465 Intercultural Communication**

W

Hours 3

Survey and analysis of major concepts, theories, and research dealing with communication between people of different cultural backgrounds in multicultural and international settings. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): COM 100 or COM 101

Writing

**COM467 Seminar in Public Address**

Hours 3

A topical consideration of individual case studies from public discourse, designed to probe problems of the nature of the audience, the ethics of persuasion, and the power of public advocacy in mass society. Topics will vary, but the course may be attempted only once.

**COM468 Black Women's Stories**

Hours 3

This course will focus on defining the myriad representations of black womanhood and how the raced, gendered, classed and situated experiences of black women are communicated and translated through their stories and silences. This class looks at stories as theories about lived experiences and suggests black women (when speaking as/for/with black women) have unique communication practices connected to their shared oppressions.

Prerequisite(s): COM 100 or COM 101 or permission of instructor

**COM469 Communication & Gender**

Hours 3

Explores the role of communication in the construction of gender. Covers theories of gender construction, as well as the roles of gender and communication in various relational contexts. (This is an approved course for the minor in women's studies.)

**COM480 Propaganda**

Hours 3

This course explores contemporary theories and techniques of propaganda and their implications for communication practice.

Prerequisite(s): COM 100 or COM 101

**COM490 Field Exp. in Comm. Studies**

Hours 3

Supervised field experience in communication studies. Must meet departmental requirements for eligibility to be approved for this course.

Prerequisite(s): COM 100 or COM 101

**COM495 Special Topics**

Hours 3

Reading, research, and discussion in areas of significance. Topics vary. May count as an elective in the major only once.

Prerequisite(s): COM 100 or COM 101

**COM499 Capstone Seminar**

Hours 3

This course is for majors only. It gives advanced students an opportunity to integrate and synthesize knowledge, reflect on the value of the major, and apply coursework to career and life goals.

Prerequisite(s): COM 100 and COM 310; or COM 101 and COM 300

**JCM100 Introduction to Story**

SB

Hours 3

Introduction to story introduces students to narrative structure across a variety of media including film, television, news, documentary, and emerging media.

Social and Behavioral Sciences

**JCM102 Introduction to Media Content Creation**

Hours 3

An introductory course designed to familiarize students with the storytelling technologies that they may be required to utilize while pursuing a degree in Journalism & Creative Media.

**JCM103 Mechanics of Media Writing**

Hours 1

The logic of sentence and paragraph structure in the context of media writing, with an emphasis on grammar, punctuation, word choice, conciseness and accuracy. This online course is required for news media, creative media and advertising/public relations majors.

**JCM112 Motion Picture History and Criticism***FA, HU*

Hours 3

Development of the cinema, with emphasis on relation of technical advances to film content and style.

Fine Arts, Humanities

**JCM146 Introduction to Sports Communication**

Hours 3

This course serves as a foundation to the study and analysis of sports media and provides an overview of professional pathways.

**JCM180 Journalistic Principles and Practices**

Hours 3

This introductory survey course gives students a first look at the history and professional practices of journalism and electronic news by examining both legacy and contemporary media.

**JCM200 Foundations for Journalism Practices***HU*

Hours 3

JCM 200 is a survey of how the practices of journalism and news work in the context of a humanities course. Students should be able to deconstruct various stories in the news media to understand how economic, social, and ethical principles affect news reporting. In addition, the class covers the ethical and legal principles that guide journalists and the historical context in which the journalism evolved as a key player in democratic societies.

Humanities

**JCM201 Introduction to Media Production**

Hours 3

This course introduces students to the theories, concepts and techniques of professional video production and post-production, as well as the fundamentals, history and evolution of the visual language of the moving image. Topics include camera operation and technique, lighting design, sound recording, video editing, story development, and the ethical principles behind producing digital media. In this hands-on course, students will produce short video projects that emphasize visual storytelling, technical proficiency and creative authorship, while learning to critique their own and their peers work with a critical eye.

Prerequisite(s): JCM 100 and JCM 102

**JCM202 Introduction to Post Production***C*

Hours 3

This course introduces students to the theories and techniques of digital video and computer based post-production. Students will learn the ins and outs of the Adobe Premiere editing system, focusing on media management, efficient editing practices, sound and image manipulation, codec preferences and conversion, and exporting/uploading files to the web. This will primarily be a technical class, focusing on proficiency with the Adobe Premiere application, however the course also covers fundamental editing theory, the evolution of the medium and its impact on the editing craft, and key editing terminology and techniques. Projects will include both scripted and non-fiction material. Required reading will be accompanied by required viewing, in addition to practical editing assignments. Course instruction will only consider the Mac OS platform, however, the Adobe Premiere application is very similar for Windows PC's. This course assumes a basic working knowledge of the Mac OS, including how digital files are transferred and the basic language associated with using the Mac interface. Computing proficiency is required for a passing grade in this course.

Computer Science

**JCM212 Film and Media Theory**

Hours 3

Film and Media Theory introduces JCM students to a variety of critical cultural humanistic methods and approaches to evaluating film, television, and emerging media.

**JCM235 Social Media and Society***HU*

Hours 3

This course provides a deep dive into the platforms, structures, cultures, and practices of the social media era, and it emphasizes the processes and practices of news and creative media industries and audiences, including the values, ethics, and aesthetics of the contemporary media environment. Social media are ubiquitous in our everyday lives, but now, more than ever, it is important to think critically about the ways they shape our media use, social interactions, and perceptions of the world around us. The course is divided into three parts: media industries, social audiences, and cultural trends. In the first part of the course, we'll take a close look at the practices, values, and ethics of platforms and media professionals. In the second part of the course, we'll examine social media audiences, with an eye toward developing a critical understanding of the media environment around us. Finally, the third part of the course will bring you up to speed on some ongoing cultural trends involving social media.

Humanities

**JCM303 News Writing and Reporting**

W

Hours 3

This course introduces the skills required for basic news writing and reporting. The contents of this course are designed to help you learn how news stories are constructed and how the news industry operates. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 103 and (JCM 180 OR APR 231 or APR 241).

Writing

**JCM310 Telecommunication Programming**

W

Hours 3

Program planning, development and strategies for radio and television stations, networks, cable systems, and syndication. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 100

Writing

**JCM311 Critical Study of Television**

Hours 3

Critical analysis of television programs and commercials. Examples are presented for study and evaluation.

Prerequisite(s): JCM 112 or JCM 212

**JCM312 International Cinema**

Hours 3

Critical study of motion pictures produced throughout the world. Film screenings are a necessary part of this course.

Prerequisite(s): JCM 112 or JCM 212

**JCM315 Advanced News Writing and Reporting**

W

Hours 3

Advanced practice of newsgathering and news writing for specialized topic areas ranging from government, education to more soft news and human interest stories. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 303

Writing

**JCM318 Documentary Storytelling**

Hours 3

This course will help students reach a better understanding of the documentary by exploring its contemporary development, its many genres, and the journalistic and ethical questions that arise in documentary production. By studying this complex and often controversial form, students will become more knowledgeable as media consumers, and more thoughtful as producers of multimedia material.

Prerequisite(s): JCM 100 with a C- or higher

**JCM320 News Design and Visualization**

Hours 3

Visual journalism is the use of visual elements, rather than simple type, to present information and ideas. This course allows students to study and practice various forms of visual journalism including newspaper and magazine design, information graphics and photo editing. This course requires students to master the industry standard software used to create these products — Adobe InDesign, Photoshop, Lightroom and HTML — while thinking creatively and critically.

Prerequisite(s): JCM 327 and JCM 303 with a minimum grade of C-

**JCM323 News Editing and Multimedia Production**

Hours 3

This course covers the preparation of copy for publication across media platforms, with an emphasis on careful writing, accuracy and presentation. In this class, you will study and learn the art of connecting language with shared meaning in a news context. By the end of the course, you should have the skills necessary to land entry-level professional editing jobs and you should have gained a conceptual foundation that will serve you well in higher editing positions.

Prerequisite(s): JCM 327 and JCM 303 with a minimum of C-

**JCM324 Audience Analysis**

Hours 3

This course will familiarize students with the ways in which industry research professionals think about their work and about the opportunities and challenges they face as they assess audiences in our highly competitive, rapidly evolving, and increasingly complicated media environment.

Prerequisite(s): JCM 100

**JCM325 Sports Writing and Reporting**

W

Hours 3

In this course students will learn how to cover live sporting events, including writing game stories, covering press conferences and writing feature profiles. The course will operate much the same as a real-world newsroom. You will receive hands-on experience in news gathering, interviewing and writing for print and online media. You also will learn to brainstorm and pitch story ideas, which is an invaluable skill in today's media environment. The course is driven by deadlines. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 303 with minimum grade of C-

Writing

**JCM326 Television and Radio Performance**

Hours 3

A practical approach to techniques necessary for effective presentation on radio, television, and the internet; emphasizes copy interpretation, interview skills, and studio and field performance for microphone and camera.

Prerequisite(s): JCM 331

**JCM327 Visual Journalism**

Hours 3

Visual Journalism is a 3-credit-hour beginning course that will help students of all abilities learn about visual tools used in the gathering and distribution of news. This course will challenge students, intellectually and technically, regardless of the prior experience and skills each brings to class. No prior knowledge of visual reporting is required.

Prerequisite(s): JCM 180 or JCM 303

**JCM328 Sports Announcing**

Hours 3

Students will explore the principles and practice of broadcast sports announcing including play-by-play, analysis, and sideline reporting skills through examination, discussion, and execution. The class gives students a chance to put pre-production, background research and interview skills into practice by calling games for television and radio broadcasts.

Prerequisite(s): JCM 146, JCM 331

**JCM331 Introduction to Electronic Reporting**

Hours 3

Students will learn the terminology of the electronic reporting industry and will begin writing for broadcast. This course also covers basic equipment used in the newsroom and in the field.

Prerequisite(s): JCM 102 and MC 101

Prerequisite(s) with concurrency: JCM 303

**JCM333 Working for Television News**

Hours 3

The purpose of this class is to build electronic news skills. Students will build on skills such as writing for broadcast, shooting video, editing video and audio, on-air delivery, enterprising story ideas, finding different angles on stories, and how to evaluate the finished product. This course concentrates on broadcast news, emphasizing on-camera work and the various responsibilities involved in studio and remote production.

Prerequisite(s): JCM 331 with a minimum grade of C-

**JCM335 Audio Production**

Hours 3

This course focuses on voice, music, and sound effects, and the impact they have on the visual image. It addresses the principles of recording sound and explains sound characteristics, basic acoustics, ergonomics, and proper audio recording techniques for field and studio recording, as well as time code and mixing.

Prerequisite(s): JCM 201

**JCM340 Digital News**

Hours 3

This class will give students the skills they need to adjust to a variety of modern and emerging media. Students will produce media projects that build on the skills they already possess from previous classes. Students will prepare and present news and sports for various media outlets, including online and web formats.

Prerequisite(s): JCM 303 AND JCM 331 with minimum grade of C-

**JCM341 Intermediate Visual Journalism**

Hours 3

Intermediate Visual journalism will help students expand their photography skills and use them in the gathering and distribution of news. This course will challenge students who already have a basic working knowledge of the camera, intellectually and technically.

Prerequisite(s): JCM 327 and JCM 303 with a minimum of C-

**JCM346 Short Film Writing**

W

Hours 3

This course is designed to learn the elements of screenplay: structure, plot, character arc, subplot, inciting incident, climax, resolution, visual storytelling, dialogue, subtext, secondary characters. Writing will be critiqued and work-shopped by peers. It is imperative to read all work by peers, reading assignments and participate in discussion. This is a Writing course. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Rubrics will be available for each assignment.

Prerequisite(s): JCM 201

Writing

**JCM347 Television Film Writing**

Hours 3

This course is designed to teach students about the elements of screenplay for television: structure, plot, character arc, subplot, inciting incident, climax, resolution, visual storytelling, dialogue, subtext, secondary characters. Writing will be critiqued and work-shopped by peers.

Prerequisite(s): JCM 201

**JCM350 Advanced Videography**

Hours 3

This course equally emphasizes modes of visual storytelling and technical practices using digital video cameras and lighting techniques. This course will help students develop creative vision, sharpen aesthetic understand, and advance technical skills. The goal is to take an idea and learn how to bring them to the screen. This hands-on workshop will group students in production teams for working in in-class exercises and for filming outside of class meeting hours. It is a production & time intensive course.

Prerequisite(s): JCM 201

**JCM351 Videography for Digital Content**

Hours 3

This course is designed to help students understand the elements of narrative, essentials of production, working with crew, understanding set structure, mastering multiple cameras, grip and lighting equipment, visual storytelling in multiple genres and media.

Prerequisite(s): JCM 201

**JCM354 Producing**

Hours 3

Study of and practice in production techniques and skills used in organizing location shoots for television, film, documentaries, and commercials.

Prerequisite(s): JCM 201

**JCM356 Movie Marketing**

Hours 3

This class will present the various strategies and tactics used in marketing movies to consumers.

Prerequisite(s): JCM 100 or MC 101

**JCM372 Media Effects**

Hours 3

Study of individual and society effects of media, including the impact and influence on attitudes and culture beliefs.

Prerequisite(s): JCM 100 or MC 101

**JCM380 Independent Study**

Hours 1-3

Analysis of current issues and practices in news media and/or creative media under the supervision of a faculty member. May be repeated for credit provided the topics are different.

**JCM381 Digital Media Practicum**

Hours 1-3

JCM 381 offers students the opportunity to experience the professional work environment where skills and principles they have learned in the classroom setting are applied. The practicum for qualified undergraduates is conducted under the joint supervision of the Journalism and Creative Media Department and an appropriate organization. Many practicum-level experiences are available through organizations located on campus in the Digital Media Center.

Prerequisite(s): JCM 103 with a minimum grade of C-

**JCM382 News Media Internship**

Hours 1-6

JCM 382 offers students the opportunity to apply in a professional work environment the skills and principles they have learned in the classroom setting. The internship is a part-time or full-time job experience for qualified undergraduates conducted under the joint supervision of the Journalism and Creative Media Department and a profession media organization.

Prerequisite(s): JCM 303 with a minimum grade of C-, minimum of 45 overall earned hours

**JCM383 Creative Media Internship**

Hours 1-3

JCM 383 offers students the opportunity to apply in a professional work environment the skills and principles they have learned in the creative media classroom setting. The internship is a part-time or full-time job experience for qualified undergraduates conducted under the joint supervision of the Journalism and Creative Media Department and a profession media organization.

Prerequisite(s): JCM 201 with a minimum of C-, minimum of 45 overall earned hours

**JCM390 Media Sales in the Digital Age**

Hours 3

Understanding prospective clients' businesses; knowledge and application of audience research; application of the marketing model; understanding of effective media mix and advertiser buying influences; assessment of competitive advantages; and written presentations.

Prerequisite(s): JCM 100 or MC 101

**JCM411 Depth Reporting and Writing**

W

Hours 3

Reporting and writing longer news and feature stories for publication in print and online. Students learn advanced techniques in information gathering, story organization, non-fiction writing and multimedia elements. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 315 or JCM 325

Writing

**JCM412 Seminar in American Cinema**

W

Hours 3

Study of selected topics in United States film. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 212

Writing

**JCM413 Gender, Music, and Pop Culture**

W

Hours 3

This course uses a critical-cultural studies approach to analyzing gender and popular music in order to better examine gendered sites within music culture. It draws upon theories and methodologies associated with media studies, popular music criticism, sociology, musicology, sound studies, cultural studies, performance studies, fan studies, star studies, ethnography, literary analysis, women's and gender studies, critical race theory, and queer studies. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 212

Writing

**JCM414 Film Festivals and Independent Cinema**

Hours 3

Course examines film festivals as historical, cultural, and economic spaces. In seminars, students explore topics of art house/experimental/avant garde cinema and documentary.

Prerequisite(s): JCM 112 or JCM 212

**JCM418 Black Cult Media**

Hours 3

This course will help develop knowledge of the "cult film" as it has been understood and received historically and culturally. This course will provide strategies that mainstream understandings of cult film have constructed to exclude predominantly Black cast and Black themed films as well as their audience.

Prerequisite(s): JCM 100

**JCM425 Digital Sports Coverage**

Hours 3

The purpose of this class is to build on the sports skills that you should already possess. We will build on skills such as writing, shooting video, on-air delivery, enterprising story ideas, finding different angles on stories, and how to evaluate your work and your colleagues' work. Topics will include on-camera work and the various responsibilities involved in sports production. This course will also include discussion of current issues in broadcast sports, ethics, and professional career possibilities.

Prerequisite(s): JCM 325 and JCM 331

**JCM426 Advanced Design and Visualization**

Hours 3

This course focuses on editing, production and visual storytelling for print and digital media, including magazines and periodicals as an editorial standard. This class combines lectures, student presentations, in-class assignments/discussion and project work.

Prerequisite(s): JCM 327

**JCM428 Editorial Analysis and Opinion**

W

Hours 3

Study of the role of American news media in influencing public opinion through editorial/opinion writing and news analysis. Practice in persuasive writing and using evidence and research to craft an effective argument. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 315 or JCM 325

Writing

**JCM429 Food Writing and Reporting**

Hours 3

Conceptualizing, pitching, reporting, and writing food journalism. Students read and analyze examples of food news and feature articles. Students produce food-related content for digital and print publications.

Prerequisite(s): JCM 315 or JCM 325

**JCM431 Multicamera Production**

Hours 3

This course will introduce students to the (preproduction, production and postproduction) theories and techniques of multicamera productions. There will be a major emphasis on hands-on instruction in this class throughout the entire semester. In addition, this class will emphasize live directing theory and execution, and multicamera studio/field techniques. Students will learn the language, protocol, and aesthetics used to produce industry standard multicamera programs. This is a course that allows students to experience all aspects of multicamera video production with an emphasis on directing, technical directing and camera operation.

Prerequisite(s): JCM 201

**JCM432 Advanced Production**

Hours 3

This is an advanced production course focusing on television and film production. The students will serve as a production team responsible for the conceiving, shooting, editing and delivering of broadcast-ready content for television or film outlets.

Prerequisite(s): JCM 201

**JCM433 Advanced Post Production**

Hours 3

This course introduces students to advanced editing skills. Students will learn the functionality of the software, as well as discuss the proper way to approach getting material in and out of the system. Students will elevate their editing abilities with emphasis on techniques, understanding performance, pacing and visual story structure, integration of motion graphics and music, advanced project organization, and prepping a project for professional sound and picture finishing.

Prerequisite(s): JCM 202

**JCM435 Sports Documentary**

Hours 3

The course will give students a better understanding of the theory and practice of sports documentary production. Students will explore the contemporary development, its many genres, and the journalistic and ethical questions that arise in the production of sports documentaries. Students will also research and create mini-documentaries on sport-related topics.

Prerequisite(s): JCM 425 or JCM 351 or JCM 350

**JCM436 Teaching Multimedia News**

Hours 3

This course is designed to give students an overview of journalism and the process and pedagogy of instructing K-12 and college journalism classes.

**JCM437 Scene Directing**

Hours 3

Instruction in directing for television and film with an emphasis on directing actors, blocking for the camera, and narrative production techniques. Course includes the production of short fiction projects on digital video.

Prerequisite(s): JCM 201

**JCM438 Directing**

Hours 3

Directors and producers will work in a collaborative environment to create a short film to be put on the festival circuit. Directors will learn the elements of narrative, working with actors, visual storytelling, and collaborative communicative skills. Producers will work with the directors to secure funding, talent, location, crew, and equipment. Producers will learn to lead a production, budget for a short film, and lock picture in time for the festival circuit.

Prerequisite(s): JCM 437

**JCM441 Documentary Production**

Hours 3

Documentary production is an advanced level production class in which students create serious original video projects. This course guides students through the design, pre-production planning, production, postproduction and subsequent evaluation of individual and group documentary project(s). Instruction topics include contemporary visual storytelling, cinematic philosophies, ethical issues, research, funding, and distribution.

Prerequisite(s): JCM 318 and (JCM 350 or JCM 431)

**JCM442 Specialized Magazine Writing**

W

Hours 3

This course is designed to help students understand writing and editing of long-form articles for publication in print and online depth magazines. Students will learn advanced narrative non-fiction writing techniques and how to gather information for longer feature stories. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 315 or JCM 325

Writing

**JCM443 Science Journalism**

Hours 3

The course will provide students with hands-on experience writing about STEM — science, technology, engineering, and math. It will operate much the same as a real-world newsroom. Students will receive hands-on experience in news gathering, interviewing and writing for print and online media. Students will also will learn to brainstorm and pitch story ideas.

Prerequisite(s): JCM 315

**JCM444 Advanced Sports Writing & Reporting**

W

Hours 3

This course covers advanced techniques in reporting and writing for sports media. Students analyze published work, begin their own sports blog and write several articles, including two in-depth pieces. Several of the nation's most prominent sportswriters will join us either in person or via Skype to offer insight into what it takes to flourish in an increasingly competitive media landscape. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 325

Writing

**JCM445 Analysis of Sports Writing**

Hours 3

Students will analyze multiple pieces of longform, narrative journalism that have some connection to sports. This analysis will focus in large part on the finished story itself, but students will also look into the story's cultural context and the process through which it came in to the world.

Prerequisite(s): JCM 303 and JCM 325



**JCM448 News Analysis**

W

Hours 3

This course is designed to help you understand the issues pertinent to news, from its production, function, effects to external influences on news. We will look at what constitute news; who are the professionals producing news; who are the people consuming news; what factors affect production and consumption. We will also examine how news serves its audience and society and how news affects the social, economic and political processes. Finally we will examine how news can be manipulated and how news bias affects media credibility. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 100 or MC 101

Writing

**JCM450 Advanced Video Projects**

Hours 3

This course is designed as an upper level, advanced production course. Its emphasis is placed on utilizing and elevating previously learned technical skills, while students explore their cinematic voices through a conceptual and aesthetically focused narrative project. The course encourages creative risk taking within the pragmatic workflow of producing a short film.

Prerequisite(s): JCM 350

**JCM451 News Media Management**

Hours 3

Development of leadership skills for managing media organizations in the global environment. Students will analyze media industries and media data, review case studies and try to resolve media challenges. Students will gain a deeper understanding of the impact of a digitized media world.

Prerequisite(s): JCM 303

**JCM452 C&IS in LA Part I**

Hours 3

In this course students will learn about film, television, new media and industry through internships and required class activities in Los Angeles. We will network with professionals, attend industry events, film festivals, screenings and master classes, tour graduate film programs, visit working Hollywood studios, and network with many UA alumni. This course aims to help students gain insight in and preparation for careers in creative media industries.

Prerequisite(s): JCM 100

**JCM453 C&IS in LA Part II**

Hours 3

This course extends the learning goals of JCM 452: JCM IN LOS ANGELES INDUSTRY TOUR, where students continue to intern at a Los Angeles-based film, television or media company, and attend career enriching course activities including studio tours, networking events, and meetings with industry professionals.

Prerequisite(s): JCM 452

**JCM454 Advanced Producing**

Hours 3

Advanced study and practice in the skills needed for successful production management, including professional software. Emphasis placed on critical thinking, problem solving and team building.

Prerequisite(s): JCM 354

**JCM458 Entrepreneurial Journalism**

Hours 3

This foundational course teaches the culture, practices and ethics of entrepreneurship applied to new, journalism-related ventures, with the aim of helping to preserve quality journalism amid industry disruption and shrinkage.

Prerequisite(s): JCM 303

**JCM462 Motion Graphics**

Hours 3

This course introduces students to software in motion graphics creation platforms. Students will develop their creative abilities with emphasis on element creation, green screen technology, practical vs. digital effects, further developing an understanding of codecs, prepping a project for professional sound and picture finishing, and executing the final phases of post-production including output.

Prerequisite(s): JCM 202 or JCM 331

**JCM466 Feature Film Writing**

W

Hours 3

This course is designed to help students understand the elements of feature film writing in a 90-120 page format. Students will write a short film and expand the narrative into a feature. Students will do pre-writing such as character biographies, outlines, treatments, and look books to establish the overall vision of the feature script. Students will develop a writing process and will do extensive revision. Students will participate in workshops to critique peer work. All students will submit to the Holle Award for screenwriting. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): JCM 346 or JCM 347

Writing

**JCM467 Representational Ethics in Film and TV**

Hours 3

This course is designed to explore the varied ways that race and gender intersect with the media industry. Time spent in class will largely consist of deconstructing a number of media industries, including film, television and digitized video, to show just how race and gender operate within media industries.

Prerequisite(s): JCM 212

**JCM473 Documenting Justice Part I**

Hours 3

An interdisciplinary course focusing on documentary filmmaking. The aim of the class is to teach students how to use film to document and analyze the many dimensions of culture and social experience at issue when focusing on a story of justice or injustice in Alabama. The course involves study in documentary theory and history and the ethics of cinematic nonfiction.

**JCM474 Documenting Justice-Part II**

Hours 3

Documenting Justice is a specialized interdisciplinary course in documentary filmmaking. Harnessing a wide variety of perspectives drawn from disciplines across the humanities, the aim of the class is to teach students how to use film to document and analyze the many dimensions of culture and social experience at issue when focusing on a story of justice or injustice in Alabama. The course involves study in documentary theory and history and the ethics of cinematic nonfiction, culminating in the creation (in pairs) of an original film.

Prerequisite(s): JCM 100

**JCM475 Anatomy of a Trial I**

Hours 3

A specialized interdisciplinary service-learning course in narrative nonfiction. Focusing on a single story of injustice, the class collaborates to use film, audio and other media to create a rich, web-based narrative in its broader social and historical context.

Prerequisite(s): This course requires departmental approval.

**JCM476 Anatomy of a Trial-II**

Hours 3

An interdisciplinary course focusing on documentary filmmaking. The aim of the class is to teach students how to use film to document and analyze the many dimensions of culture and social experience at issue when focusing on a story of justice or injustice in Alabama. The course involves study in documentary theory and history and the ethics of cinematic nonfiction.

Prerequisite(s): JCM 475. This course is departmentally controlled.

**JCM477 Production House**

Hours 3

This course will support the production of video projects working with clients. Aimed at teaching student producers who have primarily produced content independently or as part of class projects, this course will show creative producers how to work "for hire" on projects with campus partners and community organizations who will serve as "clients." The course will engage students in commercial production where they must develop ideas and produce video projects for a client, develop ideas, pitch to clients, filming in studios and on location, and learn how to work through feedback notes from clients. The aim of this course is to help student understand how to develop projects working with campus partners, community organizations and act as producers, directors and crew to create work "for hire."

Prerequisite(s): JCM 201

**JCM478 Production House II**

Hours 3

The aim of this course is to advance understanding and technical skills in the scope of production for hire. Students work in production crews to develop projects for clients.

Prerequisite(s): JCM 477; Departmental permission.

**JCM480 International Media Production**

Hours 3

In this course students will learn the business practices as well as the editorial leadership roles associated with producing a magazine. The course will culminate by printing a student-produced magazine in which every student has played a role in the writing, reporting, and photographing of people and cultures in different countries.

Prerequisite(s): JCM 325 OR JCM 320 OR JCM 341 OR JCM 323 OR JCM 333

**JCM484 Sports Portfolio**

Hours 3

This course is the most advanced skills course in the University's sports media sequence. It draws heavily on the writing, journalistic, production, and performance skills learned in prior classes. Students will enhance their video, writing and editing skills to produce a high-quality sports-related product.

Prerequisite(s): MC 401 and (JCM 425 or JCM 445) and Senior Status

**JCM485 Community News in a Digital World**

Hours 3

Students adopt staff roles at Dateline Alabama, a news site showcasing the original work of journalism students at the University of Alabama. Students produce and publish original articles, photography, multimedia stories and other reportage. Through team-based coverage, students will shine light on the important events, issues and people of our communities: The University of Alabama, Tuscaloosa and the state of Alabama. Students will hone the skills they need to succeed as professional journalists, finishing the semester with the portfolios needed to land internships and jobs.

Prerequisite(s): JCM 303 and JCM 331

**JCM489 Making Media Innovation**

Hours 3

This course teaches a number of methods for testing news content to determine the effectiveness of that content. Students will learn when it is appropriate to use which methods, along with the limitations of each method, to create better information and storytelling for audiences and communities.

Prerequisite(s): JCM 331

**JCM490 Electronic News Producing**

Hours 3

This class provides a real world experience of how to produce news, weather, and sports content for a television station, network, or cable outlet. By producing daily newscasts, students gain extensive experience in writing for broadcast and producing content for various story forms. The emphasis is on the organization and analysis of newsworthy content as well as understanding how to work as a news team to put together a professional on-air product.

Prerequisite(s): JCM 333

**JCM491 Special Topics in Journalism and Creative Media**

Hours 1-3

Course content varies to explore current topics relevant to news media and creative media majors and minors. Repeatable for up to 6 credits if the topics are different.

Prerequisite(s): JCM 100 or MC 101

**JCM492 Media Professional Development**

Hours 3

This course supports the professional development of JCM media production (application track) majors interested on careers in film, television or broader media industry careers. This course helps to prepare graduates to enter the competitive and challenging landscape of the industry. The course engages students in industry research, career mapping, building resumes, drafting cover letters and exploring formats for portfolios. Students study industry hierarchy and structure, research companies, industry terminology, and learn how to plan successful paths from graduation to a career in the entertainment industry.

Prerequisite(s): JCM 212 or JCM 331

**JCM493 Ethics and Diversity in Media**

Hours 3

Examination of current issues and ethical practices in the field of journalism. Students complete a major research project on issues and ethics. This includes discussion of current events, of course, but through the prism of a systematic study of applied ethics. This class focuses on the "why" of journalism and creative media.

Prerequisite(s): JCM 212 or JCM 331

**JCM494 Global Media Systems**

Hours 3

The way media are produced and consumed by audiences is influenced by the different cultures, politics and economics of particular countries, by global economic systems, by political and economic relationships across countries, by growing "cosmopolitan" sameness, and by changing technologies. Students will explore these global trends, and how media systems work in particular countries and in particular industries. Comparisons of media across different cultural and political-economic contexts, media production techniques, and various norms and values of professional media workers will be discussed along with theories that explain why we such variety exists.

Prerequisite(s): JCM 212 or JCM 331

**JCM496 Issues and Ethics in Sports Journalism**

Hours 3

The purpose of this class is to examine the social, political, economic and historical significance of the intersection of sports, media and culture, with an emphasis on ethical decision-making.

Prerequisite(s): JCM 325 OR JCM 331

**JCM497 Business of Film and Video**

Hours 3

Students will explore and discuss project packaging, development labs, fundraising, budgeting, business plans, contracts, distribution platforms, self-distribution, and film festivals, among other topics. After completing this course, each student will have development and distribution strategies for a future and/or current project, as well as a solid foundational understanding of how to navigate the film and television industries.

Prerequisite(s): JCM 350 or JCM 351 and Senior Status

**JCM498 Digital Media Workshop**

Hours 3

In this workshop, we will experiment with different forms of digital media. Each student will produce three main projects using text, photos, video and other visuals, along with research.

Prerequisite(s): JCM 303 and JCM 331

**JCM499 Digital News Capstone**

Hours 3

This class will give students the skills they need to adjust to a variety of modern and emerging media. Students will produce media projects that build on the skills they already possess from previous classes. Students will prepare and present news and sports for various media outlets, including online and web formats.

Prerequisite(s): MC 401 and JCM 331 and Senior Status

**MC101 Intro To Mass Communic**

SB

Hours 3

Introduction to the fields of communication, including theory, law and regulation, history, social implications, and mass media operations.

Social and Behavioral Sciences

**MC401 Mass Comm Law & Regultn**

Hours 3

Study of laws and regulations affecting the mass media and the fields of mass communication. May be taken for graduate credit.

Prerequisite(s): MC 101 with minimum C-; 61 or more hours; GPA 2.0 or better

**MC407 Mass Communic Research**

Hours 3

Overview and application of the methods used in quantitative and qualitative mass communication research.

Prerequisite(s): MC 101

**MC409 History Mass Communictn**

W

Hours 3

Study of the historical development of mass communication. May be taken for graduate credit. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MC 101

Writing

**MC413 Mass Communication, Service & Diversity**

W

Hours 3

In this service-learning designated class, students study and analyze mass communication issues of diversity as they relate to groups in society. Students work with area partners on projects related to reaching diverse, mass audiences. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MC 101

Writing

**MC421 Political Communication**

W

Hours 3

The purpose of this course is to explore the general character and dimensions of the cross-disciplinary field of political communication. The principal aim is to familiarize each participant with the literature and propositions surrounding key approaches, methods, and substantive areas of inquiry in political communications. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MC 101

Writing

**MC425 Media Management**

W

Hours 3

The structure and function of media organizations. The decision-making processes inherent in running complex media businesses. Effective leadership styles. Traditional marketing perspectives applied to media. Laws and regulations that affect media management. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MC 101

Writing

**MC426 Race, Gender and Media**

Hours 3

This discussion-oriented class examines the mass media through the lenses of race, ethnicity and gender. The course helps future media practitioners be aware of their roles in creating content that reflects increasingly multicultural audiences. Using current, contemporary and classic media texts, students critically analyze media messages and understand the importance of a diverse workforce.

Prerequisite(s): MC 101 and 61 hours

**MC430 Video Games and Media**

Hours 3

This course provides a comprehensive overview of video game media as it pertains to students preparing for careers in the entertainment industry, news, creative media, computer programming and related careers. Video games are a globally relevant medium that entertain, educate, inform us; define and are defined by contemporary culture. The course will prepare students for developing projects that can be used as part of their professional portfolios as they prepare for their careers.

Prerequisite(s): MC 101

**MC431 Sports & Social Media**

Hours 3

This course will focus on the connections and engagement of social media within sports communication. This will include topics such as personal/professional branding, audience analytics, media campaigns and messaging.

Prerequisite(s): MC 101

**MC446 Contemporary Issues in Sports Media**

Hours 3

This course is designed to synthesize work in mass communication to be able to construct and critique arguments about modern sports media issues and controversies.

Prerequisite(s): MC 101

**MC495 Special Topics**

Hours 3

Special topics in mass communication theory and research. May be taken for graduate credit.

Prerequisite(s): MC 101

## College of Community Health Sciences Courses

**CHS220 Health Care in the United States**

Hours 3

This course provides an overview of health care organization and delivery in the U.S. The course will examine the foundations of the health care system, system resources, processes within the health care system, outcomes, and the future of health care delivery. Current issues in health care including cost of health care, health care quality, and access to care will be analyzed.

Prerequisite(s): None

**CHS230 Medical Shadowing**

Hours 2

This course can be taken by application only. This course will match each student with a physician at University Medical Center or one of our community partners. Students will shadow a physician for one half day per week throughout the semester. Students will gain firsthand knowledge of the practice of medicine in a primary care setting, have frequent opportunities to observe the physician-patient relationship, and explore medicine as a career path. Students will be directed to readings relevant to the patient care matters that they encounter and will document their observations via written reflections. Thirty-five (35) hours of shadowing are required over the course of the semester.

**CHS442 Practical Issues Behav Medicin**

W

Hours 3

Lectures and readings will examine behaviors that compromise overall health status (eg, tobacco use, noncompliance) and behavioral aspects of specific medical conditions (eg, heart disease, cancer, pain). Topics will include bioethics, racial/ethnic disparities and rural mental health issues. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**CHS450 Introduction to Fundamentals of Medicine I**

Hours 6

Introduction to Fundamentals of Medicine I is an interdisciplinary course that provides a foundation for understanding the molecular and biochemical basis of cellular processes and whole body physiology, and initiates an appreciation for their impairment during various human diseases.

Prerequisite(s): Admission to Rural Community Health Program and Approval by the Instructor

**CHS451 Introduction to Fundamentals of Medicine II**

Hours 6

Introduction to Fundamentals of Medicine II is an interdisciplinary course that provides a foundation basic pharmacology and cellular physiology. The basic principles of pharmacodynamics and pharmacokinetics will be followed by an introduction to autonomic nervous system pharmacology that will serve as a basis for understanding the pharmacologic treatment of diseases.

Prerequisite(s): Admission to Rural Community Health Program and Approval by the Instructor

**CHS497 Undergraduate Research**

Hours 1-4

This course provides students with exposure to the research process and the opportunity to conduct independent work on a research project under faculty supervision, in the areas of medicine, rural and population health, primary care and bioscience. Students may take 1-4 credit hours per semester. Students may earn up to 12 credit hours of this course across multiple semesters. It is expected that students' workload on the project will correspond to the number of credit hours. Specifically, it is expected that students work a minimum of 2.5 hours per week for every credit hour registered.

**POPH101 Emergency Medical Services I**

Hours 3

The Emergency Responder course prepares the EMR student to provide emergency prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMRs, anatomy and physiology, medical emergencies, trauma, and special considerations for working in the prehospital setting.

**POPH220 Introduction to Population Health**

Hours 3

An introductory course designed to teach learners to examine health issues from a population health perspective. Using real local and global health problems, students are introduced to evidence-based population health programs and policies that focus on closing the gap between science and practice.

**POPH235 Health Equity in Healthcare Research and Practice**

Hours 3

Empirical evidence demonstrates that structural inequalities and health disparities disproportionately affect historically marginalized populations in the United States. Increasingly, Public Health and medical organizations have called on healthcare professionals to recognize these inequalities and actively work toward social justice and health equity in our research and practice. The goal of this course will be to provide students with evidence-based knowledge and the tools to understand and address health inequities in their research and practice.

**POPH335 Population Reproductive Health**

SB

Hours 3

An introductory undergraduate level course designed to teach learners how to examine reproductive health issues from a population health perspective using a life course approach to investigate the challenges people face at different times in their lives such as family planning, services to prevent sexually transmitted diseases and early diagnosis and treatment of reproductive health illnesses, and access of essential health supplies such as contraceptives and medicines. The course content will emphasize the social, economic, environmental, behavioral, and political factors associated with reproductive health. Students will make connections between classroom knowledge and use problem solving skills to work with a community organization to update lesson plans and facilitate lessons to pregnant women and their partners during the semester.

Social and Behavioral Sciences

**POPH421 Health Policy & Planning**

W

Hours 3

The purpose of this course is to understand the role of health care providers, politics, government relations, and effective advocacy planning in the betterment of population health. Writing proficiency is required for a passing grade in this course.

Prerequisite(s): Acceptance as a Rural Medical Scholar or approval of professor is required for undergraduate enrollment.

Writing

**POPH422 Biostatistics**

Hours 3

Statistical methods and concepts particularly appropriate for biomedical research and health-related subjects.

**POPH423 Basic Epidemiology**

Hours 3

A basic course in epidemiology designed for students in health or related fields which points out the population-oriented approach to epidemiology and shows how the methodology can be used to develop knowledge of disease etiology with application to the entire spectrum of health service.

**RCH230 Medical Shadowing**

Hours 2

This course will match each student with a physician at University Medical Center or one of our community partners. Students will shadow a physician for one half day per week throughout the semester. Students will gain firsthand knowledge of the practice of medicine in a primary care setting, have frequent opportunities to observe the physician-patient relationship, and explore medicine as a career path. Students will be directed to readings relevant to the patient care matters that they encounter and will document their observations via written reflections. Thirty-five (35) hours of shadowing are required over the course of the semester.

**RCH400 Rural Envir/Occup Health**

Hours 3

Designed to help the student recognize environmental and occupational health hazards in the rural setting, the effects of exposure to these hazards, and preventive measures that should be taken to avoid them.

**RCH422 Community Clinical Process I**

Hours 3

A combination of scheduled sessions and fieldwork activities. The fieldwork will consist of visiting with an assigned rural advisor, completing a rural community assessment, and assisting with community health screenings and education programs.

**RCH423 Independent Study Community Medicine**

Hours 1-6

This independent study course is designed to allow students to pursue independent exploration of a particular field or topical area, under the guidance of an advisor. Material covered will be of an advanced nature aimed at providing students with an understanding of current developments within the field. Discussion and advisor guidance will be focused on issues related to rural healthcare, primary care, etc. to encourage a better understanding of the multifaceted role of a rural, primary care physician.

**RCH432 Community Clinical Process II**

Hours 3

A combination of scheduled sessions and fieldwork activities. The fieldwork will consist of visiting with an assigned rural advisor, completing a rural community assessment, and assisting with community health screenings and education programs.

## College of Education Courses

**BCE101 Freshman Compass: UA***FCMP*

Hours 2

This course for first-year UA students provides an introduction to the nature of higher education and to the function, resources, and activities of The University of Alabama. This course is designed to help students make the transition to a large comprehensive research university, develop a better understanding of the learning process, and acquire basic academic survival skills. The ultimate goal of the course is to equip each student with the confidence and basic skills necessary for degree attainment.

Freshman Compass

**BCE102 Freshman Compass: UA for Honors Students***UH*

Hours 2

This is a first-year freshman course that provides an introduction to the nature of higher education and to the educational experience at the University of Alabama. The course is designed to help students make the transition to a large comprehensive research university by helping them to understand the learning process in higher education and to acquire the basic academic skills they need to succeed. The ultimate goal of the course is to instill each student with the confidence and basic skills necessary for degree attainment.

University Honors

**BCE301 Introduction To Counseling**

Hours 3

A survey course featuring a comprehensive examination of the history, functions, and related issues for the practice of counseling in school, agency, and rehabilitation settings.

**BEF360 Social Psychol Foundtns Educ**

Hours 3

An examination of the foundations of education in a modern democratic society and the critical project of promoting social justice through schooling. Attention is also paid to how theories of human nature and the idea of the social good shape distinctive philosophies of education.

Prerequisite(s): PY 101 or PY 105, and HD 101

**BEF362 School, Culture, and Society**

Hours 3

An examination of the foundations of education in a modern democratic society and the critical project of promoting social justice through schooling. Attention is also paid to how theories of human nature and the social good shape distinctive philosophies of education.

**BEF483 Educational Policy and Reform**

Hours 3

This course introduces undergraduate students to U.S. educational policy and reform by focusing on the relation of the public school to the state, on principles of education, and on the possibilities for reform. Students will analyze contemporary policy debates and reform efforts in view of philosophical perspectives, policy histories, and empirical support.

**BEF484 Church, State and the American Public School**

Hours 3

A critical look at the role of religion in public schooling, the separation of church and state in American education and educational policies relevant to the church, state, and education.

**BEF485 Language, Politics, and Education**

Hours 3

This course provides students a broad overview of language policy and planning. Drawing on international case studies, students will identify different foci of language planning, including status, corpus, and acquisition planning, as well as the different linguistic and political views that inform policy.

**BEF486 Educational Policy Analysis**

Hours 3

This is the capstone course for the Educational Policy Studies undergraduate minor. The purpose of this course is to have the students create a small research project that reflects on their learning from previous courses in the Educational Policy Studies undergraduate minor.

Prerequisite(s): PSC 370, BEF 483, BEF 484, and BEF 485

**BEP110 Intro Learning Strateg Skills**

Hours 3

Provides students with a theoretical and practical understanding of the importance and use of specific learning strategies. This course will also engage students in reflective decision making and critical evaluation of their learning process.

**BEP220 Brain, Learning, and Cognition**

Hours 3

The purpose of this course is to provide students with a comprehensive overview of the behavioral and neuroscientific aspects of learning, memory, and cognition.

Prerequisite(s): PY 101

**BEP305 Educational Psychology**

Hours 3

Covers the psychological principles basic to an understanding of the learner, the learning process, and the learning situation.

Prerequisite(s): PY 101 or HD 101 or PY 105

**BEP310 Lab-based Research Practicum**

Hours 1-2

The goal of this course is to provide students with hands-on experiences in conducting educational neuroscience research.

Prerequisite(s): BEP 305

**BEP330 Computational Methods in Educational Neuroscience**

C

Hours 3

In this course, students will develop proficiency in the analysis skills needed to understand and manipulate neuroimaging data. Much of the focus will be on learning the fundamentals of MATLAB programming. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): BER 346 and BER 345

Computer Science

**BEP346 Experimental Methods in Educational Neuroscience**

Hours 3

This course provides a comprehensive overview of experimental design and methodologies within cognitive psychology and neuroscience, as well as exploring interdisciplinary methods within educational neuroscience. Students will learn the basics of experimental design, how to read research articles, communicate research to others, construct literature reviews and generate proposals.

**BEP360 Social Psychol Foundtns Educ**

Hours 3

An examination of the social, psychological, philosophical, and historical foundations of education in a modern democratic society. Critical attention is paid to contrasting theories of human nature, the learner and the learning process that, when combined with judgments about the purpose and conduct of life, have shaped pedagogy.

Prerequisite(s): PY 101 or HD 101 or PY 105

**BEP400 Topics in Ed Neuro: Numerical Cognition**

W

Hours 3

This course will provide a comprehensive overview of the different areas of research in numerical cognition research and how they have shaped our approaches to learning and teaching mathematics. The focus of the course is to provide students with an understanding of the neural, cognitive, and cultural factors that affect numerical cognition and its implications for k-12 math and science teaching and learning. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. The written assignments of this course require coherent, logical, and carefully edited prose that will demonstrate students' analysis and synthesis skills.

Prerequisite(s): BEP 350 and BER 345 and BEP 305

Writing

**BEP420 Topics in Educational Neuroscience: Scientific Thinking and Reasoning**

W

Hours 3

In this special topics course, students will develop a deeper understanding of how educational neuroscience research can inform science instruction and learning. Writing proficiency is required for a passing grade. A student who does not write with the skill normally required for an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. The written assignments of this course requires coherent, logical and carefully edited prose that will demonstrate students' analysis and synthesis skills.

Prerequisite(s): BEP 305

Writing

**BEP450 Topics in Ed Neuro: Moral Psychology & Ethical Development**

W

Hours 3

What is morality? Would we all make the same decision in a moral dilemma? This course aims to help students answer these questions by providing an overview of the psychology of morality with a focus on the processes leading to moral action. Writing proficiency is required for a passing grade in this course. A student who does not write with the skills normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. The written assignments of this course requires coherent, logical and carefully edited prose that will demonstrate students' analysis and synthesis skills.

Prerequisite(s): BER 305

Writing

**BEP460 Language, Reading and the Brain**

W

Hours 3

This course will focus on the varied neuroimaging methodologies used by our Educational Neuroscience faculty. Faculty will present a different methodology in each iteration of the course; these methodologies include: EEG, NIRS, Eye-tracking and MRI. Please contact the department for information on semester specific course offerings. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required for an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. The written assignments of this course require coherent, logical and carefully edited prose that will demonstrate students' analysis and synthesis skills.

Prerequisite(s): BEP 305

Writing

**BEP480 Neuroimaging**

C

Hours 4

This course will provide students with an overview of the methods, experimental design, and analytical skills used in magnetic resonance imaging (MRI) and functional magnetic resonance imaging (fMRI) data, as well as how these methods are used in educational neuroscience. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): BEP 220

Computer Science

**BEP490 Electrophysiology**

C

Hours 4

This course provides an overview of electrophysiological methods used in the field of educational neuroscience to conduct research on learning and cognition. Students will also gain experience in the collection, analysis, and interpretation of electrophysiology data. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): BEP 220

Computer Science

**BER340 Introduction to Qualitative Research**

Hours 3

This course is an introduction to qualitative research that centers on discussions related to the application of qualitative research methods and an understanding of the issues involved in qualitative research ethics, design, analysis and writing. The course is organized into five major emphases: An introduction to qualitative research; the researcher as apart of qualitative research; role of theory in qualitative research; conducting qualitative research; and ethical implications.

**BER345 Educational Statistics**

Hours 3

Statistical methods in education; graphs, charts, frequency distributions, central tendencies, dispersion, correlation, sampling errors, estimation, and hypothesis testing.

**BER346 Experimental Methods in Educational Neuroscience**

Hours 3

The purpose of this course is to provide a comprehensive overview of experimental design and methodologies within cognitive psychology and neuroscience, as well as interdisciplinary methods within educational neuroscience. Students will learn the basics of experimental design, how to read research articles, communicate research to others, construct literature reviews and generate proposals.

Prerequisite(s): BER 345

**BER450 Assess Of Classrm Learnng**

Hours 3

Survey of teacher-made and standardized instruments for understanding students' achievement and evaluating teaching. Field practicum in the schools is required.

**CAT100 Computer Concepts & Applicatn**

Hours 3

Fundamentals of computer use in education, including software applications, keyboard functions, peripherals, utilities, and software.

**CAT200 Computer Education Application**

C

Hours 3

Introduces computer applications relating to problem solving, critical thinking, instruction, data management and Web page development. Computing proficiency is required for a passing grade in this course.

Computer Science

**CAT250 Computer Educ Curric Devel**

C

Hours 3

Utilizing computer technology and computer applications in instruction. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CAT 200

Computer Science



**CEE304 Teaching Early Childhood and Elementary School Science**

Hours 3

Teaching experiences related to P-6 children's learning of science, with emphasis on teaching strategies that use inquiry approaches. Intensive field experience. Admission to Teacher Education Program is required.

Prerequisite(s): CEE 365, CEE 370, CEE 380, CEE 492, and CEE 495 with a minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 366, CEE 401, CEE 478, CEE 496 and BER 450

**CEE320 Survey of Early Childhood and Elementary Education**

Hours 3

Surveys early childhood and elementary education as professional careers. Students become acquainted with factors affecting successful teaching in P-6.

Prerequisite(s) with concurrency: CRD 369, CEE 491, and MUE 385

**CEE365 Literature for Early Childhood and Elementary Ages**

Hours 3

Selection and teaching of literature for P-6 children at various developmental levels, according to interests, needs, and abilities. Intensive field experience. Admission to Teacher Education Program is required.

Prerequisite(s): CEE 320, CRD 369, MUE 385 and CEE 491 with a minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 370, CEE 380, CEE 401, CEE 492, and CEE 495

**CEE366 Teaching Social Sciences for Early Childhood and Elementary Children**

Hours 3

The nature of P-6 social studies, the resource unit, kinds of materials, teaching procedures, and the evaluation of learning. Intensive field experience. Admission to Teacher Education Program is required.

Prerequisite(s): CEE 365, CEE 370, CEE 380, CEE 492, and CEE 495 with a minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 304, CEE 401, CEE 478, CEE 496, and BER 450

**CEE370 Teaching Reading Elem School**

W

Hours 3

Materials and methods in the teaching of reading, with emphasis on assessment-based instruction and planning a balanced program. Intensive field experience. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Admission to Teacher Education Program is required.

Prerequisite(s): CEE 320, CEE 491, CRD 369, and MUE 385

Prerequisite(s) with concurrency: CEE 365, CEE 380, CEE 401, CEE 495, and CEE 492

Writing

**CEE380 Teaching Early Childhood and Elementary Mathematics**

Hours 3

P-6 teaching experiences related to children's developmental learning of mathematics, with emphasis on teaching strategies, manipulatives, and other materials useful in teaching content. Intensive field experience. Admission to Teacher Education Program is required.

Prerequisite(s): CEE 320, CRD 369, MUE 385, and CEE 491 with minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 365, CEE 370, CEE 401, CEE 492, and CEE 495

**CEE401 Managing Effective Classrooms**

Hours 1-6

This course is designed to teach students the principles and theory of classroom management. Emphasis will be placed on the design and implementation of classroom management methods and techniques.

Prerequisite(s): Admission to Teacher Education Program

**CEE478 Teaching Language Arts in Early Childhood and Elementary**

W

Hours 3

Deepening understanding of the materials and methods for teaching of P-6 language arts with emphasis on planning and implementing a writing program. Intensive field experience. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Admission to Teacher Education Program is required.

Prerequisite(s): CEE 365, CEE 370, CEE 380, CEE 492, and CEE 495 with a minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 304, CEE 366, CEE 401, CEE 496, and BER 450

Writing

**CEE491 Early Childhood Curr. & Inst.**

Hours 3

A foundation in the materials and methods for teaching in early childhood classrooms with an emphasis on child development, assessment, and instruction. Completion of Professional Semester II courses required.

Prerequisite(s) with concurrency: CEE 320, CRD 369, and MUE 385

**CEE492 Engaging Children and Families in the Early Childhood Classroom**

Hours 3

Students will develop advanced skills in planning and facilitating play-based activities to support the learning and development of children from birth through age eight. Students will use an integrated approach to teaching developmentally appropriate curriculum while building their professional knowledge related to advocacy and family engagement.

Prerequisite(s): CEE 320, CEE 491, CRD 369, MUE 385

Prerequisite(s) with concurrency: CEE 401, CEE 365, CEE 495, CEE 370, CEE 380

**CEE495 Practicum**

Hours 3

Open only to students in professional semester II of the early childhood and elementary program. This course offers students significant clinical experience and opportunities to plan and teach lessons in P-6. Admission to Teacher Education Program is required.

Prerequisite(s): CRD 369, CEE 320, CEE 491, and MUE 385 with minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 365, CEE 370, CEE 380, CEE 401, and CEE 492

**CEE496 Senior Practicum**

Hours 3

A field-based course providing opportunities to practice authentic classroom application of various subject areas in P-6 education. Admission to Teacher Education Program is required.

Prerequisite(s): CEE 365, CEE 370, CEE 380, CEE 492, CEE 495 with a minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 304, CEE 366, CEE 401, CEE 478, and BER 450

**CEE497 Early Childhood and Elementary Education Internship**

Hours 4.5-7.5

Observation, participation, and teaching experiences supervised by selected cooperating teachers in P-6 early childhood and elementary schools. Additional supervision is provided by College of Education personnel.

Prerequisite(s): CEE 304 and CEE 366 and CEE 401 and CEE 478 and CEE 496 and BER 450 with a minimum passing grade of C-

Prerequisite(s) with concurrency: Prerequisite with concurrency EDU 400

**CIE480 Meth Teach Foreign Langs**

W

Hours 3

Theories, methods, techniques, and essential media for teaching foreign languages effectively. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Admission to Teacher Education Program is required.

Prerequisite(s): None. Corequisite: CSE 489

Writing

**CIE497 Intern Foreign Lang Educ**

Hours 3-12

Observation and teaching of the major subject in an elementary and secondary school. Offered in the fall and spring semesters only. Application for student teaching must be made the semester prior to student teaching (excluding summer term) through the Office of Clinical Experience. Formal application meetings are held and their times will be posted in Autherine Lucy Hall and announced in the Crimson White prior to the meetings.

Prerequisite(s): Admission to Teacher Education Program

**CIE499 Special Topics in Early Childhood, Elementary, and/or Secondary Education**

Hours 1-6

This course, offered on campus or abroad, provides opportunities to engage with topics or projects of collective concern in early childhood, elementary, and/or secondary education. Topics vary. May be repeated. Offered according to demand.

Prerequisite(s): Permission of instructor

**CRD369 Foundations of Reading Instruction for Early Childhood and Elementary Children**

Hours 3

Introduction to literacy development, instruction, and assessment for P-6. Foundational concepts of literacy instruction and best-practice are covered. A field component is required.

Prerequisite(s) with concurrency: CEE 320 and CEE 491 and MUE 385

**CRD400 Teach Readg Diverse Learn K-12**

Hours 3

A foundation in the materials and methods for teaching of reading and language arts K-12, with emphasis on intervention programs, assessment, and instruction for individual and small groups of students. Intensive field experience is required.

**CRD412 Impr Read Second Schools**

W

Hours 3

Study of methods and strategies for teaching reading at the secondary and junior-college levels. Methods of teaching word attack and comprehension skills are emphasized. Diagnostic techniques, study skills, and teaching reading in the content areas are also covered. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Admission to Teacher Education Program

Writing

**CSE390 Instructn Accomd Sec Sch**

Hours 3

The course focuses on evaluating teaching and learning behaviors and on general teaching competencies.

Prerequisite(s) with concurrency: CSE 493

**CSE401 Tech for Teaching Sec. Math**

C

Hours 3

Examines and explores various existing and emerging classroom technologies for specifically teaching secondary mathematics topics including but not limited to spreadsheets, hand-held & computer graphing technologies, dynamic geometry software, computer algebra systems and data collection devices. Fall only. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): C- or better in MATH 227 or MATH 247 and ST 260

Prerequisite(s) with concurrency: MATH 403 and CSE 390

Computer Science

**CSE406 Curriculum Secondary Math**

W

Hours 3

Future secondary mathematics teachers examine advanced concepts, structures, and procedures that comprise secondary mathematics. This course focuses on current issues and trends in the curriculum, teaching, and learning of secondary mathematics with emphasis on the investigation and implementation of current reform efforts. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): C- or better in CSE 401 Admission to Teacher Education Program

Writing

**CSE455 Adolescent Literature**

Hours 3

Study of contemporary literature for young adults, with emphasis on high-interest and high-quality literature from diverse authors.

**CSE469 Pedagogical Grammar**

Hours 3

This is a practical course intended to enhance the student's understanding of the structure of the English language. The course is designed to encourage a thorough study of grammar and its role in the English language arts curriculum, to explore the psycholinguistic nature of language processes, and to develop methods of instruction for the classroom.

**CSE470 Teaching Writing 6-12**

Hours 3

This course is designed to prepare prospective English teachers to successfully teach and evaluate writing in grades 6-12.

**CSE476 Improving Science Teaching**

C

Hours 3

Examination and evaluation of emerging and existing technologies specific to secondary science teaching. Students will grow their capacity to employ technologies to plan, enact, and assess science teaching and learning. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CSE 390

Prerequisite(s) with concurrency: BER 450, CRD 412, CSE 489, CSE 486  
Computer Science

**CSE479 Teach Second Sch English**

C, W

Hours 3

Methods and media essential to effective instruction of English in the secondary school. Admission to Teacher Education Program is required. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CSE 390

Prerequisite(s) with concurrency: CSE 489, CRD 412, and BER 450

Computer Science, Writing

**CSE480 Teach Sec Sch Forgn Lang**

W

Hours 3

Theories, methods, techniques, and essential media for teaching foreign languages effectively in the secondary school. Offered fall semester only. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Admission to Teacher Education Program is required.

Prerequisite(s) with concurrency: CSE 489, CRD 412, BER 450

Writing

**CSE483 Teach Second School Math**

W

Hours 3

The course presents primarily methods and instructional strategies of teaching mathematics, but necessarily includes a study of selected topics in mathematics. Offered fall semester only. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Admission to Teacher Education Program is required.

Prerequisite(s): CSE 406 with a minimum passing grade of C-

Prerequisite(s) with concurrency: CSE 489, CRD 412, BER 450

Writing

**CSE485 Teaching Inquiry in Secondary Social Studies**

Hours 3

This course is designed to assist students' understanding of and application of powerful, inquiry-based strategies to the design of meaningful 21st century social studies instruction and assessment.

Prerequisite(s): TEP

**CSE486 Teach Second Sch Science**

W

Hours 3

Instructional strategies and media essential to effective learning of science in the secondary school. Content includes objectives, inquiry teaching, analysis of curricula, assessment, teaching for diversity, science-thinking skills, unit planning, and laboratory management. Offered only fall semester. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Admission to Teacher Education Program is required.

Prerequisite(s): None. Corequisite: CSE 489

Writing

**CSE487 Teach Second Soc Science**

C, W

Hours 3

This course will use a reflective teaching model for examining the history, issues, and contemporary practices related to teaching middle- and high-school social science. Computing proficiency is required for a passing grade in this course. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Admission to Teacher Education Program is required.

Prerequisite(s): CSE 390 with a minimum passing grade of C-

Prerequisite(s) with concurrency: BER 450 and CRD 412 and CSE 489

Computer Science, Writing

**CSE489 Clinicial Exper Second School**

C

Hours 3

Observation and participation experiences in secondary schools. Computing proficiency is required for a passing grade in this course. Admission to Teacher Education Program is required.

Prerequisite(s): CSE 390 Unconditional Admission to Teacher Education Program

Prerequisite(s) with concurrency: Appropriate methods course

Computer Science

**CSE493 Diversity Block Seminar**

Hours 1-3

A reflective teaching model will be used to explore differences in race, class, gender, and academic achievement as they affect classroom interaction and academic success.

Prerequisite(s) with concurrency: CSE 390

**CSE497 Secondary School Teaching**

Hours 3-12

Observing and teaching in the student's secondary school subject area. Admission to Teacher Education Program is required.

Prerequisite(s): CSE 479 or CSE 480 or CSE 483 or CSE 486 or CSE 487 or CIE 480

**EDU100 Role of Education in a Diverse Society**

SB

Hours 3

This course will explore the role of education in society. Students will examine historical and contemporary issues of education in society as well as with teaching, learning, curriculum, and reform.

Prerequisite(s): Students must be an Early College student with good standing.

Social and Behavioral Sciences

**EDU200 Orient to Teacher Education**

Hours 1

This course is designed to prepare prospective candidates with the necessary prerequisite knowledge required for success in TEP.

**EDU400 Internship Seminar**

Hours 1

This seminar course serves as a support mechanism to facilitate reflection and performance assessment through regularly scheduled seminars during teacher internship. Class activities involving lecture, group discussions, portfolio development, and successful completion of a culminating teacher performance assessment will be used to facilitate professional development.

Prerequisite(s): Meet all qualifications for Teacher Internship

Prerequisite(s) with concurrency: Student teaching internship

**EDU401 Dyn. of American Ed: Honors**

UH

Hours 3

The purpose of the course is to provide an introduction to the foundational and curricular components of education. Students will analyze key socio-cultural, academic, political and economic issues and examine the role of the teacher, student and community member in American education.

University Honors

**EDU402 Honors Educational Diversity and Advocacy**

UH

Hours 3

This course examines differences and diversity of students in education through the exploration of ethnicity, disability, gender and class. The course develops knowledge and tools for advocacy through an understanding of relevant law and experience through service.

University Honors

**EDU403 Honors Educational Policy**

UH

Hours 3

This course traces the development of educational policy through the history of educational reform from the Common School Movement to the development of No Child Left Behind and its evolution to the present time. Readings and discussion will analyze the development of policy in the context of social, political, legal and institutional contributions to the purposes of public education from diverse viewpoints.

University Honors

**EDU410 Honors Educational Studies Seminar**

UH

Hours 3

The purpose of this seminar is to facilitate students as educational researchers and advocates. Students will integrate what they have learned in the program to conduct research around a problem they will identify.

Prerequisite(s): EDU 401 and EDU 403

Prerequisite(s) with concurrency: EDU 402

University Honors

**EDU450 Patterson Scholars Seminar**

Hours 0

This course provides a framework for Patterson scholars to achieve the requirements of their receipt of funds. They are required to engage in learning about teaching reading and to report regularly to Mr. James Patterson.

**KIN100 Physical Conditioning Yoga**

Hours 1

The purpose of this course is to provide the student with knowledge and skills that will assist an individual in participating in safe and effective yoga practices.

**KIN101 Physical Conditioning**

Hours 1

The purpose of this course is to introduce the student to the knowledge base underlying proper physical conditioning of the body and appropriate techniques for participation.

**KIN102 Horseback Riding**

Hours 1-3

The purpose of this course is to provide students with the knowledge and skills needed to participate in horseback riding.

**KIN103 Soccer**

Hours 1

The purpose of this course is to provide the student with the knowledge and skills necessary for participation in the sport of soccer.

**KIN104 Basketball**

Hours 1

The purpose of this course is to provide the student with the knowledge and skills necessary for participation in basketball.

**KIN105 Softball**

Hours 1

The purpose of this course is to provide the student with the knowledge and skills necessary for skilled participation in the sport of softball.

**KIN106 Beginning Golf**

Hours 1

The purpose of this course is to provide students with the knowledge and skills to participate in a basic game of golf.

**KIN107 Intermediate Golf**

Hours 1

The purpose of this course is to provide students with the knowledge and skills necessary to participate at an intermediate level in the game of golf.

**KIN108 Beginning Tennis**

Hours 1

The purpose of this course is to provide students with the necessary knowledge and skills to motivate participation in tennis.

**KIN109 Physical Condition: Pilates**

Hours 1

The purpose of this course is to provide the student with knowledge and skills that will assist an individual in participating in safe and effective pilates practices.

**KIN110 Indoor Rock Climbing**

Hours 1

The purpose of this course is to help students understand and demonstrate proper risk management and safety techniques, as well as proper technical skills, in order to safely enjoy the activity of indoor rock climbing.

**KIN111 Intermediate Tennis**

Hours 1

The purpose of this course is to provide students with the knowledge and skills necessary for the development of intermediate skills with an emphasis on individual stroke analysis, playing strategy and match play, both singles and doubles.

**KIN113 Introduction to Paralympic Sport**

Hours 1

This course will introduce students to a variety of adapted sports. The sports covered will vary based on participants and available equipment. Example of sports which may be played or reviewed are wheelchair basketball, sitting volleyball, goalball, beep baseball, wheelchair tennis, rowing, golf, boccia, and table tennis. This class will be activity based with some lecture.

**KIN117 Volleyball**

Hours 1

The purpose of this course is to provide the student with the knowledge and skills necessary for participation in volleyball.

**KIN118 Water Aerobics**

Hours 1

This course is designed to enhance cardio-respiratory fitness through the medium of water aerobics and physical conditioning.

**KIN119 Indoor Cycling**

Hours 1

This course is designed to enhance cardio-respiratory function through the medium of stationary bike group cycling.

**KIN120 Aerobics**

Hours 1

This course is designed to enhance cardiorespiratory fitness through the medium of aerobic dance and physical conditioning.

**KIN121 Beginning Social Dance**

Hours 1

The purpose of this course is to introduce the student to the basic dances that are performed in a social situation.

**KIN122 Aerobics**

Hours 1

This course is designed to enhance cardio-respiratory fitness through the medium of aerobic dance and physical conditioning.

**KIN131 Beginning Swimming**

Hours 1

The purpose of this course is to provide students with the knowledge and skills necessary for participation in basic aquatic activities.

**KIN132 Intermediate Swimming**

Hours 1

The purpose of this course is to provide students with the knowledge and skills necessary for participation in more advanced aquatic activities.

**KIN138 Lifeguarding**

Hours 3

The purpose of this course is to prepare the student both mentally and physically to supervise, coordinate, and successfully control an aquatic emergency.

**KIN140 Water Safety Instruct**

Hours 3

The purpose of this course is to provide knowledge of water safety instruction so that the student will be able to instruct groups and individuals in this discipline.

**KIN145 Beginning Racquetball**

Hours 1

The purpose of this course is to provide students with the knowledge and skills necessary to participate in the game of racquetball.

**KIN155 Self Defense for Women**

Hours 1

The purpose of this course is to provide the student with the knowledge and skills that will enhance the student's ability to defend herself in case of physical or sexual assault as well as to enhance her overall personal safety.

**KIN157 Beg Weight Training**

Hours 1

The purpose of this course is to provide students with the knowledge and skills necessary to design and follow a basic weight-training program.

**KIN167 Running**

Hours 1

The purpose of this course is to provide the student with the knowledge and skills necessary to design and follow a basic running program.

**KIN170 Beginning Karate**

Hours 1

The purpose of this course is to provide the student with the knowledge and skills necessary for participation in the sport of karate.

**KIN199 Ecol Appr Hlth & Fitness**

Hours 3

This introductory course examines the basis for and interrelationships among the six aspects of wellness: social, physical, emotional, intellectual, spiritual, and environmental. The course addresses issues of physical fitness, wellness, and personal safety applicable to the college age group.

**KIN200 Weight Mgt Principles**

Hours 3

This course is designed around successful weight management concepts and pitfalls. Topics include physical activity, behavior, and lifestyle modification. Hands-on activities include measures of daily energy expenditure, personal fitness, target body weight, and development of a personalized exercise plan.

**KIN300 Intro to Kinesiology**

Hours 3

A critical analysis of socio-cultural issues of the body throughout history and an in-depth study of physical education, fitness, and sport programs and professions.

**KIN303 Physiology of Exercise**

Hours 3

This course examines the human physiological response to exercise.

Prerequisite(s): BSC 215 or BSC 216

**KIN305 Dance & Gymnastics**

Hours 3

The purpose of this course is to improve students' performance and knowledge of skills and strategies in gymnastics and dance and to acquaint them with effective teaching behaviors appropriate for these activities.

Prerequisite(s): None. Corequisites: KIN 350 and KIN 351

**KIN306 Analysis & Teaching Movement I: Teaching Invasion, Striking/Fielding, and Target Games**

Hours 3

The purpose of this course is to improve students' performance and knowledge of skills and strategies in invasion, striking/fielding and target games, and acquaint them with effective teaching behaviors appropriate for these same types.

**KIN307 Teach Trk & Fld/Net Game**

Hours 3

The purpose of this course is to improve students' performance and knowledge of skills and strategies in track and field and net/wall games, and acquaint them with effective teaching behaviors appropriate for these activities.

**KIN310 Teaching Swimming**

Hours 3

The purpose of this course is to improve students' swimming skills and knowledge of water safety and to acquaint them with effective teaching behaviors appropriate for this activity.

**KIN311 Tch Hlth Related Fitness**

Hours 3

The purpose of this course is to improve students' knowledge of the basic principles of health-related fitness and acquaint them with effective teaching behaviors appropriate for fitness instruction.

**KIN330 Introduction to Horses in the Equine Industry**

Hours 3

The purpose of this course is to provide students with a basic background knowledge in horses, to include: history, breeds, basic care and health, use, management, selection and behavior. Students in equine management related fields will require this knowledge in their professional fields to be knowledgeable caretakers and successful in business.

**KIN335 Professional Development & Career Preparation for the Equine Industry**

Hours 3

In addition to supervised professional experience in the equine industry through observation/participation under the direction of a professional within the community, students will learn valuable professional development tools such as writing a resume, cover letter, and thank you letter, as well as preparing for a professional interview.

**KIN350 Secondary Curriculum**

Hours 3

The purpose of this course is to provide students with knowledge of current curricular and instructional practices for secondary physical education programming.

Prerequisite(s): None. Corequisites: KIN 305 and KIN 351

**KIN351 Secondary Clinical Experience**

Hours 3

The purpose of this clinical experience is to provide students with the opportunity to teach secondary students in a public school setting.

Prerequisite(s): None. Corequisites: KIN 305 and KIN 350.

**KIN352 Psychology of Coaching**

Hours 3

This course is designed to introduce students to the psychology of coaching.

**KIN360 Subj Matter Elem Physical Educ**

Hours 3

Provides knowledge of subject matter for elementary physical education and a comprehensive K-5 curriculum. Concurrent enrollment in KIN 361 is required.

Prerequisite(s): KIN 305, KIN 350, KIN 351

Prerequisite(s) with concurrency: KIN 361

**KIN361 Elem Phys Ed Curr Phil Theory**

W

Hours 3

This course is designed to help students improve their abilities to teach elementary physical education and to plan and reflect on lessons, units and a comprehensive K-5 curriculum. This course must be taken concurrently with KIN 360. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): KIN 305, KIN 350, KIN 351

Prerequisite(s) with concurrency: KIN 360

Writing

**KIN362 Motor Development**

Hours 3

Study of growth in phylogenetic and ontogenetic sequence, and the motor development sequence across the lifespan; integration of movement skill and knowledge development. A field experience is required.

**KIN364 P E Elem Sch Elem Ed Maj**

Hours 3

This course is designed to provide students with knowledge of current curricular and instructional practices in elementary physical education and to provide them with opportunities to practice-teach in a public-school setting.

Prerequisite(s): CEE 491 with a minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 365 and CEE 370 and CEE 380 and CEE 401 and CEE 495

**KIN365 Applied Biomechanics**

Hours 3

Review of basic anatomy, especially the muscular system, and examination of the relationship of fundamental laws of physics to human movement. Includes mechanical principles of skill instruction and analysis.

Prerequisite(s): BSC 215 or BSC 216

**KIN366 Evaluation and Measurement**

Hours 3

Study of the administration and evaluation of test batteries in physical education, fitness management, and personal training.

**KIN367 Exercise is Medicine**

Hours 3

Public health guidelines, epidemiological evidence, and biological mechanisms related to physical activity and exercise-induced enhancement of physical and mental health (e.g. obesity, cardiovascular disease, diabetes, anxiety, depression) are covered. Personal exercise and health data are collected to engage in scientific inquiry and communication.

Prerequisite(s): KIN 303

**KIN370 Coaching Soccer**

Hours 3

This course is designed to provide students with the skills and knowledge to coach the game of soccer.

**KIN380 Coaching Officials**

Hours 3

The purpose of this course is to help students understand and demonstrate various aspects of sports officiating, including knowledge of the basic rules in specific sport activities.

**KIN381 Coaching Football**

Hours 3

This course is designed to provide students with the skills and knowledge to coach football.

**KIN382 Coaching Basketball**

Hours 3

This course is designed to provide students with the skills and knowledge to coach the game of basketball.

**KIN383 Coaching Baseball**

Hours 3

This course is designed to provide students with the skills and knowledge to coach the game of baseball.

**KIN386 Coaching Volleyball**

Hours 3

This course is designed to provide students with the skills and knowledge to coach the game of volleyball.

**KIN387 Adapted Sports Professional Development**

Hours 1-3

Supervised professional experience in a fitness or related setting; observation and participation under the direction of a professional at the site.

Prerequisite(s) with concurrency: KIN 113

**KIN388 Professional Development in Fitness**

Hours 3

In addition to supervised professional experience in fitness through observation/participation under the direction of a professional within the community, students will learn valuable professional development tools such as writing a resume, cover letter, and thank you letter, as well as preparing for a professional interview.

**KIN392 Clinical Exercise Physiology**

Hours 3

This course explores recent advances in exercise physiology for "clinical" populations. Particular emphasis is placed on the acute and chronic responses to exercise in patients at risk for or having cardiac, pulmonary, and metabolic diseases.

Prerequisite(s): KIN 303

**KIN401 Sport Administration: Principles and Practice**

Hours 3

This course provides an overview of the sport industry, and helps orient students to the field of sport administration. Sport administration content areas discussed in detail include the history of sport administration, and how management principles relating to organizational behavior, leadership styles, finance, facility and event management, media relations, and sports broadcasting are applied. Contemporary trends in professional, intercollegiate, interscholastic, and international athletics will be discussed.

**KIN402 Sport Marketing**

Hours 3

This course examines sport marketing and sport consumer behavior. All aspects of a sound sport marketing plan will be addressed in addition to contemporary trends that effect sport marketing efforts.

**KIN403 Legal Issues in Sport**

Hours 3

An analysis of legal issues affecting the delivery of sport services focusing on liability in sport activities and the recognition of social problems in American sport.

**KIN404 Financial Issues in Sport**

Hours 3

This course is designed to provide students with an introduction to financial analysis and budgeting techniques essential for tracking an organization's revenues and expenses.

**KIN405 Sports Management: Trends and Issues**

Hours 3

This course is designed to provide students with an opportunity to engage with, explore, and immerse themselves in the extant contemporary literature relating to trends and issues in interscholastic and intercollegiate athletics, as well as youth, professional sports and recreation.

**KIN420 Issues in Athletics Coaching**

Hours 3

This course is designed to examine current issues, controversies, trends, and problems in the field of coaching.

**KIN430 Issues in the Equine Industry**

Hours 3

The purpose of this course is to incorporate information gained in the classroom with a real-world perspective on the state of the equine industry. A wide variety of current topics will be discussed by industry leaders who will act as guest lecturers. Students in equine management related fields will require this knowledge in their professional fields to be knowledgeable caretakers and successful in business.

**KIN435 Equine Business Management**

Hours 3

This course examines the equine industry from a business management perspective and provides an opportunity to analyze the external environmental factors involved in opening and managing an equine business.

**KIN468 Adapted Physical Education**

W

Hours 3

The course includes basic information on disability sport and physical education programs. It focuses on the roles of various service agencies and organizations, on state and federal legislation and on various inclusion strategies. A clinical experience is required. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**KIN486 Internships-Disability Sport**

Hours 3-12

Directed internship in an area of specialization, completed in cooperation with a community agency or business, clinical, or other appropriate organization. Observation and on-the-job experience through direct participation in ongoing programs.

**KIN487 Physical Educ Teach Pract**

Hours 3

This course is designed to provide students with the knowledge and skills to implement additional curricular models at both the elementary- and secondary-school levels. Admission to Teacher Education Program is required.

Prerequisite(s): KIN 305, KIN 306, KIN 307, KIN 310, KIN 350, KIN 351, KIN 360, KIN 361, KIN 366



**KIN488 Internships-Fitness**

Hours 1-12

Directed internship in an area of specialization, completed in cooperation with a community agency or business, clinical, or other appropriate organization. Observation and on-the-job experience through direct participation in ongoing programs.

**KIN491 Sport Exercise & Social Scienc**

W

Hours 3

This course explores the major issues that occupy social sciences involved in the study of sport and exercise. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**KIN492 Advanced Physiology of Exercise**

Hours 4

This course explores advanced concepts involving integrated human physiological responses to exercise. Laboratory activities expand concepts discussed in lecture. Students in KIN 492 will receive one overall grade in the course that encompasses both the lecture and the laboratory components (i.e. separate grades will not be posted for the lecture and laboratory components of the course).

Prerequisite(s): KIN 303

**KIN493 Fitness Appraisal and Exercise Prescription**

Hours 3

A study of the application of exercise testing and prescription principles as it applies to apparently healthy and alternatively diseased populations.

Prerequisite(s): KIN 303

**KIN494 Scientific Principles of Strength and Conditioning**

Hours 3

This course is designed to provide a comprehensive overview of strength and conditioning. Emphasis is placed on the exercise sciences (including anatomy, exercise physiology, and biomechanics) and nutrition, exercise technique, program design, organization and administration, and testing and evaluation. The course is designed to prepare students for the nationally accredited CSCS certification exam.

Prerequisite(s): KIN 303

**KIN496 Independent Study**

Hours 1-6

The purpose of this course is to provide the student an opportunity to further develop their skills/knowledge/instructional techniques in the area of kinesiology.

**KIN497 Internship Phys Education**

Hours 3-12

Prerequisites: Senior standing and admission to the Teacher Education Program, KIN 350, KIN 351, KIN 360, KIN 361, KIN 487, a minimum GPA of 2.5 for all work attempted, and a minimum GPA of 2.5 in the major. Full-time supervised teaching experience in elementary and secondary schools. Includes a weekly one-hour seminar. Student teaching cannot be completed during the summer term. Application for student teaching must be made the semester prior to student teaching (excluding summer term) through the Office of Clinical Experience. Formal application meetings are held and their times will be posted in Autherine Lucy Hall and announced in the Crimson White prior to the meetings.

Prerequisite(s): KIN 305, KIN 306, KIN 307, KIN 311, KIN 350, KIN 360 and KIN 366 with a minimum passing grade of C-

**MAP301 Professionalism**

Hours 3

This course is designed as a developmental sequence of integrated themes covering historical foundations of education, educational finance, legal and ethical issues, contemporary issues, and fundamental technology concepts and integrated with MAP 302, MAP 403, MAP 404 and MAP 405.

Prerequisite(s): Admission to the Multiple Abilities Program

**MAP302 Professionalism**

Hours 3

This course continues the developmental sequence of integrated themes from MAP 301. The underpinnings of various school reform efforts and their potential effects on classroom practices are a central focus of the course.

**MAP311 The Learner**

Hours 3

Integrated with MAP 312, MAP 413, MAP 414, MAP 415, this course is a developmental sequence covering concepts of human development, language development, literacy acquisition, and multiculturalism. A central theme is the development of skill in observing children and understanding their behavior from a developmental perspective. Group projects, independent study, observation, assigned readings, and field activities are part of the course.

Prerequisite(s): Admission to the Multiple Abilities Program

**MAP312 The Learner**

Hours 3

Integrated with MAP 311, MAP 413, MAP 414, MAP 415, this course is designed as an integrated, developmental sequence covering human development, language development, literacy acquisition, and multiculturalism, as well as concepts of assessment of the learner. The course includes group projects, independent study, observation, assigned readings, and field activities.

**MAP321 Communicatn/Collaboratn**

C

Hours 3

Integrated with MAP 322, MAP 423, MAP 424, MAP 425, this course introduces concepts of cooperative partnerships in school and between home and school as a vehicle for quality educational experiences. Topics include social functions of speech communication; verbal and nonverbal communication; and skills essential for professional communication. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MAP 311 and Admission to the Multiple Abilities Program

Computer Science

**MAP322 Communicatn/Collaboratn**

C

Hours 3

Integrated with MAP 321, MAP 424, MAP 425, and other MAP courses, this course further explores the concept of cooperative partnerships to ensure quality educational experiences for children whose needs vary widely (including those with learning and/or behavior disabilities). Skills essential for professional communication, especially those needed for effective collaboration, are a central theme of the course. Computing proficiency is required for a passing grade in this course.

Computer Science

**MAP331 Facilitating Learning**

W

Hours 3

By observing and participating in classrooms, students acquire understanding of pedagogies appropriate for young children. This course is closely related to other MAP "Facilitating Learning" title courses. This course introduces methods of instruction in math, science, literacy, art and social studies. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Admission to the Multiple Abilities Program

Writing

**MAP332 Facilitating Learning**

W

Hours 3

Using observation and study, students in this course learn about effective instruction of children with diverse needs, including those with learning and/or behavior disabilities. The course covers teaching young children science, math, music, literacy (reading, writing, and language arts), and physical education. A central theme of this course (which is integrated with MAP 331, MAP 433, MAP 434, and MAP 435) is use of instructional tactics and strategies to ensure meaningful learning and empowerment of children. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**MAP341 Field Exper/Practicum**

Hours 3

In this practicum, students complete observation-based research activities in a variety of general and special education classrooms. A variety of practicum experiences with emerging readers is required.

Prerequisite(s): Admission to the Multiple Abilities Program

**MAP342 Field Exper/Practicum**

Hours 3

This is the second MAP field experience, and it, too, is integrated with the MAP coursework that precedes and follows it. During the semester month-long practicum, students serve as apprentices in a mentoring teacher's classroom, engaging in co-planning and co-teaching lessons. They have a variety of practicum experiences with elementary students.

**MAP403 Professionalism**

Hours 2

This course extends the developmental themes of MAP 302 and is integrated with other MAP courses. Developing a "self as professional" perspective is a central theme of the course.

**MAP404 Professionalism**

Hours 3

This course extends developmental themes covered in previous "Professionalism" courses. Emphasis is on gathering and analyzing educational data and information in order to make classroom teaching more effective.

**MAP405 Professionalism**

Hours 3

This course extends developmental themes covered in previous "Professionalism" courses.

**MAP413 The Learner**

Hours 2

Integrated with MAP 311, MAP 312, MAP 414, MAP 415, and other courses in the MAP program, this course is an integrated, developmental sequence exploring child development during infancy and childhood, motivation theory, paradigms of educational psychology, and talent development.

**MAP414 The Learner**

Hours 3

The course is integrated with the rest of the MAP curriculum and teaches the theory and practice of the construction of tests for student assessment. Nonbiased assessment and placement of and intervention with culturally/socially/ economically diverse students are emphasized.

**MAP415 The Learner**

Hours 3

Building on previous MAP courses, this course develops a sophisticated understanding of human development, human learning and language acquisition, and the social context of all of these. Vygotsky's social learning theories and their practical implications for the multiple abilities classroom are a key focus.

**MAP423 Communication And Collaboratn**

Hours 1

Building on previous MAP courses, the course focuses on interpersonal skills needed to communicate effectively with parents through conferencing, notes/letters, and newsletters about curriculum topics, themes, classroom events and children's work.

**MAP424 Communicatn/Collaboratn**

Hours 3

Building on previous MAP courses, the course focuses on planning and conducting conferences to establish, communicate, and achieve the goals and essential characteristics of an educational program.

**MAP425 Communication/Collaboration**

Hours 3

Building on previous MAP courses, the course focuses on the use of social problem-solving skills: conflict resolution, anger diffusion, and crisis intervention.

**MAP433 Facilitating Learning**

Hours 1

By observing and participating in classrooms, students acquire skills in pedagogy appropriate for young children. This course is integrated with MAP 331, MAP 332, MAP 434, and MAP 435. It concentrates on the employment of community resources and on presentation skills.

**MAP434 Facilitating Learning**

Hours 2

By observing and participating in classrooms, students acquire skills in pedagogy appropriate for young children. This course is integrated with MAP 331, MAP 332, MAP 433, and MAP 435. It concentrates on the integration and inclusion of exceptional children and children from diverse backgrounds in various classroom settings: planning for individual needs, modifying objectives and adapting curriculum materials, and personalizing instruction.

**MAP435 Facilitating Learning**

Hours 2

This course extends concepts of learning, classroom management, behavior modification, and individual behavior management. Emphasis is on using effective programs and interventions with children of diverse abilities to facilitate social and emotional growth and encourage appropriate behavior.

**MAP443 Enrichment Workshop Practicum**

Hours 6

This course concentrates on learning strategies and thinking skills, and how to integrate them in one's teaching throughout the instructional program. It explores how distinguishing the cognitive from the affective components of thinking skills can help pupils of all abilities to learn responsibility for the decision-making process and help them express their thoughts.

**MAP444 Field Experience Spe Interns**

Hours 6

This course begins as an apprenticeship with a mentoring teacher in a special education classroom. It evolves into a 12-week internship in which the student assumes major responsibility for managing and conducting classroom instruction for pupils with mild learning and behavior disabilities.

**MAP445 Field Experience Spe Internsh**

Hours 6

This course begins as an apprenticeship with a mentoring teacher in an elementary general education classroom setting. It evolves into a 12-week internship in which the student assumes major responsibility for managing and conducting the classroom instruction.

**MUE107 Basic Skills In Music**

Hours 2

Basic music-reading skills developed through singing and playing of instruments. The course is designed for the prospective elementary school teacher and is a prerequisite for MUE 385.

**MUE200 Intro to Music Education**

Hours 2

Techniques associated with teaching music in the public schools. Development of classroom management skills and reflection on the role of the music educator in contemporary classrooms.

**MUE251 Intro To Winds, Str, Per**

Hours 3

Group instruction in and exposure to techniques for working with wind, string, and percussion instruments. This survey course includes lecture, demonstration, and hands-on participation.

**MUE252 Teach String/Percu Instr**

Hours 2

Group instruction in and exposure to techniques of teaching and performing on string, and percussion instruments. This survey course includes lecture, demonstration, and hands-on participation.

**MUE350 Evaluatn Teaching Learning Mus**

Hours 3

Survey of standardized instruments and evaluation techniques in music. Admission to Teacher Education Program is required.

Prerequisite(s): MUE 389 with minimum grade of C-

**MUE351 Tchg Flute Single Reeds**

Hours 3

Instructional techniques and materials for teaching flute and single reeds.

Prerequisite(s): MUE 200

**MUE352 Teaching Double Reeds**

Hours 1

Instructional techniques and materials for teaching oboe and bassoon.

**MUE353 Teach Brass Instruments**

Hours 2

Designed to provide the instrumental music education major with skills necessary to teach beginning, intermediate, and advanced students of brass wind instruments.

**MUE354 Teaching Percussion II**

Hours 1

Instructional techniques and materials for teaching intermediate and advanced players.

**MUE380 Vocal Methods**

Hours 2

Examination of vocal pedagogy, diction, and solo vocal literature appropriate for teaching students in a public-school setting.

**MUE381 Vocal Methods Lab**

Hours 1

Examination of the vocal instrument and teaching strategies for working with young voices.

**MUE385 Teaching Music in the Early Childhood and Elementary Classroom**

Hours 3

This course prepares future classroom teachers for engaging children in meaningful musical experiences in the early childhood and elementary classroom. Students explore music and movement development in children, and music and movement's role in children's development. Participants design and facilitate musical experiences including performing (singing and playing), responding (listening, moving and describing), and creating (composing and improvising). Participants examine and create curricular experiences to connect and integrate music across the curriculum.

Prerequisite(s): MUE 107

**MUE387 Elem School Music Program**

Hours 3

Comprehensive coverage of the music curriculum in the elementary school, including current methodologies. Teaching techniques and materials are demonstrated and applied in field experiences. Writing proficiency within this discipline is required for a passing grade in this course. Admission to a Teacher Education Program.

Prerequisite(s): MUE 389 with a minimum grade of C- Admission to a Teacher Education Program

**MUE389 Clinical Experience In Mue**

Hours 3

Campus- and field-based experiences in public-school music education at several levels. Microteaching and development of teaching techniques are included.

**MUE497 Internship Music Educ**

Hours 3-18

Full time supervised teaching experience in the area of specialization (instrumental or vocal).

Prerequisite(s): MUA 499 and MUA 299 with minimum grades of P. and MUS 447 or MUS 448 with minimum grade of C-.

**SPE100 Except Lives in Society**

SB

Hours 3

Introduction and overview for non-education majors regarding characteristics of diversity, exceptionalities, and social/behavioral issues in the 21st century. A service learning project experience, to be arranged outside the Tuscaloosa educational community, that exposes students to diverse populations is included. Through web-based readings/critiques, class lecture, and service learning opportunities, participants in this course will explore diverse populations from within the context of characteristics, issues and trends, cultural differences, and research. Offered fall and spring semesters.

Social and Behavioral Sciences

**SPE300 Survey Spe Accomd Stratg**

Hours 3

Characteristics of all exceptionalities, and educational and behavioral adaptations for exceptional children in the general education classroom. A practicum experience that acquaints students with exceptionalities is included. Offered each semester.

**SPE301 Special Education Undergraduate Practicum**

Hours 1

This practicum course to be taken once a semester after TEP admission that corresponds with the methods courses in that semester.

Prerequisite(s): TEP Admission

**SPE302 Educatl Diagn Measurmt**

W

Hours 3

Introduction to group and individual assessments used for evaluating student learning and for planning instruction. Emphasis is on appropriate test selection and use of results. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**SPE304 Instructional Strategies Spec Ed**

W

Hours 3

Addresses curriculum planning and selection of instructional tasks, with emphasis on making decisions that facilitate learning in students with disabilities. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Not applicable

Prerequisite(s) with concurrency: Completion of 36 hours of general core in accord with Alabama State Department of Education certification requirements.

Writing

**SPE326 Instruct Sign Language**

Hours 3

Introduction to the culture of the deaf community and to the sign language continuum, providing a knowledge base from which students can communicate with the deaf and hard of hearing in the school setting.

**SPE374 Working with Families of Children with Special Needs**

W

Hours 3

How to work with families of children with special needs, including supporting them in assessment, intervention planning, and providing supports. Includes families' legal rights, determining their existing assets, determining their needs, using adult learning theory, and determining family outcomes. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**SPE375 Positive Behavior Interventions and Support and Managing Classrooms**

Hours 3

This undergraduate course will help prepare classroom teachers to be effective in setting up their classrooms, managing instruction, grouping, establishing an inclusive, positive classroom climate, and improve instructional delivery.

**SPE382 Teaching Thinking Skills**

Hours 3

An overview of the dimensions of thinking skills with a focus on practical instructional techniques for special and regular education programs. Includes detailed training in models for teaching thinking skills that result in improved student and teacher thinking.

**SPE414 Collaborative Consultatn**

Hours 3

Examination of the ways in which individuals interact with educational systems, communities at large, and each other to bring about appropriate educational services for students with special educational needs. Included are fundamentals of group process, human behavior and interaction, and motivation, as well as skills and knowledge necessary for successful collaboration and consultation with others concerned with education of students who present exceptional needs.

**SPE416 Instruct Strategy Severe Popul**

Hours 3

Designed to assist students in the development of knowledge and skills to enhance their abilities to make reflective decisions and facilitate positive exchange in education settings for children with severe disabilities. Emphasis is placed on educational programming, subject matter, professional responsibilities of teachers and related service personnel, curriculum development, physical management of children with severe disabilities, adaptation of materials and equipment, and modification of programs in varied settings (clinical, homebound, hospital, public schools).

**SPE420 Language, Communication and Early Literacy Interventions**

Hours 3

This course serves as an introduction to the foundations of early literacy. It provides an overview of typical and atypical language development and focuses on intervention procedures that are useful for teaching young children with language delays and developmental disabilities, including children from diverse cultural and linguistic backgrounds.

**SPE435 Behavior Management**

Hours 3

The course addresses the development of models for managing behavior, to help teachers prevent or deal with emotional conflict in the classroom.

**SPE471 Dev Persp Young Child W/ Disab**

Hours 3

A course introducing the field of early childhood special education, including its rationale and legal issues. Offered fall semester.

**SPE476 Assessment Of Young Children**

Hours 3

Basic principles and practices involved in the assessment and evaluation of young children. Offered spring semester.

Prerequisite(s): Admission to Teacher Education Program

**SPE477 Differentiated Acad. Instruct**

Hours 3

This course examines differentiated instructional methods using cross-content instructional examples. The course provides opportunities to develop knowledge and skills in lesson and unit planning, pedagogy, kinds of materials and evaluation of learning. Admission to Teacher Education Program is required.

Prerequisite(s): SPE 304 and SPE 471 or SPE 571; and SPE 476 or SPE 576 Admission to Teacher Education Program

Prerequisite(s) with concurrency: SPE 471

**SPE478 Meth Teach Yng Child W/ Disb**

Hours 3

Curriculum methodology materials and management technology for young children with disabilities.

**SPE479 Intern In Early Childhood Spe**

Hours 3-12

Fourteen week split internship providing supervised teaching experience in classrooms for young children. Offered spring and fall only. Application for internship must be made the semester prior to internship (excluding summer term) through Office of Educational Field Experience. Admission to Teacher Education Program is required.

Prerequisite(s): SPE 478 and SPE 476 and SPE 471 and SPE 374

**SPE491 Educ Method Elem Mlbd**

Hours 3

Designed to develop skill in the use of curriculum, materials, and management strategies with elementary school students who have mild learning and behavior disabilities. Offered fall semester.

Prerequisite(s): Admission to Teacher Education Program

**SPE492 Educ Methods Second Mlbd**

Hours 3

Designed to develop skill in the use of curriculum, materials, and management strategies with secondary school students who have mild learning and behavior disabilities. Offered fall semester.

Prerequisite(s): Admission to Teacher Education Program

**SPE493 Intro Severe/Profound Disabili**

Hours 3

Designed to assist students in the development of knowledge and skills to enhance their abilities to make reflective decisions and facilitate positive exchange in educational settings for child/youth with severe/profound disabilities. Practicum required.

**SPE499 Internship In Spe (Spco)**

Hours 4.5-7.5

Fourteen-week split internship providing supervised teaching experience in elementary and secondary classrooms. Student teaching is only offered during the spring semester, unless written permission is secured from the department head. Student teaching cannot be completed during the summer term. Application for student teaching must be made the semester prior to student teaching (excluding summer term) through the Office of Clinical Experience. Formal application meetings are held and their times will be posted in Autherine Lucy Hall and announced in the Crimson White prior to the meetings.

Prerequisite(s): Admission to Teacher Education Program

## College of Engineering Courses

**AEM120 Aerospace Science For Educators**

N

Hours 4

Students develop meaningful understanding and use of engineering and science knowledge and critical-thinking skills and come to appreciate engineering and science as part of the daily life of a scientifically literate professional.

Natural Science

**AEM121 Introduction to Aerospace Engineering I**

Hours 1

To survey aerospace history, discuss pertinent topics and introduce basic concepts that promote an understanding of aerospace engineering and the profession.

Prerequisite(s) with concurrency: MATH 125 or MATH 145

**AEM201 Statics**

Hours 3

The study of forces, couples and resultants of force systems; free-body diagrams; two- and three-dimensional equilibrium, and problems involving friction; and centroids, center of gravity, and distributed forces.

Prerequisite(s): [ (MATH 125 or MATH 145) and (PH 105 or PH 125) and (ENGR 103 or ENGR 123) ] or [ (MATH 126 or MATH 146) and (PH 105 or PH 125) ]

**AEM249 Algorithm Devl Implementation**

Hours 3

Syntax and data structures, algorithm development, and data plotting using currently relevant technical computing programming language(s). Prior knowledge of programming is not required, but the course is appropriate for students with prior programming experience.

Prerequisite(s) with concurrency: MATH 125 or MATH 145

**AEM250 Mechanics Of Materials I**

Hours 3

Concepts of stress and strain; analysis of stresses and deformation in bodies loaded by axial, torsional, and bending loads; combined loads analysis; statically indeterminate members; thermal stresses; columns; and thin-walled pressure vessels.

Prerequisite(s): MATH 126 or MATH 146 and AEM 201

**AEM251 Mechanics Of Materials I Lab**

Hours 1

Mechanical tests of metallic and nonmetallic materials in the elastic and inelastic ranges; use of materials testing for acceptance tests, for the determination of properties of materials, and for illustration of the validity of assumptions made in mechanics of materials.

Prerequisite(s) with concurrency: AEM 250

**AEM264 Dynamics**

Hours 3

Kinematics of particles and rigid bodies, Newton's laws of motion, and principles of work-energy and impulse-momentum for particles and rigid bodies.

Prerequisite(s): MATH 126 or MATH 146; and AEM 201

**AEM311 Fluid Mechanics**

Hours 3

Fluid statics, application of conservation laws to simple systems, dimensional analysis and similitude, and flow in open and closed conduits.

Prerequisite(s): MATH 227 or MATH 247; and AEM 201

**AEM313 Aerodynamics**

Hours 3

Introduction to subsonic aerodynamics, including properties of the atmosphere; aerodynamic characteristics of airfoils, wings, and other components; lift and drag phenomena; and topics of current interest.

Prerequisite(s): AEM 311 and AEM 264

Prerequisite(s) with concurrency: MATH 238

**AEM341 Aerospace Structures**

Hours 3

Methods of analyzing stressed skin structures of the types that are typically found in aircraft, missiles and space vehicles. Unsymmetrical bending and bending and twisting of multiple cell structures are also covered.

Prerequisite(s): AEM 249 or CS 100 or CS 110 or (RRS 101 and RRS 102), and AEM 250

**AEM349 Applied Numerical Methods**

C

Hours 3

Elements of analytical and numerical analysis with engineering applications including, but not limited to, differential equations, linear algebra, root-finding, Gaussian elimination, and Runge-Kutta integration.

Prerequisite(s): MATH 237 and MATH 238 and (AEM 249 or CS 100 or CS 110 or (RRS 101 and RRS 102))

Computer Science

**AEM351 Aerospace Structures Laboratory**

Hours 1

Strain gage mounting and bridge circuits analysis; strain measurement in axial, bending, and torsional members resembling aerospace structures using axial and rosette strain gages; stress measurements in wing structural subcomponents (skin, stiffener, spar, rib, stringer) under bending loads using strain data; design, fabrication, and testing of a stiffened panel.

Prerequisite(s): AEM 251

Prerequisite(s) with concurrency: AEM 341

**AEM360 Astronautics**

Hours 3

Survey of topics and basic concepts in astronautics: orbital mechanics, space environment, attitude determination & control, telecommunications, space structures, rocket propulsion, and spacecraft systems.

Prerequisite(s): MATH 238 and AEM 311

**AEM368 Flight Mechanics**

Hours 3

This course is a combination of aircraft performance and static flight mechanics. Aircraft performance, including the straight and level flight, climb and glide, range and endurance, takeoff and landing, turning, performance testing, is introduced for propeller-driven and jet-engine aircraft. Flight mechanics deals with the trim and static stability of aircraft for steady flight conditions, based on the aerodynamic coefficients and stability derivatives derived from the aerodynamic build-up of complete aircraft.

Prerequisite(s): MATH 237 and MATH 238 and AEM 264 and AEM 311 and (AEM 249 or CS 100 or CS 110 or (RRS 101 and RRS 102))

**AEM402 Integrated Aerospace Design I**

W

Hours 3

Project planning and preliminary design techniques for an aerospace system. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): AEM 313 and AEM 341 and AEM 360 and AEM 368 and AEM 413 or AEM 513

Prerequisite(s) with concurrency: AEM 408 or AEM 508

Writing

**AEM404 Integrated Aerospace Design II**

Hours 3

Detailed design of aircraft or space vehicles, including weight and balance, power plant selection, exterior layout, performance, stability, and control. Involves group efforts on selected projects.

Prerequisite(s): AEM 402

**AEM408 Propulsion Systems**

Hours 3

Principles of air-breathing jet engines (turbohaft, turboprop, turbojet, ramjet, scramjet) and their applications, aircraft engine matching, introduction to rocket propulsion principles.

Prerequisite(s): AEM 413

**AEM413 Compressible Flow**

Hours 3

Dynamics of compressible fluids: shock waves, one-dimensional flow, expansion waves in two-dimensional flow and compressible flow over aerodynamic bodies.

Prerequisite(s): AEM 311 and ME 215

**AEM414 Experimental Aerodynamics**

Hours 3

This course provides a laboratory counterpart to concepts discussed in aerodynamics and fluid mechanics. Course topics include statistical and uncertainty analysis techniques, design of experiments, computer-based data-acquisition, sensors for fluid mechanic measurements, and aerodynamic measurement techniques and facilities.

Prerequisite(s): AEM 313

**AEM415 Micro-Aerial Vehicles (MAVs)**

Hours 3

This course surveys topics related to micro air vehicles (MAVs). These are small, flying vehicles generally classified by a maximum length of 15 cm. It is intended to be interdisciplinary in nature, involving seniors and first-year graduate students from different engineering academic departments.

Prerequisite(s): instructor approval

**AEM416 Helicopter Theory**

Hours 3

Critical examination of the propulsive airscrew, including induced velocity relations, flow patterns, and similarity. Practical applications are approached through existing theory and practice.

Prerequisite(s): MATH 238 and AEM 264 and AEM 311

**AEM417 Aircraft Systems**

Hours 3

The principal objective of this course is to establish, develop, and refine capability in the integrated analysis and interdependency of aircraft systems.

Prerequisite(s): AEM 468 or ECE 475 or ME 475

**AEM420 Computational Fluid Dynamics**

C

Hours 3

Introduction to basic mathematical concepts and engineering problems associated with numerical modeling of fluid systems. Application of the state of the art numerical models to engineering problems. Fundamentals of Finite Difference and Finite Volume Methods and their applications in fluid dynamics and heat transfer problems will be covered. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): AEM 311 and (ME 349 or AEM 349), and MATH 238

Computer Science

**AEM425 Spacecraft Dynamics and Control**

Hours 3

Formulate, understand, and apply rigid body dynamics to a spacecraft. Determine the orientation of the spacecraft. Demonstrate the ability stabilize a spacecraft (gravity gradient, momentum-bias, spin stabilization). Perform analytic and numerical analysis to understand its behavior.

Prerequisite(s): MATH 237 and AEM 264 and AEM 360 and (AEM 349 or ME 349)

**AEM428 Space Propulsion**

Hours 3

This course introduces the student to analyses of space and launch-vehicle propulsion and design. Topics covered include mono-propellant, bi-propellant solid and liquid rockets, nuclear rocket, and cold-gas thruster designs. Other advanced schemes such as solar and laser propulsion are also introduced.

Prerequisite(s): AEM 408

**AEM446 Intermediate Solid Mechanics**

Hours 3

Introduction to plane elasticity, failure theories, energy methods, thick walled cylinders and spinning disks, shear center and of unsymmetrical bending of beams, curved beams, beams on elastic foundations, torsion of non-circular cross-sections, thick-walled pressure vessels and other topics.

Prerequisite(s): AEM 250

**AEM448 Stochastic Mechanics**

Hours 3

This course develops, analyzes and discusses the application of uncertainty quantification in engineering systems and design methodologies to include uncertainties in the systems. Topics include: classification of uncertainties and methods of quantification, perturbation approaches, polynomial chaos, sampling techniques, random processes and Bayesian analysis.

Prerequisite(s): MATH 238

**AEM451 Aircraft Structural Design**

Hours 3

Design of tension, compression bending, torsion, and stiffened panel members. Analytical investigation involving aircraft structural components.

Prerequisite(s): AEM 341

**AEM452 Composite Materials**

Hours 3

First exposure to composite materials. Focus on how heterogeneity/anisotropy in composites influence thermomechanical behavior. The behavior of both continuous and short fiber reinforced composites will be emphasized. Stress analysis for design, manufacturing processes and test methods of composite materials will be covered.

Prerequisite(s): AEM 250 and AEM 341 or CE 331 or ME 350

**AEM453 Multiscale Analysis of Advanced Composites**

Hours 3

Concepts of multiscale analysis, nano-mechanics, micromechanics - principles of Analysis of heterogeneous systems, information transfer between multiple spatial and temporal scales, included atomistic-to-continuum coupling, continuum-to-continuum coupling, and temporal bridging.

Prerequisite(s): AEM 250

**AEM455 Nondestructive Evaluation**

Hours 3

Fundamental theories, limitations and instrumentation of nondestructive test methods used for metal, polymer and composites materials. The ultrasonic, acoustic emission, vibration, thermography, eddy current, penetrant, and radiography methods are emphasized.

Prerequisite(s): MATH 238, and PH 105 or PH 125

**AEM461 Computational Methods for Aerospace Structures**

C

Hours 3

Development of the fundamentals of the finite-element method from matrix and energy methods. Use of the finite-element method for detailed design of aerospace structures. Modeling techniques for static and dynamic analyses. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MATH 227 or MATH 247, AEM 341 and (AEM 349 or ME 349)

Computer Science

**AEM468 Flight Dynamics & Control**

Hours 3

Flight vehicle equations of motion, trimmed steady flight, linearized aircraft equations of motion, dynamic response, transfer functions, state-space representation, stability analysis, stability margins, feedback control, stability augmentation systems, PID control, loop-shaping control, cascade-loop control, attitude control, line-following guidance.

Prerequisite(s): AEM 249 or CS 100 or CS 110 or (RRS 101 and RRS 102), (AEM 349 or ME 349), and AEM 368

**AEM469 Orbital Mechanics**

Hours 3

Introduction to engineering application of celestial mechanics; to formulate, understand, and apply fundamentals in orbital mechanics to trajectory design process. Perform analytic and numerical analysis to understand its behavior. Kepler's laws, coordinate transformations, and related studies.

Prerequisite(s): MATH 237 and MATH 238 and AEM 264 and (AEM 349 or ME 349) and AEM 360



**AEM470 Mechanical Vibrations**

Hours 3

Free and forced vibrations, both undamped and damped. Systems with many degrees of freedom are formulated and analyzed by matrix methods. Experimental techniques of vibration measurement are introduced.

Prerequisite(s): AEM 264 and MATH 238 and AEM 250

**AEM474 Structural Dynamics**

Hours 3

Study of dynamic behaviors of elastic structures (interaction of elastic and inertial forces) with emphasis on aeronautical applications. Introduction of concepts and tools used in structural dynamics, including the Newtonian and variational methods. Basic numerical integration schemes to solve time-domain responses of elastic structures.

Prerequisite(s): AEM 264 and MATH 237 and MATH 238 and AEM 341

**AEM475 Fundamentals of Aeroelasticity**

Hours 3

Study of fluid-structure interactions between aerodynamic loads and static and/or dynamic deformations of flexible wings, as well as the influence of the interactions on aircraft performance. Concepts such as divergence, buffeting, and flutter, and rejection of external disturbances (e.g., gust alleviation) are introduced.

Prerequisite(s): AEM 313 and AEM 474

**AEM482 Space Systems**

Hours 3

Concepts in systems engineering of space systems: systems engineering, space systems, satellites, space transportation systems, space environment, attitude determination and control, telecommunications, space structures, rocket propulsion, and spacecraft systems.

Prerequisite(s): AEM 360

**AEM484 Space Environment**

Hours 3

This course provides an introduction to the effects of the space environment on spacecraft. The harsh space environment introduces several unique challenges to the spacecraft designer. Focus on the impact of this environment and how best to mitigate these effects through early design choices will give the satellite designer better tools. Topics include: geomagnetic field, gravitational field of the Earth, Earth's magnetosphere, vacuum, solar UV, atmospheric drag, atomic oxygen, free and trapped radiation particles, plasma, spacecraft charging, micrometeoroids.

Prerequisite(s): AEM 360

**AEM488 Advanced Space Propulsion and Power**

Hours 3

This course will explore concepts, theory, and performance of electrical, nuclear, and exotic space propulsion systems for use in space. This exploration will include fundamental physical processes exploited by these propulsion schemes. The course will also include concept, theory and performance of power generation methods in space. Systems studied will include low and high power systems intended for short term or long term applications. Thermal, solar and nuclear devices and the energy conversion means for converting energy from these sources into useful electrical power will be studied.

Prerequisite(s): AEM 311

**AEM489 Space Law**

Hours 3

Discussion-based course that provides an examination of legal and ethical issues regarding outer space. Topics discussed include: the historical development of international and domestic space law; international treaties, principles, and resolutions; specific issues relevant to contemporary space law; and US statutes governing space flight and resources.

Prerequisite(s): AEM 360

**AEM491 Special Problems**

Hours 1-6

Assigned problems are explored on an individual basis. Credit is based on the amount of work undertaken.

**AEM492 Special Problems**

Hours 1-6

Assigned problems are explored on an individual basis. Credit is based on the amount of work undertaken.

**AEM495 Senior Seminar**

W

Hours 3

Selected topics from recent developments in the aeronautical and space engineering fields. There are visiting lecturers and extensive student participation. Several nontechnical topics of immediate interest to seniors are explored. Each student must complete a personal resume. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s) with concurrency: AEM 402

Writing

**CE121 Intro Civil Constrctn Envir Eg**

Hours 1

Introduce the student to the areas of professional, civil and environmental engineering practices with exposure to faculty members specializing in each area, solving typical problems in each professional area, learning of the activities of service organizations, and the responsibilities of professional practice.

**CE220 Society Infrastruct & Environm**

Hours 3

Permitting, environmental impact statements and other environmental issues associated with human activities and engineering projects.

**CE260 Civil & Construction Surveying**

Hours 2

Precise measurement of lengths, angles, areas, and elevations in geodetic systems; computation of construction control, including highway alignment and land areas.

Prerequisite(s): (ENGR 161 or ENGR 171 or ART 131) and MATH 115 or (MATH 112 and MATH 113) or ACT 30 or SAT 680 or PLMA 440 or PLAC 565

**CE262 Civil & Constructn Engr Matls**

Hours 3

Introduction to the engineering properties of structural materials, including steel, wood, aggregate, concrete and asphalt, including experimental testing procedures and interpretation of results.

Prerequisite(s): AEM 201 or ESM 201; and

Prerequisite(s) with concurrency: AEM 250

**CE270 Field Studies in Water and Climate**

N

Hours 4

Water is one of the most abundant, yet most precious, natural resources on Earth. Processes occurring within and across many geosystems determine water's movement and properties. This course explores how components of Earth's water and climate systems operate and are linked through a combination of lecture and experiential field/lab activities.

Fieldtrips and lab activities are designed to expose students to standard and innovative techniques used by engineers and geoscientists to understand water and climate systems, including map interpretation, glacial mass balance analysis, and dendrochronologic (tree ring measurement) analysis to obtain river flow and flood information.

Fieldtrips will also help students better understand how humans modify water systems, through processes such as river regulation. Students will reside in Innsbruck (Austria) [with daytrips to King Ludwig II's castles in Bavaria, Stubaier Glacier in Austria, and Bolzano, Italy] and Munich (Germany).

Natural Science

**CE320 Intro Environmental Engineerg**

Hours 3

Introduction to the scientific and engineering principles needed to analyze and solve environmental engineering problems in the practice of environmental engineering related to air, water and waste water management.

Prerequisite(s): CH 101 OR CH 117 min grade of C-

Prerequisite(s) with concurrency: AEM 311 and CHE 304

**CE331 Intro to Structural Eng.**

Hours 3

Introduction and principles of structural analysis of determinate and indeterminate structures. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): AEM 250 and CE 262

**CE340 Geotechnical Engineering**

C, W

Hours 4

Static and dynamic interaction of soil and water; theories of stress distribution, consolidation, strength and failures; stability of soil structures. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CE 262 and AEM 250

Computer Science, Writing

**CE350 Intro. to Transportation Eng**

Hours 3

An introduction to different modes of transportation with emphasis on roadway and traffic engineering. Topics include transportation economics and planning, highway geometric and pavement design, drainage, construction, traffic control devices, traffic operations, and management and highway capacity analysis.

Prerequisite(s): CE 260 GES 255

**CE366 Introduction to Construction Engineering**

Hours 3

Applying engineering economic principles to construction and engineering problems; construction management processes and methods in planning, scheduling, and monitoring engineering projects.

Prerequisite(s): CE 262

**CE378 Water Resources Engineering**

Hours 3

Mechanics of steady and unsteady flow in closed and open conduits, hydrology; water supply and wastewater disposal.

Prerequisite(s): Dynamics (AEM 264) and Fluid Mechanics (AEM 311); or Fluid Flow Operations (CHE 304)

**CE401 Capstone Design Site Development: Civil Engineering**

C, W

Hours 4

Students use of software to design site projects in teams, prepare construction drawings and deliver engineering reports. This class is normally taken during the last term on campus. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Computer proficiency is required for a passing grade in the course. A student who does not display computer upper-division student skills with Civil 3D and HEC-HMS will not earn a passing grade, no matter how well the student performs in the other areas of the course.

Prerequisite(s): CE 320, CE 331, CE 340, CE 350, CE 366, and CE 378

Prerequisite(s) with concurrency: 1 of ((CE 461 or CE 561) OR (CE 458 or CE 558) OR (CE 424 or CE 524) OR (CE 475 or CE 575) OR (CE 451 or CE 551)) and and AND and and 1 of ((CE 424 or CE 524) OR (CE 425 or CE 525) OR CE 433 OR CE 434 OR (CE 451 or CE 551) OR (CE 458 or CE 558) OR (CE 459 or CE 559) OR (CE 461 or CE 561) OR (CE 462 or CE 562) OR (CE 475 or CE 575))

Computer Science, Writing

**CE402 Capstone Design Site Development: Construction Engineering**  
*C, W*

Hours 4

Students use software to design projects in teams, prepare construction drawings and deliver engineering reports. Writing proficiency within this discipline and computing proficiency are required for a passing grade in this course. Computer proficiency is required for a passing grade in the course. A student who does not display computer upper-division student skills with Civil 3D and HEC-HMS will not earn a passing grade, no matter how well the student performs in the other areas of the course.

Prerequisite(s): CE 340 AND CE 366 AND CE 331

Prerequisite(s) with concurrency: CE 461 OR CE 561 and AND and CE 468 OR CE 568 and AND and CE 433 OR CE 434

Computer Science, Writing

**CE403 Capstone Design Building Systems: Civil Engineering***C, W*

Hours 4

Students use software to design building projects in teams, prepare construction drawings and deliver engineering reports. The course is normally taken during the last term on campus. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Computing proficiency is required for a passing grade in this course. All students will use the software program Revit to model their design project.

Prerequisite(s): CE 331 and CE 340 and 3 of (CE 320, CE 350, CE 366, CE 378) and (CE 433 OR CE 434)

Prerequisite(s) with concurrency: ONE of the following: (CE 424 OR CE 524) or (CE 425 OR CE 525) or and CE 433 or CE 434 or (CE 451 OR CE 551) or (CE 458 OR CE 558) or (CE 459 OR CE 559) or (CE 461 OR CE 561) or (CE 462 OR CE 562) or (CE 475 OR CE 575)

Computer Science, Writing

**CE404 Capstone Design Building Systems: Construction Engineering***C, W*

Hours 4

Students use software to design building projects in teams, prepare construction drawings and deliver engineering reports. The course is normally taken during the last term on campus. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Computing proficiency is required for a passing grade in this course. All students will use the software program Revit to model their design project. A Revit assignment and test will be given during the semester.

Prerequisite(s): CE 340 AND CE 366 AND CE 331 AND (CE 433 OR CE 434)

Prerequisite(s) with concurrency: CE 462 OR CE 562 and AND and CE 468 OR CE 568

Computer Science, Writing

**CE405 Capstone Design Site Development: Environmental Engineering**  
*C, W*

Hours 4

Students use of software to design site projects in teams, prepare construction drawings and deliver engineering reports. This class is normally taken during the last term on campus. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Computer proficiency is required for a passing grade in the course. A student who does not display computer upper-division student skills with Civil 3D and HEC-HMS will not earn a passing grade, no matter how well the student performs in the other areas of the course.

Prerequisite(s): CE 320 AND CE 340 AND CE 378

Prerequisite(s) with concurrency: CE 425 OR CE 525 and AND and CE 424 OR CE 524 and AND and CE 475 OR CE 575

Computer Science, Writing

**CE406 Capstone Design Building Systems: Architectural Engineering***C, W*

Hours 4

Students use software to design building projects in teams, prepare construction drawings and deliver engineering reports. The course is normally taken during the last term on campus. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Computing proficiency is required for a passing grade in this course. All students will use the software program Revit to model their design project.

Prerequisite(s): CE 340 AND CE 366 AND CE 331

Prerequisite(s) with concurrency: CE 462 OR CE 562 and AND and CE 433 and AND and CE 434

Computer Science, Writing

**CE414 Information Systems Design**

Hours 3

An overview of management information systems (MIS). The course will focus on the practical aspects, applications and methodology of MIS, particularly from the construction engineer's perspective. Information design methodology and building information modeling (BIM) will be covered in detail.

Prerequisite(s): CE 366

**CE415 Transportation Data Science**

Hours 3

The course will provide basic examination of processing and analyses of large-scale transportation-related data. The course will prepare the students with programming skills in Python, the understanding of important algorithms and machine learning methods in transportation research and projects, and applying these algorithms and models using transportation data.

Prerequisite(s): CE 350

Prerequisite(s) with concurrency: MATH 227

**CE417 Advanced Project Management**

Hours 3

This is an engineering management course designed to introduce students to the functions of project engineering and managers. It details the processes of planning and controlling project scope time and cost.

Prerequisite(s): CE 366 or IE 203

Prerequisite(s) with concurrency: GES 255

**CE418 Engineering Management**

Hours 3

An introduction to management principles and the management functions of planning, organizing, motivating and controlling. Management of engineers in research, design, manufacturing/ construction and quality will be studied.

Prerequisite(s): CE 366

**CE420 Environmental Measurements**

Hours 3

Environmental Engineering phenomena are explored through conducting laboratory experiments, selecting analytical protocols to achieve an objective, evaluating collected data sets, and discussing the results in well written reports. The course is composed of classroom lectures/ discussions and weekly laboratory activities.

Prerequisite(s): CE 320 and CE 378 and GES 255

**CE422 Solid And Hazardous Waste Mgt**

Hours 3

Engineering and regulatory requirements for the collection, storage, recycling, treatment and disposal of solid wastes.

Prerequisite(s): CE 320

**CE424 Water And Wastewater Treatment**

Hours 3

Physical, chemical and biological principles and design of municipal water and wastewater treatment units.

Prerequisite(s): CE 320

**CE425 Air Quality Engineering**

Hours 3

This is an introductory course in Air Quality Engineering. We have to major foci. The first is to understand and evaluate our air resources and air quality (as related to human and environmental health) in terms of fundamental principles and design processes. The second is to introduce the student to a variety of air pollution issues and engineered treatment processes.

Prerequisite(s): AEM 311 or CHE 304; and CE 320

**CE426 Groundwater Mechanics**

Hours 3

To understand the physics and theoretical principles of groundwater flow and transport processes, and apply this knowledge for solving practical groundwater flow and transport problems.

Prerequisite(s): MATH 227 and AEM 311

**CE430 Non-Destructive Evaluation and Testing of Civil Engineering Structures**

Hours 3

This course covers the state-of-the-art and state-of-the-practice methods of non-destructively evaluating and testing various civil engineering structures and materials such as concrete, asphalt, and steel. Students will use the techniques to solve real-world problems by evaluating and testing various structures across campus.

Prerequisite(s) with concurrency: CE 340 or CE 331

**CE432 Matrix Analysis of Structures**

Hours 3

Introduction to the matrix-displacement method of analysis for framed structures, including computer implementation of analysis. An introduction to finite-element analysis is also included.

Prerequisite(s): CE 331

**CE433 Reinf Concrete Struct I**

Hours 3

Concrete materials, placement of concrete and theory and design of reinforced beams, girders, slabs, columns and footings.

Prerequisite(s): CE 331

**CE434 Structural Steel Design I**

Hours 3

Theory and design of structural steel members and their connections.

Prerequisite(s): CE 331

**CE435 Concrete Materials**

Hours 3

Portland cement and supplementary cementitious materials, aggregates, properties of fresh and hardened concrete, concrete durability issues, mixture proportioning, concrete construction methods, special concrete materials, test methods.

Prerequisite(s): CE 331 or CE 340

**CE436 Wood Structural Design**

Hours 3

Modern timber engineering: design of beams, columns, trusses and floor systems.

Prerequisite(s): CE 331

**CE437 Reinforced Concrete Struct II**

Hours 3

Design of reinforced concrete building components including two-way slabs, slender columns, prestressed beams, slap-on-grade and retaining walls.

Prerequisite(s): CE 433

**CE438 Struct Steel Design II**

Hours 3

Basic and elementary design procedures for steel structures such as plate girders, mill buildings, multistory buildings, highway bridges and light-gauge steel structures.

Prerequisite(s): CE 434

**CE439 Design of Wood and Masonry Structures**

Hours 3

Design of wood and masonry components and subassemblies for low-rise residential and commercial buildings according to current design specifications.

Prerequisite(s): CE 331

**CE442 Waste Containmnt Facility**

Hours 3

Introduction to the fundamentals of soil behavior as they relate to environmental engineering. Topics include soil behavior, soil compaction, conduction phenomena, geosynthetics and aspects of landfill design.

Prerequisite(s): CE 340 and CE 320

**CE444 Foundation Engineering**

Hours 3

Analysis and design of soil foundation systems.

Prerequisite(s): CE 340

**CE451 Roadway and Intersection Design**

Hours 3

Application of the principles of geometric design and traffic signal layout: vertical and horizontal alignment, intersections, traffic control, and traffic signal layout. Design projects will be prepared to illustrate standard techniques.

Prerequisite(s): CE 350

**CE454 Urban Transportation Planning**

Hours 3

The course will provide a foundation in urban transportation planning, including an introduction to the planning process, software associated with transportation modeling and conducting transportation planning and traffic impact studies.

Prerequisite(s): CE 350

**CE458 Traffic Engineering**

Hours 3

Vehicle operating characteristics, traffic flow, geometric design of road and intersections, and methods of traffic control.

Prerequisite(s): CE 350

**CE459 Pavement Design and Rehabilitation**

Hours 3

This course covers two major areas of asphalt and concrete pavements: pavement thickness design and pavement maintenance. Topics include pavement design by the Asphalt Institute and AASHTO methods. Major maintenance will cover overlay design and slab repair, while routine maintenance will cover distress surveys, pothole repair, and crack and joint sealing.

Prerequisite(s): CE 350 or CE 366

Prerequisite(s) with concurrency: CE 340

**CE461 Horizontl Construction Methods**

Hours 3

Introduction to horizontal construction equipment and methods, design of horizontal construction systems and construction operation analysis and simulation.

Prerequisite(s): CE 366

Prerequisite(s) with concurrency: CE 340

**CE462 Vertical Construction Methods**

Hours 3

Introduction to vertical construction equipment and methods, design of vertical construction systems and construction operation analysis and management processes.

Prerequisite(s): CE 366

Prerequisite(s) with concurrency: CE 331

**CE463 Construction Cost Estimating**

Hours 3

Addresses the estimating and cost control function from conceptual planning through project execution. Topics include productivity analysis, organization of estimates, cost forecasting, estimating tools and techniques, contingency planning, and relationship to contract types and project execution strategies.

Prerequisite(s): CE 366

**CE464 Safety Engineering and Management**

Hours 3

An introduction to safety management and accident prevention, including state and federal laws related to general and construction projects. Topics include accident theories, safety regulations, Construction Safety act, hazards and their control, human behavior and safety and safety management.

Prerequisite(s): GES 255 and CE 366

**CE466 Sustainable and Lean Construction**

Hours 3

An introduction to sustainable and lean construction, including application of engineering economics principles to sustainable construction problems. Green design, construction, and operations from a project management standpoint. Theoretical concepts and industry practices used to model, evaluate, and enhance construction performance through the design and implementation of effective project schedules, construction operations, and contracting relationships.

Prerequisite(s): CE 366

**CE467 Constr. Accounting & Finance**

Hours 3

Financial management of construction projects. Topics include alternative selection, life-cycle analysis, applied financial management techniques, insurance/indemnification, risk management and tax implications.

Prerequisite(s): CE 366

**CE468 Construction Scheduling**

Hours 3

The management structure of construction companies and the laws, regulations, practices, tools and processes used in planning, scheduling and monitoring construction projects. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): CE 366

**CE470 Water Resources in the European Alps**

Hours 4

The course focuses on statistical hydrology, climate, dendrohydrology (tree rings) and glaciers. The classroom lectures and in-class labs include the use of statistical software to analyze hydrologic datasets, the use of remote imagery to evaluate glacier recession, application of empirical equations to estimate glacier mass loss, evaluation of hydrologic (streamflow, snowpack) and climatic datasets, developing skeleton plots and cross dating tree-ring data, and seminars. The field labs consist of hand coring and analyzing tree ring data.

Prerequisite(s): Sophomore status, 2.5 GPA, CE 378

**CE471 Open Channel Flow**

Hours 3

Basic concepts of fluid flow, energy and momentum principles, flow resistance in nonuniform sections, channel controls and transitions, and nonuniform flow computations.

Prerequisite(s): CE 378

**CE475 Hydrology**

Hours 3

Hydrologic cycle, rainfall-runoff relations, unit hydrograph, statistical hydrology and hydrologic simulation. Includes a class project with application to flood control, water supply and multipurpose projects.

Prerequisite(s): CE 378

**CE476 Process Hydrology**

Hours 3

This course develops a quantitative approach to understanding and prediction of hydrologic processes. The processes covered include interception, snowmelt, evapotranspiration, infiltration, groundwater flow, overland flow, and streamflow. Relative (dis-)advantages of different model representations will be highlighted. Process couplings and their impact on the integrated hydrologic response will be also discussed.

Prerequisite(s): CE 378

**CE480 Forensic Engineering**

Hours 3

When failures in the built environment occur, whether during design, construction or in-service, a thorough examination of the causes is essential to both the evolution sound engineering practices and to dispute resolution through the legal system. The role of the engineer in this process is examined.

**CE481 Legal Aspects of Engineering and Construction**

Hours 3

Legal aspects of engineering and construction contracts and specifications; contract formation, interpretation, rights and duties, and changes; legal liabilities and professional ethics of architects, engineers and contractors. Writing proficiency within this discipline is required for a passing grade in this course. This is a three hour survey course covering, primarily, the organization of the federal and state courts, construction contracting, potential tort liability and professionalism for engineers in Alabama.

Prerequisite(s): CE 320, CE 331, CE 340, CE 350, CE 366 or CE 378, and one HU elective (3 credits)

**CE485 Const. Site Erosion Control**

Hours 3

Nature and magnitude of erosion problems. Erosion plan development. Rainfall energy and erosion predictions. Sediment transport in urban areas. Channel and slope stability. Sedimentation and other controls.

Prerequisite(s): CE 378

**CE486 GIS for Civil Engineers**

Hours 3

Introduction to geographic information system design and use for civil engineering problem solving.

Prerequisite(s): CE 260 and any CE 300 Level Course

**CE491 Special Topics in Civil Engineering**

Hours 1-4

Credit is based on the amount of work undertaken. This course is presents developing topics in the Civil Engineering disciplines including: transportation systems, processes and model; site development; architectural & building systems; advances in civil engineering materials and structural design; environmental analysis, modeling, or processes; hydrologist processes, models and water resources advances; next generation construction engineering; sustainability and resilient infrastructure systems.

Prerequisite(s): CE 262 AND One of the following: CE 320, CE 331, CE 340, CE 350, CE 366, CE 378

**CE492 Independent Study in Civil Engineering Sub-Disciplines**

Hours 1-4

Independent study, either as individual students or a group of five students or less working under the guidance and mentorship of an instructor. The independent study will typically focus on: (1) a specific issue, problem, application, design or process in a traditional field of civil engineering OR (2) a specific development, advancement, issue, problem, or challenge in a new or developing specialty area in the fields of civil engineering.

**CE498 Undergraduate Research Experience**

Hours 1-6

Conduct research under the guidance of a faculty member. Analyze data. Produce and present, submit or publish related scholarly work.

Prerequisite(s): CE 320 or CE 331 or CE 340 or CE 350 or CE 366 or CE 378, and Permission of a department faculty member (research advisor)

**CHE125 Introduction To Chemical Engineering**

Hours 1

An introduction to the chemical engineering profession, its history and its career-enabling potential. The course contains selected topics, and alumni seminars covering the full range of career opportunities from emerging areas (nanotechnology, biochemical, multifunctional materials) to those found in the more traditional positions within the chemical, petrochemical and petroleum industries.

**CHE254 Chemical Engineering Calculations**

Hours 4

Study of physical and chemical processes and chemical reactions; material and energy balance calculations for single-phase and multiphase systems; simultaneous energy and material balances. Offered fall and spring.

Prerequisite(s): CH 101 or CH 117; and MATH 125 or MATH 145; AEM 121 or AEM 131 or CE 121 or ECE 121 or ENGR 111 or ME 121 or MTE 121 or EE 121 or CS 121

Prerequisite(s) with concurrency: CHE 125

**CHE255 Chemical Engineering Thermodynamics**

C

Hours 4

The backbone of thermodynamics theory is based on ideal gas and structured as following: First, establish theory/property model ideal gas pure substance, use ideal gas model to describe real gas by introduce residual property; Second, use theory/property model ideal gas mixture to describe real gas mixture by residual property and partial property; Third, establish theory/property of model ideal solution, use it to describe real solution mixture with excessive property. Computer proficiency is required for a passing grade in this course. Offered fall and spring.

Prerequisite(s): ENGR 103 or ENGR 123 and CHE 254 and MATH 126 or MATH 146

Prerequisite(s) with concurrency: MATH 238

Computer Science

**CHE304 Fluid Flow Operations**

Hours 3

Equations of momentum and energy transport and their applications to the analysis of fluid process behavior, filtration, fluidization and metering of fluids.

Prerequisite(s): CHE 254 and MATH 126 or MATH 146 and PH 105

**CHE305 Separation Processes**

C

Hours 3

Unified approach to the basic calculations and fundamental concepts involved in the design of equilibrium-stage separations processes and continuous contacting equipment. Computer proficiency is required for a passing grade in this course.

Prerequisite(s): CHE 255

Computer Science

**CHE306 Heat Transfer Operations**

Hours 3

Study of heat transfer and its application in the design of specific processes and process equipment.

Prerequisite(s): CHE 254, MATH 238, and CHE 304

Prerequisite(s) with concurrency: CHE 304

**CHE321 Basic Chemical Engineering Laboratory**

W

Hours 2

Basic chemical engineering measurements are made, including temperature, pressure, concentration, and fluid flow. Fundamental and empirical equations are used to analyze mass, energy, and momentum transport. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered both fall and spring semesters.

Prerequisite(s): CHE 255, CHE 304

Writing

**CHE322 Unit Operations Laboratory**

W

Hours 2

Performance tests on chemical engineering unit operations, such as distillation and heat transfer, are designed, operated, and analyzed in a formal report. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered fall and spring semesters. Successful completion of CHE 321 and CHE 322 satisfies the curriculum requirement of CHE 323.

Prerequisite(s): CHE 304 and CHE 305 and CHE 306 and CHE 321

Writing

**CHE323 Operations Laboratory**

W

Hours 4

Performance tests on chemical engineering unit operations, such as distillation and heat transfer, are designed, operated, and analyzed in a formal report. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered summer only. Can be replaced by successful completion of CHE 321 and CHE 322.

Prerequisite(s): CHE 304 and CHE 305 and CHE 306

Writing

**CHE324 Transport Phenomena***C*

Hours 3

This course will give junior & senior level students a working knowledge of conservation equations for mass, momentum and energy with application to steady-state chemical processes. Computer proficiency is required for a passing grade in this course.

Prerequisite(s): CHE 255 and MATH 238 and CHE 304

Computer Science

**CHE325 ChE Honors Forum***UH*

Hours 1

Designed to expose students to the rich array of resources, ideas and experiences of chemical engineering. Emphasis and content based on faculty member's area of expertise.

University Honors

**CHE354 Chemical Reactor Design**

Hours 3

Reaction rate equations and comparisons with experimental data; use of rate information for the design of chemical reactors. Offered primarily in the spring semester.

Prerequisite(s): CHE 255, MATH 238

**CHE412 Polymer Materials Engineering**

Hours 3

Introduction to the manufacture, processing and applications of organic polymeric materials. This course covers the chemistry of polymer manufacture, the molecular structures of polymers, and the structure-property relationships for thermoplastic and thermosetting polymers. Offered primarily in the spring semester.

Prerequisite(s): CH 102 or CH 118

**CHE413 Honors Polymer Materials Engineering***UH*

Hours 3

Introduction to the manufacture, processing and applications of organic polymeric materials. This course covers the chemistry of polymer manufacture, the molecular structures of polymers, and the structure-property relationships for thermoplastic and thermosetting polymers. Honors designation.

Prerequisite(s): CH 102 or CH 118

University Honors

**CHE414 Computer Methods in Chemical Engineering**

Hours 3

A survey of common software, data processing, and statistical analysis tools applied to chemical engineering, science, and general interest topics. This course covers the fundamentals of computer programming (coding) and problem solving for chemical engineering students.

Prerequisite(s) with concurrency: CHE 354

**CHE415 Honors Computer Methods in Chemical Engineering***UH*

Hours 3

A survey of common software, data processing, and statistical analysis tools applied to chemical engineering, science, and general interest topics. This course covers the fundamentals of computer programming (coding) and problem solving for chemical engineering students. Honors designation.

Prerequisite(s) with concurrency: CHE 354

University Honors

**CHE416 Stem Cell Bioengineering**

Hours 3

Introduction to stem cell biology and bioengineering approaches for stem cell-based therapy and related applications. This course will provide special emphasis on the application of chemical engineering skills to bioengineering and development of stem cell-based therapy and diagnostics.

Prerequisite(s): CHE 255 or CHE 418 or CHE 445 or BSC 300 or CH 461

**CHE417 Honors Stem Cell Bioengineering***UH*

Hours 3

Introduction to stem cell biology and bioengineering approaches for stem cell-based therapy and related applications. This course will provide special emphasis on the application of chemical engineering skills to bioengineering and development of stem cell-based therapy and diagnostics. Honors designation.

Prerequisite(s): CHE 255 or CHE 418 or CHE 445 or BSC 300 or CH 461

University Honors

**CHE418 Tissue Engineering**

Hours 3

Tissue Engineering is an emerging dynamic, experimental science in which engineering and biological science principles are used to develop techniques for improving or restoring the structure and function of tissue. Offered primarily in the fall semester.

Prerequisite(s): CH231 and (BSC 114 or 118)

**CHE419 Honors Tissue Engineering***UH*

Hours 3

Tissue Engineering is an emerging dynamic, experimental science in which engineering and biological science principles are applied to develop techniques for improving or restoring the structure and function of tissues and organs.

Prerequisite(s): CH 231 and BSC 114 or BSC 118

University Honors



**CHE440 Health & Safety In The Chemical Process Industry**

Hours 3

Health and safety in the chemical process industry that will introduce chemical engineering students to health and safety, regulations and the designs and procedures to meet them in the chemical process. Advanced topics will also be introduced, including current relevant topics such as recent accidents and ways and means of preventing a re-occurrence, advanced models of spills and advanced safety analysis. Senior standing required.

Prerequisite(s): CH 102 or CH 118, and CHE 255 and two of the following courses CHE 304, CHE 305, CHE 306, CHE 324, CHE 354

**CHE441 Honors Health and Safety in the Chemical Process Industry***UH*

Hours 3

Health and safety in the chemical process industry that will introduce chemical engineering students to health and safety, regulations and the designs and procedures to meet them in the chemical process. Advanced topics will also be introduced, including current relevant topics such as recent accidents and ways and means of preventing a reoccurrence, advanced models of spills and advanced safety analysis. The ChE 441/540 designation will allow ChE graduate students and qualified senior-level chemical engineering majors to take this course. Several loss prevention topics are more complex than typically assigned to the undergraduate chemical engineering students. Advanced topics may include recent accidents and ways and means of preventing a reoccurrence, advanced models of spills and advanced safety analysis. Greater analysis, synthesis and evaluation-of-knowledge skills will be required for students enrolled in ChE 441/540.

Prerequisite(s): CH 102 or CH 118, CH 255 and completed at least two courses from CHE 304, CHE 305, CHE 306, CHE 324, CHE 354

University Honors

**CHE445 Introduction to Biochemical Engineering**

Hours 3

Study of biological processes; application of chemical engineering skills to areas including enzyme kinetics, fermentation, cell growth and metabolic processes. Offered primarily in the spring semester.

Prerequisite(s): CH 231

**CHE446 Honors Intro to Biochemical Engineering***UH*

Hours 3

Study of biological processes; application of chemical engineering skills to areas including enzyme kinetics, fermentation, cell growth and metabolic processes. Offered primarily in the spring semester.

Prerequisite(s): CH 231

University Honors

**CHE481 Chemical Process Design I**

Hours 3

Technical and economic design of chemical processes and plants. It is required that students complete at least two 300-level ChE classes before enrolling in 481.

Prerequisite(s): CHE 255 plus at least two from CHE 305, CHE 306, CHE 324, CHE 354

**CHE482 Chemical Process Design II***W*

Hours 3

Optimal design of chemical processes and plants. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CHE 481 and CHE 354

Writing

**CHE491 Special Problems**

Hours 1-3

Research combined with practical application and testing. Credit is based on the amount of work undertaken. Students undertaking research project must obtain clearance from the supervising professor before registering.

**CHE492 Special Topics**

Hours 3

Various topics relevant to Chemical & Biological Engineering majors.

**CHE493 Process Dynamics & Control**

Hours 3

Development of model equations that describe the unsteady-state behavior of chemical processes; automatic control design and analysis emphasizing time-domain methods; introduction to digital computer control.

Prerequisite(s): CHE 255 and MATH 238

**CHE495 Undergraduate Honors Seminar***UH*

Hours 1

Presentation of research/practical study results before a group of peers (graduate students, other honors students, faculty and invited guests).

University Honors

**CHE496 Undergrad Honors Seminar***UH*

Hours 1

Presentation of research/practical study results before a group of peers (graduate students, other honors students, faculty, and invited guests).

University Honors

**CHE497 Honors Co-op/Internship**

UH

Hours 3

This course is designed to allow B.S. Chemical Engineering students to earn credit for work completed through a co-op, internship, research experience for undergraduates (REU) program or other approved activity external to UA. The course focuses on delivery of a presentation on the work completed in the activity with preparation of the presentation materials done with guidance from the instructor to ensure that material is suited to a freshman- or sophomore- level Chemical Engineering class. Students for this course must submit the ChBE Honors Co-Op/ Internship/REU Approval Form before the co-op/internship/REU period ends. Students are also required to receive approval by the ChBE Honors Program Chair prior to registration. Honors designation.

Prerequisite(s): Permission and approval by ChBE Honors Program Chair  
University Honors

**CHE498 Honors Special Problems**

UH

Hours 1-3

Credit is based on the amount of work undertaken. Research or practical study in a chemical engineering area, the outcome of which is a definite result presented in a report, paper, or manuscript. Instructor permission required.

University Honors

**CHE499 Honors Special Problems**

UH

Hours 1-3

Credit is based on the amount of work undertaken. Research, teaching assistantship, practical study, honors co-op or internship in a chemical engineering area, the outcome of which is a definite result presented in a report, paper, or manuscript. Instructor or Honors Chair permission required.

University Honors

**CS100 CS I for Majors**

Hours 4

A first course in programming for students majoring in computer science. Language concepts include primitives, variables, sequences, function, selection, iteration and recursion. Software engineering concepts include testing and debugging. System concepts include directories, paths, files, and text editing.

Prerequisite(s): (MATH 112 and MATH 113) or MATH 115 or UA ACT Subject Math Placement 565 or UA Placement Mathematics 440

Prerequisite(s) with concurrency: MATH 125 or MATH 126 or MATH 145 or MATH 146

**CS101 CS II for Majors**

C

Hours 4

A second course in programming for students majoring in computer science. Using a high-level language, students use object-oriented practices to study fundamental data structures and algorithms. Issues such as computability, problem complexity and algorithm analysis, efficient searching and sorting, data structures, and the object-oriented programming paradigm are introduced and explained. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): (CS 100 or CS 110 or RRS 102) and (MATH 125 or MATH 145)

Computer Science

**CS102 Computer Applications**

C

Hours 3

Familiarization with Windows, fundamental and intermediate word processing commands, spreadsheet applications, and database management. Computing proficiency is required for a passing grade in this course.

Computer Science

**CS104 Computer Science Principles**

C

Hours 3

An introductory course that overviews the core principles of computer science from a broad spectrum of topics. The course content is focused on computing and its relation to creativity, abstraction, algorithms, programming, Big Data, Internet/networking, and societal impact. Students will work on team-based projects that explore topics in Big Data, investigate the impact of the internet, and create their own games and/or smartphone applications. Students will use the graphical programming language Snap. Computing proficiency is required for a passing grade in this course.

Prerequisite(s) with concurrency: MATH 112 or MATH 115 or MATH 125 or MATH 126 or MATH 145 or MATH 146

Computer Science

**CS110 Honors CS I for Majors**

UH

Hours 4

This course covers the same material as CS 100 but in a depth appropriate for honors students. It is an honors version of the first course in programming for students majoring in computer science. Prior knowledge of programming is not required, but the course is appropriate for students with prior programming experience. Language concepts include primitives, variables, sequences, function, selection, iteration and recursion. Software engineering concepts include testing and debugging. System concepts include directories, paths, files, and text editing.

Prerequisite(s): (MATH 112 and MATH 113) or MATH 115 or UA ACT Subject Math Placement 565 or UA Placement Mathematics 440

Prerequisite(s) with concurrency: MATH 125 or MATH 126 or MATH 145 or MATH 146

University Honors

**CS111 Honors CSII for Majors**

UH

Hours 4

This course covers the same material as CS 101 but in a depth appropriate for honors students. It is an honors version of the second course in programming for students majoring in computer science. Using a high-level language, students use object-oriented practices to study fundamental data structures and algorithms. Issues such as computability, problem complexity and algorithm analysis, efficient searching and sorting, data structures, and the object-oriented programming paradigm are introduced and explained.

Prerequisite(s): (CS 110 or CS 100 or RRS 102) and (MATH 125 or MATH 145)

University Honors

**CS112 Digital Literacy**

C

Hours 3

This course is designed to help the students acquire various competencies that will enable them to safely and effectively use and create digital technologies and Internet resources in personal, academic, and professional contexts. Students will demonstrate their learning by creating a digital literacy portfolio. Computing proficiency is required for a passing grade in this course.

Computer Science

**CS121 The Discipline of Computing**

Hours 1

An introduction to the discipline of computing designed for students who are considering a major or minor in computer science.

Prerequisite(s): MATH 112 OR higher OR UA Math Placement Test Score of 370

Prerequisite(s) with concurrency: MATH 112

**CS140 Introduction to Cyber Security**

Hours 3

This course provides an introduction to cyber security. It covers fundamental concepts necessary to understand the threats to security as well as various defenses against those threats. The material includes an understanding of existing threats, planning for security, technology used to defend a computer system, and implementing security measures and technology.

Prerequisite(s): CS 100

**CS200 Software Design and Engineering**

C

Hours 4

Introduction to software engineering: the software crisis, program life cycle, software systems analysis techniques, software modeling, theory and practice of design, program testing methodologies, programmer team organization, and program verification and synthesis. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 101 or CS 111

Computer Science

**CS201 Data Structures and Algorithms**

C

Hours 4

Data structures including balanced search trees, heaps, hash tables, and graphs. Algorithm design techniques including divide-and-conquer, greedy method, and dynamic programming. Emphasis on problem solving, design, analysis, and reasoning about data structures and algorithms. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): (CS 101 or CS 111) and MATH 301

Computer Science

**CS202 Web Foundations**

C

Hours 3

Introduces the student to the fundamentals of the internet and web page design and development. Students will be shown how to use the internet, text editors, and build basic web pages using HTML coding. This will include, but not be limited to hyperlinks, tables, basic CSS styling, frames and forms. The student will also be given demonstrations and assignments using a WYSIWYG editor. Computing proficiency is required for a passing grade in this course.

Computer Science

**CS223 Introduction to Python Programming**

C

Hours 3

A course designed to introduce programming and problem solving using Python. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MATH 112 to MATH 499

Computer Science

**CS285 Intro to Spreadsheet Applications**

C

Hours 3

Use of spreadsheets and other environments to build business and scientific applications. Course includes development of problem-solving skills and an introduction to the object-oriented paradigm. Computing proficiency is required for a passing grade in this course.

Computer Science

**CS300 Operating Systems**

Hours 3

Study of basic operating system concepts with an emphasis on memory, processor, device, and information management.

Prerequisite(s): CS 200, CS 201

**CS301 Database Management Systems**

W

Hours 3

Constituent parts of database management (design, creation, and manipulation of databases), including the conceptual and relational data models, SQL, normalization and security. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): CS 200 and CS 201

Writing

**CS302 Database Applications**

C

Hours 3

An introduction to commercial database packages. Students will gain familiarity with both creating and using standard database software packages to solve real-world problems. Computing proficiency is required for a passing grade in this course.

Computer Science

**CS305 Advanced Database Applications and Design**

C

Hours 3

This course is a follow-up course to CS 302 for non-majors wishing to learn more about the design and use of database systems. Now that the underpinnings of data, data representation, and data visualization are in place from CS 302, students will undertake an investigation into the uses of data and the construction of and understanding of databases design principles. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 302 with a grade of C- or higher

Computer Science

**CS312 Website Design**

C

Hours 3

A course designed to teach website design principles and implementation techniques. The course requires prior knowledge of the fundamentals of the internet and web page design and development. This class is not cross-listed as a graduate course. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 202 with a grade of C- or higher

Computer Science

**CS323 Intermediate Python Programming**

C

Hours 3

A course designed to build upon topics from the Introduction to Python Programming course and introduces advanced programming and problem-solving topics using the Python language. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 223 or CS 322 or CS 100 or by permission of instructor

Computer Science

**CS340 Legal & Ethical Issues in Comp**

C

Hours 3

By way of case study, the course finds and frames issues related to legal and ethical issues in computing. Topics include privacy, free speech, intellectual property, security, and software reliability and liability issues. Computing proficiency is required for a passing grade in this course.

Computer Science

**CS345 Advanced Legal and Ethical Issues in Computing**

C

Hours 3

By way of case study and fact pattern analysis, we will find and frame advanced legal and ethical issues presented by past, contemporary and emerging technology. Cases and events will be examined. At the conclusion of the semester, students will be able to identify and discuss legal and ethical issues presented by technology. Students will create a seminal project showcasing their understanding of a chosen issue as well as the student's ability to use computing technology to communicate, share and display their work. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 340 with a grade of C- or higher

Computer Science

**CS347 Cyber Law and Ethics**

HU

Hours 3

We will analyze advanced legal and ethical issues confronting the usage of new technologies and how these issues impact society. We will examine past, contemporary and emerging cases that have a connection to computing technology. Human values and ethics will be at the forefront of our approach, and we will study the intersection of human values, law and professional ethics.

Prerequisite(s): CS 100 or CS 110 or CS 223 or CS 322

Humanities

**CS385 Advanced Spreadsheet Applications**

C

Hours 3

Design and construction of standard user interfaces using a visual programming environment. Course includes the prototyping of several standard user interface mechanisms. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 285 with a grade of C- or higher

Computer Science

**CS391 Special Topics**

Hours 3

Special topics in computing.

**CS393 Software Practicum**

Hours 3

Software development course designed to meet the needs of individual students. This course is specifically for students developing software for an enterprise, such as those at The Edge Incubator and Accelerator.

Prerequisite(s) with concurrency: CS 301

**CS403 Programming Languages**

Hours 3

Formal study of programming language specification, analysis, implementation, and run-time support structures; organization of programming languages with emphasis on language constructs and mechanisms; and study of non-procedural programming paradigms.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS404 CS Curriculum for Math Educators**

Hours 3

Building upon the concepts from CS 104, students will explore in-depth how computer science education is presented in the secondary education setting. Students will get the opportunity to explore current computer science curriculum and develop resources for future teaching, with a specific emphasis on the College Board's AP CS Principles (AP CSP) curriculum.

Prerequisite(s): CS 104

**CS407 Software Interface Design**

Hours 3

Basic concepts of human-computer interaction, including guidelines for interface design, evaluation of interface designs, virtual environments, menus, forms, natural language interactions, novel interaction devices, information search and information visualization.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS416 Testing and Quality Assurance**

Hours 3

Study of verification & validation and related processes. Topics include techniques and tools for software analysis, testing, and quality assurance.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS417 Requirements Engineering**

Hours 3

Study of requirements engineering and its phases. Topics include formal, semi-formal, and informal paradigms for elicitation, documentation, and management of software system requirements.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS420 Software Evolution**

Hours 3

Study of techniques and tools for design-time and run-time software adaptation, including principles of reflection and metaprogramming, software modularity, metamodeling and software language engineering.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS428 Computer Security**

Hours 3

An examination of computer security concepts, such as cryptographic tools, user authentication, access control, database security, intrusion detection, malicious software, denial of service, firewalls and intrusion prevention systems, trusted computing and multilevel security, buffer overflow, software security, physical and infrastructure security, human factors, and security auditing.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS434 Compiler Construction**

Hours 3

Syntax and semantics of procedure-oriented languages and translation techniques used in their compilation; includes computer implementation.

Prerequisite(s): CS 300, CS 301, and ECE 383

**CS435 Computer Graphics**

Hours 3

Fundamentals of interactive 3-D computer graphics, including modeling and transformations, viewing, lighting and shading, mapping methods, graphics pipeline, shading languages, and interaction techniques. Programming projects are required.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS438 Computer Comm & Networks**

Hours 3

The study of the issues related to computer communications. Topics include physical topologies, switching, error detection and correction, routing, congestion control, and connection management for global networks (such as the Internet) and local area networks (such as Ethernet). In addition, network programming and applications will be considered.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS442 Cryptography**

Hours 3

This course will cover algorithms and concepts in cryptography and data security. We will undertake an examination of algorithms and concepts in cryptography and data security, such as symmetric ciphers, asymmetric ciphers, public-key cryptography, hash functions, message authentication codes, key management and distribution, etc.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS443 Digital Forensics**

Hours 3

Digital Forensics is an area of study that is rapidly growing in importance and visibility. It involves preserving, identifying, extracting, documenting and interpreting digital data. Though sometimes misunderstood, digital forensics is like other types of investigation. With the continuous rise of computer-related incidents and crimes, and the increased emphasis on homeland defense in this country, there is a growing need for computer science graduates with the skills to investigate these crimes. This course will introduce the topics of computer crime and digital forensics. Students will be required to learn different aspects of computer crime and ways in which to uncover, protect and exploit digital evidence.

Prerequisite(s): CS 300, CS 301, and ECE 383

**CS444 Software Security**

Hours 3

This course is an introduction to software security principles and practices. Topics for this course will include but not be limited to security architectures, defensive programming, web security, secure information flow, and common software vulnerabilities.

Prerequisite(s): CS 300, CS 301, and ECE 383

**CS445 Software Reverse Engineering**

Hours 3

Software Reverse Engineering is an area of study that is rapidly growing in importance and visibility. This course will reveal to students the challenges of monitoring and understanding software systems. During the course students will become familiar with the practice of software reverse engineering files by utilizing static and dynamic techniques, and methods in order to gain an understanding as to what impact a file may have on a computer system.

Prerequisite(s): CS 300, CS 301, and ECE 383

**CS448 Network Security**

Hours 3

Concepts concerning network security, including an examination of network security concepts, algorithms, and protocols.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS451 Data Science**

Hours 3

This course introduces fundamental concepts & techniques in data science as well as develops practical skills for data analysis in real-world applications. Given the multi-disciplinary nature of data science, the course will primarily focus on the advantages and disadvantages of various methods for different data characteristics, but will also provide some coverage on the statistical or mathematical foundations. Topics to cover include data preprocessing, data exploration, relationship mining, prediction, clustering, outlier detection, deep learning, spatial and spatiotemporal data analysis, text data analysis, and big data.

Prerequisite(s): CS 300, CS 301, MATH 237, (MATH 355 or GES 255), ECE 383

**CS452 Information Retrieval**

Hours 3

This course is an introduction to information retrieval principles and practices. The course will cover several aspects of Information Retrieval including; indexing, processing, querying, and classifying data. Also, retrieval models, algorithms, and implementations will be covered. Though the class will focus primarily on textual data, other media including images/videos, music/audio files, and geospatial information will be addressed. Topics for this course will include but not be limited to: text processing and classification, web search development techniques, and document clustering.

Prerequisite(s): CS 300, CS 301, ECE 383

**CS455 Social Media Data Analytics**

Hours 3

The world is experiencing rapid growth in the amount of published data which come from different sources, including Social Media platforms. The availability of programming interfaces to these platforms allows for near real-time processing of these data for various purposes. This course will reveal to students the inherent challenges of analyzing Social Media data and introduce tools and techniques that are available to address them.

Prerequisite(s): CS 300, CS 301, and ECE 383

**CS460 Intro to Autonomous Robotics**

Hours 3

Issues involved with the implementation of robot control software including motion, kinematics, simulation testing, sensor incorporation and unmodeled factors.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS461 Brain Computer Interface**

Hours 3

This course involves the exploration of new forms of Human-Computer Interaction (HCI) based on passive measurement of neurophysiological states (cognitive and affective). These include the measurement of cognitive workload and affective engagement.

Prerequisite(s): CS 300, CS 301, and ECE 383 or permission of instructor for non-CS majors

**CS465 Artificial Intelligence**

Hours 3

The advanced study of topics under the umbrella of artificial intelligence including problem solving, knowledge representation, planning and machine learning.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS470 Computer Algorithms**

Hours 3

Construction of efficient algorithms for computer implementation.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS475 Formal Languages & Machines**

Hours 3

Regular expressions and finite automata. Context free grammars and pushdown automata. Recursively enumerable languages and the Turing machine. The Chomsky hierarchy.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS480 Computer Simulation**

Hours 3

Introduction to simulation and use of computer simulation models; simulation methodology, including generation of random numbers and variants, model design, and analysis of data generated by simulation experiments.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS481 High Performance Computing**

Hours 3

This course provides students with knowledge and fundamental concepts of high performance computing as well as hands-on experience of the core technology in the field. The objective of this class is to understand how to achieve high performance on a wide range of computational platforms. Topics include: optimizing the performance of sequential programs based on modern computer memory hierarchies, parallel algorithm design, developing parallel programs using MPI, analyzing the performance of parallel programs.

Prerequisite(s): (CS 300, CS 301 and ECE 383) or permission of instructor.

**CS491 Special Topics**

Hours 3

Formal courses that cover new and innovative topics in computer science and do not yet have their own course numbers. Specific course titles will be announced from time to time.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS492 Special Prob (Area)**

Hours 1-3

Reading and research course designed to meet the needs of individual students. This course cannot be used as a required 400-level computer science elective.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS493 Special Problems in Software Engineering**

Hours 3

Reading, research, and development course designed to meet the needs of individual students. This course is specifically for students pursuing the Software Engineering Concentration.

Prerequisite(s): CS 300, CS 301 and ECE 383

**CS494 CyberCorps Scholarship For Service Seminar**

Hours 1

The CyberCorps® Scholarship for Service (SFS) Seminar is only for the students in the SFS@Bama program. This course will focus on important information necessary to be successful in a government cyber security career. The CyberCorps® SFS program prepares the next generation of cyber security employees to protect and defend the United States of America's infrastructure from threats, attacks, and potential intrusions. The course will include briefings, presentations, job related tasks, job fairs, and guest speakers.

**CS495 Capstone Computing**

W

Hours 3

A culminating capstone project course that integrates the skills and abilities throughout the curriculum into a comprehensive design and development experience for computer science majors. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): (CS403 or CS470 or CS475) and (CS407 or CS415 or CS416 or CS417 or CS420 or CS428 or CS434 or CS435 or CS438 or CS442 or CS443 or CS444 or CS445 or CS448 or CS451 or CS452 or CS455 or CS460 or CS461 or CS465 or CS480 or CS481) with grade of C- or higher

Writing

**CS499 Undergraduate Thesis Research**

Hours 3

Independent research and participation within a faculty member's research group. Permission of the supervising faculty member is required.

Prerequisite(s): (CS 403 or CS 470 or CS 475) Minimum Grade of C- AND three additional hours of 400-level CS classes

**DR250 Construction Materials & Proc**

Hours 3

*No description available*

**ECE121 Introduction to Electrical and Computer Engineering**

Hours 1

Introduction to electrical and computer engineering disciplines, specializations, the engineering design process, mathematics required for these disciplines, computer-based modeling and simulation tools, and professional responsibilities.

Prerequisite(s): MATH 110

**ECE225 Electric Circuits**

Hours 4

Physical concepts and mathematical techniques of circuit analysis; DC, transient, and sinusoidal steady-state analysis of circuits; Includes laboratory experiments. Not open to students who have earned credit in ECE 320.

Prerequisite(s): (PH 105 or PH 125) and (PH 106 or PH 126) and (MATH 125 or MATH 145) and (MATH 126 or MATH 146) and (MATH 227 or MATH 247) and MATH 238

**ECE320 Fundmtl Electrical Engr**

Hours 3

Introduction to circuit analysis, methods, resistive circuits, AC circuits, first-order transients, AC power, operational amplifiers and machines. Not open to electrical engineering or computer engineering majors or to students who have earned credit for ECE 225.

Prerequisite(s): (PH 106 or PH 126) and (MATH 227 or MATH 247) and MATH 238

**ECE326 Electric Networks**

Hours 3

Response of circuits to transient signals, both deterministic and random. Laplace transform solution techniques for circuits and differential equations. Relationship between Laplace and Fourier transforms. Frequency response and representation of circuits and systems. Modeling of uncertainty in circuit elements.

Prerequisite(s): ECE 225 and ECE 370 and MATH 355

**ECE327 Audio Networks and Signals**

Hours 3

Response of circuits to transient signals, both deterministic and random. Laplace transform and Fourier methods for the solution and modeling of circuits and audio networks. Frequency response and representation of circuits and systems. Modeling of uncertainty in circuit elements. Specific networks and equipment for audio signal processing.

Prerequisite(s): ECE 225 and MATH 370 and MATH 355

**ECE330 Intro. to Semiconductor Device**

Hours 3

Semiconductor device physics, p-n junction, Schottky diodes, BJT, MOS capacitor, MOSFET and optoelectronic devices. Brief introduction of microelectronic fabrication.

Prerequisite(s): PH 253 and ECE 225

Prerequisite(s) with concurrency: ECE 225

**ECE332 Electronics I**

W

Hours 4

Semiconductor materials and properties, fundamentals of p-n junctions, diodes, diode circuits and operation, signal generators, rectifier and wave-shaping circuits, bipolar and field effect transistors, MOSFET, transistor DC circuit analysis and basic transistor amplifiers. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Includes laboratory experiments.

Prerequisite(s): ECE 225 and (EN 102 or EN 103 or EN 121)

Writing

**ECE333 Electronics II**

W

Hours 4

Operational amplifiers, BJTs, MOSFETs, integrated current biasing and active loads, differential and multistage amplifiers, frequency response, feedback and stability, power amplifiers, and introduction to digital circuits. The lab deals with experiments illustrating concepts in electronics. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Includes laboratory experiments.

Prerequisite(s): ECE 332

Writing

**ECE340 Electromagnetics**

Hours 4

Electrostatics, magnetostatics, Maxwell's equations, plane waves, guided waves, and radiation.

Prerequisite(s): (PH 105 or PH 125) and (PH 106 or PH 126) and (MATH 125 or MATH 145) and (MATH 126 or MATH 146) and (MATH 227 or MATH 247) and MATH 238

**ECE350 Electric Power & Machines**

Hours 3

Single- and three-phase power system analysis. Theory and operation of electromechanical devices, including magnetic circuits, transformers, as well as DC and AC rotating machines. Fundamentals of power electronics.

Prerequisite(s): ECE 225 or ECE 320

**ECE370 Signals And Systems**

C

Hours 3

Time domain and frequency domain analysis of continuous and discrete signals and systems; Fourier integral, Fourier series, Z-transform. Numerical implementation using MatLab. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): ECE 225 and (CS 100 or CS 110 or RRS 101)

Computer Science

**ECE380 Digital Logic**

Hours 4

Number systems, Boolean algebra, logic functions and gates, design of combinational logic systems, flip-flops, design of synchronous sequential systems, and iterative networks. Includes laboratory experiments.

Prerequisite(s): CS 100 or CS 110 or RRS 101

**ECE383 Microcomputers**

C

Hours 4

Microprocessors, microcontrollers, assembly-language programming, interrupts, polling and hardware interfaces. Computing proficiency is required for a passing grade in this course. Includes laboratory experiments.

Prerequisite(s): ECE 380

Computer Science

**ECE399 Undergraduate Research Fellows**

Hours 1-5

The ECE Department offers the opportunity for select undergraduate students to become actively engaged in research and development programs lead by our faculty and graduate students. This opportunity provides undergraduate students with practical research experience, knowledge of modern research practices, and advanced technical skills. Students are evaluated on a pass/fail basis.

Prerequisite(s): Consent of the Instructor.

**ECE408 Communications**

Hours 3

Analog and digital communication systems, random signals, sampling, filtering, analog-to-digital encoding, advanced digital modulation/demodulation, source encoding/decoding, channel encoding/decoding, multiplexing and system performance analysis.

Prerequisite(s): MATH 355 and ECE 370

**ECE409 Communications Lab**

Hours 1

Modeling and design of communication systems. Familiarization with specialized communications equipment and techniques. Proper use of laboratory instruments.

Prerequisite(s): ECE 370 and ECE 408

Prerequisite(s) with concurrency: ECE 408

**ECE430 Solid State Devices**

Hours 3

Solid state physics for semiconductor devices, p-n junction, metal-semiconductor junction, JFET/MESFET, MOSFET, BJT and non-ideal behaviors of solid state devices. Organic thin film devices including organic solar cells, thin film transistors, light emitting diodes and their application for flexible displays.

Prerequisite(s): ECE 330



**ECE438 Intgr Circuit Fabr Prin**

Hours 3

Study of the processing tools used in semiconductor device fabrication. Topics include semiconductor fundamentals, semiconductor device fabrication processes, interconnections and contacts, integrated circuit packaging, and chip yield.

Prerequisite(s): ECE 333 or MTE 271

**ECE439 Thin Film Technology**

Hours 3

Crystal structure and defects, film nucleation and growth models, growth of polycrystalline and epitaxial films, vacuum science technology, physical and chemical vapor deposition, solution based methods and thin film characterization techniques.

Prerequisite(s): ECE 225 or PH 253

**ECE440 Electromagnetic Waves**

Hours 3

Mathematics and physics of the radiation, propagation and scattering of electromagnetic waves. Boundary value problems involving finite and infinite structures, waveguides, antennas and media.

Prerequisite(s): ECE 340

**ECE451 Power Electronics**

Hours 3

Detailed study on the theory and operation of power electronics converters and systems. Overview of enabling power semiconductor switching devices. Introduction to feedback control of converters. Machine drive fundamentals.

Prerequisite(s): ECE 332 and ECE 350

**ECE452 Power Electronics Laboratory**

Hours 1

Laboratory experience in three phase power systems and electric machinery. Laboratory experience on the theory and operation of power electronic converters, systems and machine drives.

Prerequisite(s): ECE 332 and ECE 350

Prerequisite(s) with concurrency: ECE 451

**ECE453 Power Systems**

Hours 3

Basic power systems concepts and per unit quantities; transmissions line, transformer and rotating machine modeling; power flow; symmetrical component of power systems; faulted power system analysis.

Prerequisite(s): ECE 350

**ECE454 Power Systems Laboratory**

Hours 1

Test and analysis of power systems and machine devices and the design of systems using devices.

Prerequisite(s): ECE 350 and ECE 453

Prerequisite(s) with concurrency: ECE 453

**ECE455 Electromechanical Systems**

Hours 3

Static and dynamic modeling, analysis, and simulation of mechanical, electrical, hydraulic and mixed systems. MATLAB and SIMULINK model development and simulation.

Prerequisite(s): ECE 225 and MATH 238

**ECE461 Quantum Well Elec & Devices**

Hours 3

Energy levels and wave functions of semiconductor microstructures; envelope function approximation; quantum wells, superlattices; excitons; optical and electrical properties; selection rules; quantum confined Stark Effect; Wannier-Stark localization; field-effect transistors, tunneling devices, quantum well lasers, electro-optic modulators and quantum-well intersubband photodetectors.

Prerequisite(s): ECE 330 or PH 253

**ECE462 Semiconductor Optoelectronics**

Hours 3

Elemental and compound semiconductors; fundamentals of semiconductor physical properties; solid state physics; optical recombination and absorption; light emitting diodes; quantum well lasers; quantum dot lasers; blue lasers; semiconductor modulators; photodetectors; semiconductor solar cells; semiconductor nanostructure devices.

Prerequisite(s): PH 253

**ECE463 Magnetic Materials & Devices**

Hours 3

Diamagnetism and Paramagnetism, Ferromagnetism, Antiferromagnetism, Ferrimagnetism, magnetic anisotropy, domains and the magnetization process, fine particles and thin films and magnetization dynamics.

Prerequisite(s): ECE 340

**ECE466 Fund of Nanotechnology**

Hours 3

Nanofabrication with electron beam lithography, focused ion beam, lithography, and nanoimprint; microscopies for nanostructures, including SEM, EDX, TEM, AFM, STM; nanoscale devices based on nanostructured materials (carbon nanotubes and metal oxide nanomaterials).

Prerequisite(s): ECE 330 or PH 253

**ECE475 Control Systems Analysis**

Hours 3

Classical and modern feedback control system methods; stability; Bode, root locus, state variables, and computer analysis.

Prerequisite(s): ECE 326 or ECE 327

**ECE476 Control Systems Lab**

Hours 1

Practical analysis and design of feedback control systems and components; electrical, mechanical, and electromechanical systems.

Prerequisite(s): ECE 326 or ECE 327

Prerequisite(s) with concurrency: ECE 475

**ECE479 Digital Control Systems**

Hours 3

Frequency and time methods in discrete time control systems; sampling of continuous-time signals, stability, transform design techniques, and state variable analysis and design techniques.

Prerequisite(s): MATH 237 and ECE 370 and ECE 475

**ECE480 Digital Systems Design**

Hours 3

Digital systems design with hardware description languages, programmable implementation technologies, electronic design automation design flows, design considerations and constraints, design for test, system-on-a-chip designs, IP cores, reconfigurable computing and digital system design examples and applications.

Prerequisite(s): ECE 383 and CS 101 Corequisite: ECE 481

**ECE481 Digital Systems Design Lab**

Hours 1

Logic design and simulation via hardware description languages, use of electronic design automation tools, and CPU design.

Prerequisite(s): None. Corequisite: ECE 480

Prerequisite(s) with concurrency: ECE 480

**ECE482 Comp Visn Dig Image Proc**

Hours 3

Introduction to computer vision and digital image processing with an emphasis on image representation, transforms, filtering, compression, boundary detection and pattern matching.

Prerequisite(s): MATH 355 and ECE 285

**ECE483 Introduction to Machine Learning**

Hours 3

Machine learning studies methods that allow computers to learn from the data and act without being explicitly programmed. This course provides an introduction to machine learning and covers various supervised and unsupervised learning techniques, methods of dimensionality reduction and assessment of learning algorithms.

Prerequisite(s): MATH 355 or consent of instructor.

**ECE484 Computer Architecture**

Hours 3

Basic computer organization, computer arithmetic, assembly language, machine language, simple and pipelined central-processor organization, memory system hierarchy, and measuring computer performance.

Prerequisite(s): ECE 383 and CS 101

**ECE485 Programmable Logic Controllers**

Hours 3

Programmable Logic Controllers, fundamentals of ladder logic programming and PLC systems, advanced PLC operation, and related topics, including networking, control applications and human-machine interface design.

Prerequisite(s): ECE 383 and CS 101

**ECE486 Embedded Systems**

Hours 3

Integration of microprocessors into digital systems. Includes hardware interfacing, bus protocols and peripheral systems, embedded and real-time operating systems, real-time constraints, networking, and memory system performance.

Prerequisite(s): ECE 383 and CS 101 Corequisite: ECE 487

**ECE487 Embedded Systems Laboratory**

Hours 1

Projects provide hands-on experience in hardware interfacing, system-level design, real-time concepts and memory system performance.

Prerequisite(s): ECE 383. Corequisite: ECE 486

**ECE488 Computational Intelligence**

Hours 3

Computational Intelligence is a discipline that relies on biologically inspired computation to solve real-world problems that otherwise are infeasible or impossible to solve using classical engineering approaches. The course will cover the fundamental techniques of computational intelligence and study practical applications in real-world engineering problems.

Prerequisite(s): MATH 355 or consent of instructor.

**ECE491 Special Problems**

Hours 1-8

Investigation of a problem or problems, usually involving research with a faculty member. Credit is based on the individual assignment.

**ECE492 Capstone Design I**

Hours 2

First of a two-course sequence to provide design experience through capstone design, a team-based two-semester-long design project. Also, the first-semester course will include instruction in design methodology, engineering ethics, societal impacts, project economics, and management tools.

Prerequisite(s): ECE 332

Prerequisite(s) with concurrency: (ECE 408 and ECE 409) or (ECE 451 and ECE 452) or (ECE 453 and ECE 454) or (ECE 475 and ECE 476) or (ECE 480 and ECE 481) or (ECE 486 and ECE 487)

**ECE493 Selected Topics**

Hours 1-8

Special courses in all areas of electrical or computer engineering, offered as the need arises. Credit is based on the course requirements.

**ECE494 Capstone Design II**

Hours 2

Second of a two-course sequence to provide design experience through capstone design, a team-based two-semester-long design project.

Prerequisite(s): ECE 333 and ECE 492

**ENGR103 Engineering Foundations**

Hours 3

Introductory course for students in all engineering disciplines that provides the basic skills required for engineering with an emphasis on problem solving, sketching, teaming, oral and written technical communication, and the design process.

Prerequisite(s): [(MATH 112 AND MATH 113) OR MATH 115]OR MATH 125 or higher with concurrency

Prerequisite(s) with concurrency: MATH 125 or MATH 126 or MATH 145 or MATH 146

**ENGR111 Engineering for the Future**

Hours 1

An introduction to the discipline of engineering and what the future of the field will involve. Focus is on developing and understanding of the discipline, the contributions that the discipline will make to society in the future and career opportunities for students in the field.

Prerequisite(s): UA Math Placement Test Score (PLMA) minimum of 310, UA Subject Math Placement Test Score (PLAC) minimum of 467, ACT Math Subscore minimum of 24, old SAT Math Subscore minimum of 560, new SAT Math Subscore of 580, or MATH 110 with C- or higher.

Prerequisite(s) with concurrency: MATH 112, MATH 113, MATH 115, MATH 125, MATH 126, MATH 145, or MATH 146 with a C- or higher

**ENGR123 Engineering Foundations Honors***UH*

Hours 3

Introductory course for Honors students in all engineering disciplines that provides the basic skills required for engineering with an emphasis on problem solving, sketching, teaming, oral and written technical communication, and the design process.

Prerequisite(s): UA ACT Subject Math Placement minimum score 565 or UA Placement Mathematics minimum score 440 or (MATH 112 and MATH 113) or MATH 115, or concurrent enrollment in MATH 125, MATH 126, MATH 145 or MATH 146

Prerequisite(s) with concurrency: MATH 125 or MATH 126 or MATH 145 or MATH 146

University Honors

**ENGR161 Small-Scale Eng. Graphics**

Hours 1

Two-dimensional representations of multiviews, sections, and auxiliaries will be generated.

Prerequisite(s): UA Math Placement Test Score of 370-439 or ACT Math Subscore of 28 or old SAT Math Subscore of 630 or new SAT Math Subscore of 650 or MATH 112

Prerequisite(s) with concurrency: MATH 113, or MATH 115, or MATH 125, or MATH 145, or MATH 126, or MATH 146, or MATH 227, or MATH 247, or MATH 238

**ENGR171 Large-Scale Eng. Graphics**

Hours 1

Use of a commercial software package to produce engineering drawings such as multiviews, sections and auxiliaries, isometric and oblique pictorials, dimensional drawings as well as simple topographical and property drawings, with an emphasis on large-scale applications.

Prerequisite(s) with concurrency: ENGR 103 or ENGR 123

**ENGR191 Undergraduate Engineering Special Topics**

Hours 1-3

Special courses in all areas of engineering, offered as the need arises. Credit is based on the course requirements.

**ENGR493 Experience in German Industry and Education**

Hours 3

Students will present the project they worked on during their industrial internship and the results they achieved. They will also talk about the challenges and opportunities of participating in the German education system. Finally, they elaborate on how this influenced their personal development and soft skills. (8 seminars spread over 16 weeks).

**EPIC101 Engineering Positive and Intentional Change***UH*

Hours 1

This first course provides the opportunity to form an identity as an EPIC Scholar and connect with other EPIC Scholars. Students are introduced to new ideas and different viewpoints through respectful and inclusive discussions and explore how engineering and computer science relates to complex societal issues of our times.

University Honors

**EPIC102 EPIC Freshman Seminar II***UH*

Hours 1

This course continues the discussions from EPIC 101, focusing on the students further developing their identity as an EPIC Scholar, exploring their self-perception, identifying their own inherent biases and how such biases can limit their scope of impact as future engineers and computer scientists.

Prerequisite(s): EPIC 101

University Honors

**EPIC201 EPIC Sophomore Seminar I***UH*

Hours 1

Students practice being part of a larger community of engaged scholars, including focus on how to promote positive and intentional change. Students will gain experience collaborating as a transdisciplinary team and develop a set of team norms assuring greater levels of respect and inclusion.

Prerequisite(s): EPIC 102

University Honors

**EPIC202 EPIC Sophomore Seminar II**

UH

Hours 1

Students investigate a wide variety of complex, transdisciplinary social issues and explore how such issues can have longitudinal and disproportionate impacts on society or sectors of society, including within the context of the engineering and computer science professions.

Prerequisite(s): EPIC 201

University Honors

**EPIC301 EPIC Junior Seminar I**

UH

Hours 1

Students examine moral, legal, and ethical issues related to respect, diversity, equity, inclusion, and access, including those specifically associated with the engineering and computer science professions.

Prerequisite(s): EPIC 202

University Honors

**EPIC302 EPIC Junior Seminar II**

UH

Hours 1

Through case studies and design exercises, students explore how the engineering design process may be affected if engineers and computer scientists lack an understanding and representation of the full diversity of society.

Prerequisite(s): EPIC 301

University Honors

**EPIC401 EPIC Honors Senior Thesis I**

UH

Hours 1.5

Students propose and initiate a team-based, transdisciplinary senior thesis project that will include soliciting a diversity of perspectives, promoting a culture of respect, diversity, equity, inclusion and justice, and sustainable and ethical solutions to complex social issues.

Prerequisite(s): EPIC 302

University Honors

**EPIC402 EPIC Honors Senior Thesis II**

UH

Hours 1.5

Students complete and present the results of a team-based, transdisciplinary senior thesis project that includes integration of a diversity of perspectives, promotion of a culture of respect, diversity, equity, inclusion and justice, and advocacy of sustainable and ethical solutions to complex social issues.

Prerequisite(s) with concurrency: EPIC 401 with concurrency

University Honors

**GES225 Impacts of Mjr Engr Accomplish**

Hours 3

Survey of major works of engineering, how they advanced the state of knowledge, the social issues of their time and the impact they have had on culture and society.

**GES255 Engineering Statistics I**

Hours 3

Probability and basic statistical concepts, random variables, discrete and continuous distributions, sampling distributions, inferences concerning means, simple regression, and correlation. Experiments demonstrating probabilistic and statistical concepts are conducted.

Prerequisite(s): ENGR 103 or ENGR 123

Prerequisite(s) with concurrency: MATH 146 and MATH 126

**GES400 Engineering Statistics**

Hours 3

Not open to students with credit for GES 255. Not available for MSIE degree credit. Probability and basic statistical concepts, discrete and continuous distributions, the central limit theorem, sampling distributions, point and interval estimation, hypothesis testing, regression and correlation analysis, and analysis of variance.

Prerequisite(s): MATH 126 or MATH 146

**GES410 London/Dublin Internship**

Hours 3

Student will enroll in 7 weeks of internship to work in the engineering profession as part of the study abroad program.

**GES491 Special Topics**

Hours 1-3

Research course designed to meet the needs of individual students.

**ME121 Introduction to Mechanical Engineering**

Hours 1

An introduction to the discipline of mechanical engineering and the role of the mechanical engineer, including both mechanical and thermal/fluid stems. Focus is on learning about the discipline through a series of student hands-on activities.

Prerequisite(s): UA Math Placement Test Score of 370-439 or ACT Math Subscore of 28 or old SAT Math Subscore of 630 or new SAT Math Subscore of 650 or MATH 112

Prerequisite(s) with concurrency: MATH 113 or MATH 115 or MATH 125 or MATH 126 or MATH 145 or MATH 146 or MATH 227 or MATH 238

**ME215 Thermodynamics I**

Hours 3

Introduction to engineering thermodynamics. Topics include units and measures, thermodynamic system, property, and surroundings, closed, open and isolated systems, first law of thermodynamics for closed systems including calculations of boundary work and heat transfer interactions, properties of pure substances including determination of thermodynamic state using the state postulate, introduction to thermodynamic tables, ideal gases, first law of thermodynamics for open systems, second law of thermodynamics, absolute temperature scale, heat engine and refrigeration cycles, Carnot cycle, Kelvin-Planck and Clausius statements of the second law, determination of allowable, reversible, and impossible thermodynamic processes and cycles using the second law, introduction to entropy as a thermodynamic property using the second law, calculation of entropy change and entropy generation for closed and open systems. Introduction to isentropic processes and isentropic efficiencies of devices.

Prerequisite(s): MATH 126 or MATH 146 or MATH 132

**ME216 Thermal Engineering Survey**

Hours 3

Survey of thermal engineering topics for engineers outside mechanical engineering. To include an overview of subjects typically covered in courses about thermo-dynamics I and II and heat transfer. An emphasis is placed on qualitative concepts of transport and conservation as they relate to thermal-fluids in order to increase the understanding of thermal engineering applications.

Prerequisite(s): MATH 126 or MATH 146

**ME226 Introduction to Automotive Systems**

Hours 3

This course covers a high-level view of the main automotive systems and their interactions including motive power conversion (both combustion and electric), power transmission and delivery, electrical systems, suspension and chassis, body, and driver assistance and automation systems.

Prerequisite(s): PH 101, PH 105, or PH 125

Prerequisite(s) with concurrency: MATH 121 or MATH 125 or MATH 145

**ME305 Thermodynamics II**

Hours 3

Introduction and analysis of different thermodynamic cycles and factors impacting these cycles. Topics include thermodynamic cycle analysis, thermodynamics of non-reacting and reacting mixtures, power cycles: basic considerations, gas power cycles, vapor and combined power cycles, gas mixtures, air-water vapor mixtures and air conditioning, and chemical reactions from thermodynamics point of view.

Prerequisite(s): ME 215

Prerequisite(s) with concurrency: MATH 227 or MATH 247

**ME309 Heat Transfer**

Hours 3

Introduction to heat transfer including how to predict and engineer such transfer. Topics to be covered include: conservation laws, conduction, convection, and radiation. Problems and examples include theory and applications drawn from nature and a spectrum of engineering applications.

Prerequisite(s): MATH 238 and ME 215 and AEM 311

**ME349 Engineering Analysis**

C

Hours 3

This course covers fundamental concepts in mathematics and computer programming, which will be the tools for mechanical engineering analysis. It includes Linear Algebra and Numerical Analysis with application to engineering problems with elements of Programming, Statistics, and Engineering Economics. MATLAB is utilized as the programming software with students exposed to basics of coding and high-level functions for solving specific mathematical problems. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MATH 238. Students are expected to have basic knowledge about the linear algebra problems and ordinary differential equations. Although programming will be taught as a part of the course, knowledge of Excel and MATLAB learned in previous course will be used in the class.

Computer Science

**ME350 Static Machine Components**

Hours 3

This course covers the analysis of stresses and deflections in machine elements like beam supports, rods, and drive shafts. Methods for describing the stresses through von Mises and various failure criteria are also covered. The topics of fatigue, fatigue strength, and endurance limit are also discussed. Also included is the design of connected joints covering both bolted and welded joints.

Prerequisite(s): AEM 250, AEM 251, and ENGR 161 or ENGR 171

**ME351 Finite Element Lab**

Hours 1

This lab provides a working knowledge of finite element (FE) simulation. Upon completion each student will have the ability to set up and run a FE analysis of a realistic engineering assembly, while (a) optimizing computation efficiency, (b) optimizing result fidelity, and (c) employing sound engineering judgment in their assumptions.

Prerequisite(s): ENGR 161 and AEM 250

Prerequisite(s) with concurrency: Co-requisite: ME 350

**ME360 Control Instrument Components**

W

Hours 3

Introduction to selection and use of electrical, pneumatic, and other components of mechanical system instrumentation and control. Specific components include modern electrical measurement devices, signal conditioning, force and torque measurement, proximity sensors, AC and DC motors, etc. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): AEM 250; and ECE 320 or ECE 225

Writing

**ME364 Vehicle Dynamics**

Hours 3

Dynamics of four-wheeled vehicles, including acceleration and braking performance, road loads, ride comfort, steady-state cornering, suspensions, steering systems, and rollover. Vehicle dynamics system modeling programs are introduced and used for detailed investigations of the effect of system design parameters on performance.

Prerequisite(s): AEM 264

**ME372 Dynamic Systems**

C

Hours 3

An introduction to the modeling, analysis and control of dynamic systems. The course takes the student from initial modeling through analysis of the system response and finally into the control of the system. Specific systems include mechanical devices, electrical circuits, and electromechanical systems. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MATH 238 and AEM 264 and ME 349; and ECE 320 or ECE 225

Computer Science

**ME377 Noise Control**

Hours 3

Physical properties of noise; hearing and noise criteria measurement techniques; and noise-control fundamentals applied to practical problems are covered in this course. Both sound and vibration topics are discussed, including the spectral description of these phenomena. Applications of various estimation methods for characterizing room acoustics, such as reverberation time and room modes, are presented. Industrial applications are discussed throughout the course.

Prerequisite(s): MATH 238, and PH 106 or PH 126

**ME380 Engineering Leadership I**

Hours 1

Organizational leadership fundamentals for leaders of COE organizations regarding recruiting, motivating team members, managing resources and time, sponsor outreach, fundraising, scheduling, presentations, and budgeting. This is achieved through student led discussion, workshop service and project analysis. Intended that students follow up with Engineering Leadership II (ME 480).

**ME383 Modern Manufacturing Processes**

Hours 3

A survey of classical and modern manufacturing processes. Emphasis is on technical fundamentals and practical applications. Components include geometric and service attributes of manufactured products, metal casting processes, forming processes, machine processes, joining processes, and additive manufacturing.

Prerequisite(s): AEM 250, MTE 271 and (ENGR 161 or ENGR 171)

**ME406 Thermal Power Systems**

Hours 3

Study of thermal systems emphasizing large power generation systems. Topics include Rankine and gas turbine cycles, fossil fuels combustion, boiler characteristics, cogeneration, combined cycle plants, environmental effects of power generation, and alternative energy concepts.

Prerequisite(s): ME 305

**ME407 Heating Ventilation Air-Conditioning**

Hours 3

Fundamentals and practice associated with heating, ventilating and air conditioning; study of heat and moisture flow in structures, energy consumption, human comfort and health; and design of practical systems.

Prerequisite(s): ME 309 and ME 305

**ME411 Computational Heat Transfer and Fluid Flow**

Hours 3

Computational techniques to solve conservation equations representing heat transfer, mass transfer, and fluid flow processes. Topics include discretization methods for multi-dimensional diffusion and convection problems, programming and numerical techniques, and pressure-correction algorithms. Use of computer software for practical applications is also covered.

Prerequisite(s): ME 309

**ME414 Principles of Combustion I**

Hours 3

Energy sources, combustion systems, fuels and emissions, combustion thermodynamics, chemical kinetics, 1D reactors, combustion phenomena (ignition, flashback, blow-off, deflagration, detonation, etc.), laminar and turbulent premixed and non-premixed flames, and heterogeneous combustion.

Prerequisite(s): ME 309

**ME416 Energy Conservation & Management**

Hours 3

Analysis of energy systems with focus on evaluating baseline energy usage and best practices for efficiency. Topics include overview of utility rate schedules and fuel sources and supplies, economic analysis, lighting systems, industrial energy systems, heating, ventilation, air-conditioning systems.

Prerequisite(s): ME 309 and ME 305 and ECE 320 or ECE 225

**ME417 Sustainable Energy**

Hours 3

Contemporary issues surrounding the challenge of providing energy for societal and economic development are examined. Depletion of fossil fuel resources and the impact of fossil fuel use on the environment and climate are considered. Alternative Sustainable sources of energy production are explored.

Prerequisite(s): ME 305

**ME421 Reliability and Maintainability Engineering**

Hours 3

This course is designed to introduce upper-level undergraduate engineering students to reliability and maintainability measures, models, and prediction methods. The course also covers preventive maintenance techniques and philosophies such as FMEA and Reliability Centered Maintenance.

Prerequisite(s): GES 255 or GES 400 or ME 349, or permission of the instructor

**ME424 Automotive Manufacturing**

Hours 3

This course is designed to introduce engineering students to automotive manufacturing processes, technologies, and systems. Topics include current status of automotive manufacturing as well as methods of material processing, material handling systems, production facilities and fundamentals of robotics and automation as they relate to automotive manufacturing.

Prerequisite(s): ME 383 (with grade of C or better)

**ME426 Internal Combustion Engines**

Hours 3

This course introduces how internal-combustion engines work, and links analysis and testing techniques used for their design and development to subjects presented within the mechanical engineering curriculum. Laboratory activities serve to reinforce and illustrate analysis application as well as provide visual reference to common internal-combustion engine components.

Prerequisite(s): ME 305

**ME430 Fuzzy Set Theory & Application**

Hours 3

The course covers the basic concepts in fuzzy set theory, fuzzy logic, and approximate reasoning. Relation between fuzzy set theory, probability theory, and possibility theory is discussed. Applications of fuzzy set theory in manufacturing systems are outlined.

Prerequisite(s): GES 255 OR GES 400/500 OR ME 349, or permission of the instructor

**ME440 Failure of Engineering Materials**

Hours 3

Understand how structural components fail and apply the proper techniques for a failure analysis investigation. Demonstrate the ability to identify and differentiate fractographic features of material failure including overload and progressive failures (ductile, brittle, fatigue, creep, corrosion, wear). Practical failure analysis project experience included.

Prerequisite(s): AEM 250 and AEM 251 and MTE 271 and ME 350 and ME 383

**ME442 Multiscale Material Design**

Hours 3

This course covers an introduction to materials modeling, terminology, and fundamentals of modeling/simulations in engineering systems, modeling materials at atomic scales using molecular dynamics techniques, statistical methods, mesoscale simulations using phase-field, largescale simulations using continuum mechanics, and finite element method. It also provides basic training on the software tools used in the field – e.g., COMSOL, LAMMPS, VMD, ParaView. Students will learn about different modeling techniques, available software tools, and analysis of the simulation results.

Prerequisite(s): AEM 250, AEM 251, MTE 271, ME 349, and ME 350

**ME446 Atomistic Modeling of Materials**

Hours 3

This course focuses on the classical molecular dynamics method as a universal tool for calculation of properties of matter in solid, liquid, and gaseous states. The course includes both lectures and a computer practicum that requires elementary programming in C and use of the LAMMPS molecular simulator. An introduction into C programming is provided as a part of the course.

Prerequisite(s): AEM 250 and ME 349

**ME448 Biomechanics of Human Movement**

Hours 3

An overview of the broad field and major challenges of movement bio mechanics; II. The principles of classical mechanics, anatomy, and physiology to describe, analyze, and assess human motion; and III. The engineering tools and the mathematical approaches applied to perform bio mechanical analysis of moving bodies.

Prerequisite(s): ME 349 Engineering Analysis; MATH 238 Applied Differential Equations 1; AEM 201 Statics; AEM 264 Dynamics

**ME450 Dynamic Machine Components**

Hours 3

This course covers the selection and application of machine elements in dynamic systems. Specific components covered include transmission elements (gears, belt drives, and chain drives), bearings, and brakes and clutches. Linkage synthesis and dynamic analysis of mechanical systems are also covered.

Prerequisite(s): AEM 264 and ME 350

**ME452 Fundamentals of Automotive Systems**

Hours 3

Description of a generic vehicle development process. Full vehicle concepts. Performance and fuel efficiency calculations. Fundamentals of internal combustion engines, thermodynamic principles, vibrations. Transmission and drive train design.

Prerequisite(s): MATH 238

**ME454 Automotive Electrical and Electronic Systems**

Hours 3

Evolution of a classical automotive electrical point-to-point network into a modern electrical/electronic system with bus networking. Influence of E/E systems on the vehicle development process. Analog and digital control systems. Basic electronic components and sensors. Power management of the board network. Principles and behavior of batteries, alternators and starters. Deep dive into ESP System (Electronic Stability Program) to understand the operating principles of its subsystems: Anti-lock Brake System, Traction Control System and Yaw Control System. Review of sensors and actuators used in ESP control. Principles of bus systems in automobiles. Detailed operation of the CAN, LIN and FlexRay bus system. Special topics including Electro Magnetic Compatibility. Knowledge of MATLAB and SIMULINK.

Prerequisite(s): ECE 225 or ECE 320

**ME456 Mechatronics**

Hours 3

This is the introductory course to the field of Mechatronics and Robotics. It covers fundamentals of electronics required for mechatronics systems, introduction to microcontroller programming and interfacing, data acquisition, sensing and actuation. The course is a mix of instructional theory and lab, coupled with an independent exploratory project.

Prerequisite(s): ME 360 and ME 372

**ME458 Modeling and Simulation of Automotive Systems**

Hours 3

Introduction to modeling and simulation of automotive systems with various components including internal combustion engine, transmission, battery, electric motor, and chassis dynamics. Energy efficiency and dynamic performances of conventional, hybrid electric, and full electric vehicles are covered.

Prerequisite(s): ME 349: Engineering Analysis ME 372: Dynamic Systems

**ME460 Energy Systems: Analysis and Measurement**

W

Hours 4

Techniques of analysis and design of thermal systems including piping networks, heat exchangers, and pumping systems. Hands on experience with these systems through laboratory activities. Statistical design of experiments. Selection and use of basic thermal systems measurement instrumentation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ME 309 &amp; ME 360 - each must have a minimum grade of C-.

Writing

**ME470 Mechanical Vibrations**

Hours 3

Formulation and solution of free and forced vibration problems for undamped and damped systems with single and multiple degrees of freedom. An introduction to modeling vibrations in continuous systems is also included. Superposition methods utilizing waveform decomposition, such as Fourier Series, are presented for use in both solution methods and system analysis. Experimental techniques of vibration measurement are also introduced.

Prerequisite(s): ME 372 and AEM 250

**ME471 Fundamentals Of Acoustics**

Hours 3

Fundamental physical principles underlying wave propagation and resonance in mechanical systems. The course introduces modeling, applications, and provides experience in acoustic and audio measurements and the associated instrumentation. The human auditory transduction mechanism is also studied along with physical parameters that describe how humans hear.

Prerequisite(s): MATH 238, and PH 106 or PH 126, and ECE 225 or ECE 320

**ME472 Introduction to Robotic Kinematics**

Hours 3

This course covers the fundamental concepts of robotics that will enable students to perform kinematic and static force analyses of robotic systems. Rigid-body motion in three-dimensional space is analyzed using rotation and transformation matrices. Screw theory approach is used for representing and conducting forward kinematics of manipulators (product of exponentials). Inverse kinematics of open-chain manipulators is examined using analytical and numerical techniques. Jacobian-based methods are discussed for conducting velocity and static force analyses.

Prerequisite(s): ME 360 and ME 372

**ME475 Control Systems Analysis**

Hours 3

Classical feedback control system analysis, Laplace transform, transfer function, time response, proportional-integral-derivative control, root locus, frequency response, and computerized analysis. Also includes a brief introduction to modern control techniques.

Prerequisite(s): ME 349 and ME 372

**ME480 Engineering Leadership II**

Hours 2

Continues development of organizational leadership fundamentals initiated in ME 380 Engineering Leadership I regarding recruiting, motivating team members, managing resources and time, sponsor outreach, fundraising, scheduling, presentations, and budgeting among leaders working for COE organizations. This is achieved through student led discussion, workshop service and project analysis.

Prerequisite(s): ME 380

**ME484 Product Innovation**

Hours 3

This is an experiential, team-based learning course that allows students to develop ideas for new uses of patented technologies. Students use NASA technologies as the foundation for a new product idea and then work through the lean product development and customer discovery processes to test their ideas.



**ME489 Mechanical Engineering Design I**

Hours 3

Introduction to concepts and techniques of engineering design with supporting mathematical material. Guest lecturers present professional aspects of engineering. The Capstone Design Project is begun and carried on through ME 490 (ME 489 and ME 490 are taken in consecutive semesters).

Prerequisite(s): ME 305 and ME 309 and ME 350 and ME 351 and MATH 238

**ME490 Mechanical Engineering Design II**

Hours 3

In this course, student teams serve as consultants to a client. Emphasis is on conducting a professional design study and preparing written and oral presentations of the project.

Prerequisite(s): ME 489

**ME491 Special Problems**

Hours 1-6

This is a special topics lecture class or an assigned problem class. Credit is based on the amount of work undertaken.

**ME492 Automotive Experience**

Hours 1

This course provides automotive-related experience associated with on campus automotive design competition teams such as EcoCAR, Formula SAE, SAE Baja and Autonomous Indy or suitable industrial internships.

Prerequisite(s): Participation and active member status in one of the automotive design competition teams on campus or an approved automotive-related internship.

**ME493 Automotive Experience Capstone**

Hours 1

This course documents applications of material covered in coursework a student has chosen to satisfy automotive minor academic requirements within the practical experiences gained during the design-team participation or industrial internships required for the Automotive Minor. Coursework topics should be associated with documented activities which made up the portfolios created in the ME 492 experiences.

Prerequisite(s): ME 492

**ME497 Mechanical Engineering Project**

Hours 1-3

An individual analytical, experimental or design project. Research on an assigned problem culminates in a required report.

**MFE190 Capstone Experience: Introduction to Manufacturing Systems Engineering**

Hours 1

An introduction to the discipline of manufacturing systems engineering and the role of the manufacturing engineering in today's advanced industrial settings. Focus is on learning about the discipline with a series of student hands-on activities.

Prerequisite(s): UA Math Placement Test Score of 370-439 or ACT Math Subscore of 28 or old SAT Math Subscore of 630 or new SAT Math Subscore of 650 or MATH 112

Prerequisite(s) with concurrency: MATH 113 or MATH 115 or MATH 125 or MATH 126 or MATH 145 or MATH 146 or MATH 227 or MATH 238

**MFE201 Basics of Robotics**

Hours 1

This course introduces students to the world of robotics. Students learn fundamental engineering concepts and how to work with the Vex robot in the classroom safely. Also, this course introduces students to programming with Vex V5. Fundamental programming concepts like loops, statements, variables, constants and assignments are reinforced with activities and worksheets. Students learn how to simplify their code and use their new programming skills to make the BaseBot follow complex paths. Moreover, students learn about a robot's end effectors and how these end effectors affect the robot's design and performance.

Prerequisite(s): MFE 190, or ME 121

**MFE202 Basics of PLC**

Hours 1

In this course, students learn how to program and use PLCs in industrial applications that require electrical control. The PLC modules feature PLC simulation control software that allows students to program a PLC and simulate industrial applications. Students will learn about programmable logic controllers, input/output relationships, identifying Input/Output addresses for an I/O panel, writing and simulating a basic ladder diagram, different logics and features in programming.

Prerequisite(s): MFE 190, or ME 121

**MFE203 Basics of Automation and Materials Handling**

Hours 1

Robotics and Materials Handling gives students the fundamental skills needed to operate, maintain, program and test robotic systems. The lab version enables students to gain experience and skill in robotic operation and programming using the SCORBOT-ER4u, an industrial training robot. Using SCORBASE software, an intuitive tool for robot programming and control, students develop and write robot programs and design solutions for industrial robotic applications.

Prerequisite(s) with concurrency: MFE 201 and MFE 202

**MFE222 Robotic Welding**

Hours 1

In Robotic Welding, students discover robotic welding fundamentals by first working through the entire welding process in simulation. Only then can they execute actual automated welding applications. Activities challenge students to develop solutions for common welding problems, such as thermal deformation, by adjusting their welding technique. Students also learn to improve weld quality by optimizing important welding parameters such as wire feed rate, robot speed, inert gas shield and voltage.

Prerequisite(s): MFE 203

**MFE224 Industrial Automation with Robotics**

Hours 1

Robot Expert is a simulation and offline programming software that enables manufacturers to perform complete 3D modeling, visualization and simulation of their automation systems, including robots, tooling and peripheral equipment. In this course, students will learn the basics of how to use this full-featured program and observe how it enables manufacturers to optimize their production processes while eliminating waste and extra costs. In this introductory, students are introduced to some basic manufacturing processes and become familiar with the role of robotics in manufacturing and production.

Prerequisite(s): MFE 203

**MFE226 Instrumentation for Automations**

Hours 1

This course enables students to gain a solid foundation of knowledge and skill in performing measurements and calculations. More specifically, students learn how to use precision measurement tools, such as steel rule, tape measure, protractor, micrometer, height gauge, various calipers and dial indicators. Students gain proficiency in reading mechanical drawings, in selecting the proper tools for inspecting parts and in preparing quality control/inspection reports. Students learn how to collect data on a sample and calculate the mean, median and standard deviation. They also learn how these concepts relate to statistical sampling, tolerance and quality control. The course includes statistical process control activities that allows students to collect and display measurement data in a spreadsheet.

Prerequisite(s): MFE 203

**MFE232 Flexible Manufacturing Systems**

Hours 1

The Flexible Manufacturing System (FMS) course exposes students to automation and industrial applications by combining CNC technology with robotics and materials handling. Students develop and edit programs, record precise robotic positions, accurately mill parts, and synchronize mill and robot operation. Students gain "virtual hands-on" experience in CNC and robot programming, especially in I/O commands. Students design solutions for industrial FMS applications with emphasis on real industrial concerns, such as optimized CNC and robotic programming and accurate machine tending.

Prerequisite(s): MFE 203

**MFE262 Introduction to the Industrial Internet of Things**

Hours 1

Introduction to the Internet of Things and Connectivity focuses on the vast network of smart sensors and devices that is the Internet of Things (IoT) and its impact on Industry 4.0 and the manufacturing world. This course also explores topics related to the interconnection of IoT and industrial devices, such as SCADA systems, cloud computing, edge computing, and machine vision systems.

Prerequisite(s): MFE 203

**MFE290 Capstone Experience: Foundations of Programming**

Hours 3

This course is a first course in programming for students majoring in manufacturing systems engineering. Language concepts include arrays, matrices, sequences, functions, selection, iteration and recursion. Software engineering concepts include files & I/O, plotting, as well as general programming techniques.

Prerequisite(s): ENGR 103

**MFE302 Advanced PLC**

Hours 1

Advanced Programmable Ladder Logic course teaches students how to program and use PLCs in industrial applications that require electrical control. The PLC modules feature software, which allows students to program a PLC and simulate industrial applications. The course includes the testing of input and output responses to ladder diagrams students have programmed. The combination of graphic simulation software with PLC hardware enables students to test and correct control programs both online and offline.

Prerequisite(s): MFE 202

**MFE303 Advanced Automation and Materials Handling**

Hours 1

Advanced Robotics and Materials Handling explores robotic programming. Using RoboCell, a 3D solid-modeling robotic simulation software, students gain a greater understanding of the robotics concepts, and programming commands learned in Basic Robotics and Materials Handling. This course gives students the advanced skills needed to operate, maintain, program, and test robotic systems. In this course, students work with RoboCell to program and operate the robot. The activities challenge students to design solutions for industrial robotic applications, with emphasis on real industrial concerns, such as recording accurate positions, complicated movements, interfacing with peripherals, working with sensors, optimizing programming, and increasing productivity.

Prerequisite(s): MFE 203

**MFE326 Process Monitoring and Control**

Hours 1

The Pressure Process Control course offers students hands-on training in the measurement and control of pressure processes using open loop, on/off loop and three-element (PID) control methods. The Pressure Process Control training system serves to demonstrate and teach the measurement and control of pressure processes. The system gives students a solid understanding of the fundamentals of instrumentation and industrial process control. The course uses Process Motion simulation control software to control a virtual training panel for the practice the measurement and control of pressure processes using open loop, on/off loop and three-element (PID) control methods. Students raise and lower air pressure to preset levels using manual control and auto-tuning methods. Students learn how the E/P converter with the control valve affects a preset pressure in the air tank. They create variable demand and supply disturbances by manipulating the panel's valves. Students also learn to optimize the parameters for PID control of pressure and to verify controller tuning.

Prerequisite(s): MFE 226

**MFE332 Quality Control In Manufacturing Systems**

W

Hours 3

The course covers the foundations of modern methods of quality control applied to manufacturing industries. Writing proficiency is required in this course. This course has a W (writing) designation, thus, writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Both individual weekly assignments as well as the midterm project will be used to assess the writing proficiency of the student. Writing grading rubrics will be available when the assignment is made. All assignments will be graded and returned to the student within a week of submission.

Prerequisite(s): GES 400

Writing

**MFE338 Introduction to Industry 4.0**

Hours 1

The world is at the onset of the Fourth Industrial Revolution and this revolution is driven by the smarts in automating decision making and processes. Advancements in IT has resulted in immense improvements in computational power across nearly all electronic devices and enhanced capabilities in connecting the dots in an increasingly networked society. Digital platforms in the Cloud provides a perfect canvas for inventing new business models and for intelligent algorithms to analyze data and derive knowledge for operationalize use by cyber physical systems. This course provides a comprehensive coverage on, among others, the role of data, manufacturing systems, various Industry 4.0 technologies, applications and case studies. In particular, we also draw input from researchers and practitioners on what are the opportunities and challenges brought about by Industry 4.0, and how organizations and knowledge workers can be better prepared to reap the benefits of this latest revolution.

Prerequisite(s): MFE 262

**MFE342 Fundamentals of Materials Processing**

W

Hours 3

The course covers the scientific and engineering principles relevant to materials production. Methods for production of major materials as well as advanced topics including nanofabrication are also discussed in the course. This course has a W (writing) designation, thus, writing proficiency is required for a passing grade in this course. A student who does not write with the skills normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): AEM 250 and AEM 251 and ECE 320

Writing

**MFE385 Metrology**

Hours 4

The course deals with the use of measuring instruments such as micrometers, Vernier calipers, scales, go & no-go gages, gage blocks, surface plates, comparators, and coordinate measuring machine. It also includes discussion of metrology-related concepts such as precision, accuracy, standards, repeatability, and reproducibility are discussed in the course. This course has a lab component.

Prerequisite(s): AEM 250 and AEM 251 and ENGR 161

**MFE390 Capstone Experience: Manufacturing Engineering Design 1**

Hours 3

Introduction to application of concepts and techniques of manufacturing systems design. Guest lecturers present professional aspects of engineering. The Capstone Design Project of a manufacturing problem is begun and carried on through MFE 490.

Prerequisite(s): MFE 332 and MFE 385 (Note that MFE 490 must be taken next semester)

**MFE442 Advanced Materials Science and Additive Processes**

Hours 3

Introduces advanced materials for engineers, emphasizing the production, structure, property and application of advanced materials for manufacturing processes. The course also discusses the principles of additive manufacturing.

Prerequisite(s): MFE 342

**MFE473 Discrete Simulation of Manufacturing Systems**

C

Hours 3

This course is designed to introduce engineering student to basic simulation modeling concepts and techniques. The course material emphasizes stochastic and discrete computer simulation. This course has a C (computer) designation, students will have to show proficiency in the use of the Arena software to successfully pass the course.

Prerequisite(s): MFE 290 and MFE 385

Computer Science

**MFE483 Computer Aided Manufacturing**

C

Hours 3

The course introduces the concept of Computer Aided Manufacturing which deals with the design of components to manufacturing and also includes planning and controlling the processes. Students will be familiar with its hardware and software and also able to write programs for machining. This course has a C (computer) designation, students will have to show proficiency in the CNC programming (i.e., G-Code and M-Code) to successfully pass the course. This course provides additional instruction related to computing skills and applications.

Prerequisite(s): MFE 290

Prerequisite(s) with concurrency: ME 383

Computer Science

**MFE485 Modern Manufacturing Practices II**

Hours 3

The course deals with the investigation of contemporary technologies and approaches for the analysis, design, and development of manufacturing systems.

Prerequisite(s): ME 383

**MFE490 Capstone Experience: Manufacturing Engineering Design 2**

Hours 3

Semester-long practicum in which three or four-person teams serve as consultants to an industrial client. Emphasis is on conducting a professional design study and preparing written and oral presentations of the project results.

Prerequisite(s): MFE 390 or ME 489

**MTE121 Introduction to Materials**

Hours 1

An introduction to the materials science and engineering profession and history. The course includes selected topics useful in the study of metallurgical and materials engineering.

**MTE252 Metallurgical Process Calculations**

Hours 3

Mathematical quantitative relations of chemical reactions and physicochemical processes; principles of overall mass and energy balances and the application of these principles to metallurgical systems.

Prerequisite(s): CH 102, ENGR 103 or ENGR 123, and MATH 125

**MTE271 Engineering Materials : Structure and Properties**

Hours 3

Basic structure of ceramics, alloys, composites, metals, and polymers. Relationships between the structure of materials and their mechanical, electrical, magnetic, thermal, and chemical properties.

Prerequisite(s): CH 100 or CH 101 or CH 117; MATH 125 or MATH 145

**MTE275 Engineering Materials Laboratory**

Hours 3

Alloy preparation and processing of materials. Materials testing and evaluation, laboratory procedures and techniques, metallography, heat treatment, phase diagrams, hardenability, and mechanical testing. Introduction to technical report writing and application to written laboratory reports.

Prerequisite(s): EN 101

Prerequisite(s) with concurrency: MTE 271

**MTE316 Fundamentals of Metal Casting**

C

Hours 4

Metal castings principles including pattern design, molding materials, conventional and digital molding methods, sand testing, solidification, risering and gating of castings, casting and mold design, microstructure and casting defects and their influence on mechanical properties. Computer proficiency is required for a passing grade in this course.

Prerequisite(s): MTE 275 and MTE 362

Computer Science

**MTE353 Transport Phenomena in Metallurgy**

Hours 3

Definition of viscosity, elements of laminar and turbulent flow, and overall mechanical energy balance. Thermal conductivity, steady and transient conduction problems, forced and natural convection, heat transfer, and radiative heat transfer. Definition of binary diffusivity, convection mass transfer, and mass transfer coefficient. The application of the principles covered in the design of specific metallurgical systems.

Prerequisite(s): MATH 238 and MTE 252

Prerequisite(s) with concurrency: MATH 238

**MTE362 Thermodynamics Of Materials**

C

Hours 4

The fundamentals of thermodynamics applied to typical metallurgical processes and reactions, heterogeneous equilibrium, behavior of solutions, standard states, phase diagrams. Emphasis is placed on the use of basic thermodynamic data, graphical representations of thermodynamic data and equilibrium, and the application of using computational tools to solve problems. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MTE 252

Computer Science

**MTE373 Physical Metallurgy**

W

Hours 4

Introduction to the principles of physical metallurgy. Topics include crystal structure, deformation, dislocations, point defects, diffusion, phase diagrams, interfaces, nucleation theory, transformations, and growth. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MTE 271 and MTE 362

Writing

**MTE380 Synthesis, Processing and Manufacturing of Materials**

Hours 3

Materials Processing fundamentals as they affect dimensions and microstructure of materials and their application in engineering practice. Survey of classical and modern manufacturing processes for engineering materials.

Prerequisite(s): MTE 271

**MTE412 Polymer Materials Engineering**

Hours 3

Introduction to the manufacture, processing and applications of organic polymeric materials. The chemistry of polymer manufacture, the molecular structure of polymers, and the structure-property relationships for thermoplastic and thermosetting polymers are covered.

Prerequisite(s): CH 102

**MTE439 Metallurgy Of Welding**

Hours 3

Thermal, chemical, and mechanical aspects of welding using fusion welding processes. The metallurgical aspects of welding, including microstructure and properties of the weld, are also included.

Prerequisite(s): MTE 380 or permission of instructor

**MTE441 Chemical Metallurgy**

Hours 4

Application of thermodynamics, fluid flow, and heat and mass transfer to the design and operation of chemical metallurgical processes; roasting, agglomerating, oxidation and reduction reactions, smelting, converting, and refining.

Prerequisite(s): MTE 353 and MTE 362

Prerequisite(s) with concurrency: MTE 443

**MTE443 Materials Engineering Design I**

Hours 3

Principles of engineering design. Problem formulation, concept design, configuration design, parametric design, detail design, materials selection, manufacturing process selection, prototyping, project planning and cost analysis, application of computer-based design tools, concepts of shared responsibility, teamwork and communication. Analysis of problems, design and development solutions. Oral presentations and written reports. A project will be assigned. Final project presentations will be evaluated by the MTE faculty.

Prerequisite(s): EC 110 or EC 112; MTE 362, MTE 373, MTE 380

Prerequisite(s) with concurrency: MTE 441 and MTE 481

**MTE445 Materials Engineering Design II (W)**

Hours 3

Capstone design course. Students work in teams on design projects which involve evaluation of industrial based metallurgical or materials problems and emphasize societal impact. Implementation of design principles and the research plan developed in MTE 443. Interim and final design reviews with oral presentations and written reports. Final project presentation will be evaluated by the MTE faculty. Writing proficiency is required for a passing grade in this course.

Prerequisite(s): MTE 416, 441, 443, 455, and 481

**MTE449 Powder Metallurgy**

Hours 3

The course will cover the topic of powder metallurgy, describing the various types of powder processing and how these affect properties of the componentss made. Current issues in the subject area, from high production to nanomaterials will be discussed.

Prerequisite(s): MTE 373 and MTE 380

**MTE450 Plasma Processing of Thin Films**

Hours 3

This course will cover fundamental technology involved in thin film processing. Plasma deposition and etch technology will be discussed. The basics of plasma processing equipment will be detailed, with special emphasis on sputtering tools. A range of thin film applications will be explored, with examples of magnetics, semiconductor, optical, and medical applications. The fundamentals of process optimization using a Design of Experiments will be taught with a test case of process optimization for the final exam.

Prerequisite(s): PH 106 or PH 126, and CH 102, or permission of instructor.

**MTE455 Mechanical Behavior Of Materials**

Hours 4

Flow and fracture of solids; uniaxial stress-strain as a reference behavior; theories of terminal stability under impact; monotonic, sustained (creep), and repeated (fatigue) loadings of solids under various states of stress.

Prerequisite(s): AEM 250 or permission of instructor.

**MTE467 Strengthening Mechanisms in Materials**

Hours 3

Mechanisms and micromechanics of strengthening in engineering materials. This course covers the physical phenomena that contribute towards high mechanical strength in engineering materials. Principles for designing high strength materials will be addressed.

Prerequisite(s): MTE 455 or equivalent: or permission from instructor

**MTE481 Analytical Methods For Materials**

W

Hours 4

Crystallography, physics of X-rays, diffraction by crystalline materials, applications of X-ray, electron and neutron diffraction, and spectrometric analysis of materials. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MTE 271 and MTE 373 or permission of instructor.

Writing

**MTE487 Corrosion Science & Engineering**

Hours 3

The course is aimed at investigating the underlying fundamental causes of corrosion problems and failures. Emphasis is placed on the electrochemical reactions occurring and the tools and knowledge necessary for predicting corrosion, measuring corrosion rates, and combining these with prevention and materials selection.

Prerequisite(s): MTE 271 and CH 102 or permission of instructor.

**MTE491 Special Problems**

Hours 1-3

An assigned problem is explored individually. Credit is based on the amount of work undertaken.

**MTE492 Special Problems**

Hours 1-3

An assigned problem is explored individually. Credit is based on the amount of work undertaken.

## Honors College Courses

**RRS101 Randall Research Scholars Freshman Seminar 1**

C, UH

Hours 4

Taken by first-year students in the Randall Research Scholars Program, this course provides an accelerated introduction that uses algorithmic thinking to develop computational artifacts. Open only to students admitted to the Randall Research Scholars Program. Computing proficiency is required for a passing grade in this course.

Computer Science, University Honors

**RRS102 Randall Research Scholars Freshman Seminar 2**

C, UH

Hours 4

Taken by first-year students in the Randall Research Scholars Program, this second freshman year course provides an accelerated introduction to additional computational techniques as well as project management techniques. Open only to students admitted to the Randall Research Scholars Program. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): RRS 101 with a minimum grade of B.

Computer Science, University Honors

**RRS201 Randall Research Scholars Sophomore Research Seminar 1**

C, UH

Hours 3

Sophomore RRS research seminar where students work as undergraduate research assistants with faculty members on computational research projects. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): Successful completion of RRS 102 with a minimum grade of B+.

Computer Science, University Honors

**RRS202 Randall Research Scholars Sophomore Research Seminar 2**

*UH*

Hours 3

Sophomore RRS research seminar where students work as undergraduate research assistants with faculty members on computational research projects.

Prerequisite(s): Successful completion of RRS 201.

University Honors

**RRS301 Randall Research Scholars Junior Research Seminar 1**

*UH*

Hours 3

Junior RRS seminar where students work as undergraduate research assistants with faculty members on computational research projects.

Prerequisite(s): Successful completion of RRS 201.

University Honors

**RRS302 Randall Research Scholars Junior Research Seminar 2**

*UH*

Hours 3

Junior RRS seminar where students work as undergraduate research assistants with faculty members on computational research projects.

Prerequisite(s): Successful completion of RRS 201.

University Honors

**RRS425 Randall Research Scholars Research Project**

*UH*

Hours 1-6

This is an independent study course, with variable credit. Students develop a research project contract with semester project deliverables to the RRS office by the second Friday of the semester. Students meet with their project supervisors on a regular basis throughout the semester. Prior approval from the RRS Program Director is required to register for this course.

Prerequisite(s): Successful completion of RRS 201.

University Honors

**RRS451 Randall Research Scholars Senior Research Seminar 1**

*UH*

Hours 3

Senior RRS seminar where students work as undergraduate research assistants with faculty members on computational research projects.

Prerequisite(s): Successful completion of RRS 201.

University Honors

**RRS452 Randall Research Scholars Senior Research Seminar 2**

*UH*

Hours 3

Senior RRS seminar where students work as undergraduate research assistants with faculty members on computational research projects.

Prerequisite(s): Successful completion of RRS 201.

University Honors

**UFE101 Understanding Poverty**

*UH*

Hours 3

This seminar on the legal issues, economics, history, politics, and sociology of poverty will begin developing the students' understanding of systemic injustices and the need for social change, as well as provide context for experience in meaningful community engagement in future semesters.

University Honors

**UFE102 Social Investing and the Role of Innovation**

*UH*

Hours 3

Seminar experience in which knowledge gained during UFE 101 is applied through the hands-on experience of assessing needs, and designing projects to intervene in systemic poverty in direct partnership with community leaders in the Black Belt region of Alabama.

University Honors

**UFE201 Systemic Change Through Social Entrepreneurship**

*UH*

Hours 2

This course will expand on the students' understanding of systemic change. Students will examine theories of systemic change through highlighted successes of change agents who have effected change in their systems of influence. Throughout the semester, students will develop their own plan for enacting change in their system of choice, while also exploring ideas of ethical leadership, emotional resiliency, and creativity.

University Honors

**UFE202 Social Innovation for Collective Impact**

*UH*

Hours 2

Seminar experience in which knowledge gained and plans developed during UFE 201 are applied through the hands-on experience of assessing systemic needs, and implementing projects in direct partnership with leaders in the systems of the students' choice.

University Honors

**UFE301 Leadership and Change: A Global Perspective**

*UH*

Hours 1

This course will focus the students' understanding of systemic change in the global perspective. Specifically, students will become familiar with the international community, including political histories, assessments of strengths and needs, and opportunities for effecting change.

University Honors

**UFE302 Making an Impact in a Global Society***UH*

Hours 1

Following the classical purpose of education, the production of good citizens, the University Fellows Experience strives to prepare the most able and dedicated students at The University of Alabama for remarkable lives of leadership in and service to their community, state, nation, and world. Thomas Henry Huxley wrote, "The great end of life is not knowledge, but action." Similarly, our mission is to shape and enable students with exceptional innate gifts and abilities to use the knowledge gained for leadership and service. It is expected that throughout their lives, University Fellows will make a difference for the good, again and again. Through this course students will explore and challenge their worldviews while also furthering their understanding of their roles as global citizens. Students also will examine issues and challenges of systemic change on the global scale and evaluate cases of leadership that affected change for the good. Guest speakers with pertinent expertise will be a critical contribution to the learning environment.

Prerequisite(s): UFE 201, UFE 202, or UFE 301

University Honors

**UFE303 Making an Impact in a Global Society***UH*

Hours 1

The University Fellows Experience strives to prepare students for remarkable lives of leadership in and service to their community, state, nation, and world. Three questions guide the program: Engaged citizenship: What does caring deeply about the world look like? Empathetic, dynamic leadership: What are best practices for effective leadership in today's highly dynamic and diverse environment? Ethical, transformative scholarship: What does it mean to be a transformative, ethical scholar? Through a study-abroad experience in (selected country). This course offers students the opportunity to ponder and confront the issues and challenges related to systemic change on the global scale. Students also explore and challenge their worldviews while broadening their understanding of their roles as global citizens.

Prerequisite(s) with concurrency: UFE 302

University Honors

**UFE400 Magnum Opus Experience***UH*

Hours 3

The Magnum Opus Experience is a course that provides a context for University Fellows to apply the knowledge, skills, and attitudes acquired over their courses of study to the planning, development, completion, and evaluation of an academically-based or inspired project. Students will develop a senior practicum project plan in partnership with a faculty advisor. Project examples include: -Creating a social enterprise, -Launching an organization or movement associated with academic focus, -Conducting community-based research, -Producing a research paper, or -Making a documentary or book.

University Honors

**UH100 Honors Year One: Honors Connections***UH*

Hours 2

Honors Connections introduces first-year students to the UA Honors College experience. The aim of this course is to aid each student in finding and interrogating their place within the Honors College, the University of Alabama and the greater community. Students will learn and practice the key concepts of engaged scholarship, including critical and creative thinking, ethical and empathic dialogue, and collaborative and inclusive leadership. Students will gain a practical understanding of the Honors College and their role within it, while also building relationships that foster continued participation in the kinship of scholars.

University Honors

**UH102 Freshman Common Book Experience***UH*

Hours 1

The Freshman Common Book Experience involves our communal discussion of issues raised in the selected book for the incoming freshman class. The overall theme of the course is to introduce students to the seminar experience – one of the core principles of an Honors education. The skills that are practiced in a seminar provide the opportunity to grow in the timeless method of learning where deep, critical reading is followed by a discussion of texts. Further, the seminar provides the opportunity for students to practice speaking about and forming critiques of the ideas encountered. In a seminar, there is no final authority on matters of discussion. Instead, the purpose is learning to be a better critical thinker, listener, and interpreter through the seminar experience itself.

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

University Honors

**UH103 Honors Action***UH*

Hours 1

In this six day, one-credit hour introductory course, students are immersed in the foundations of the Honors College and community engagement. Students attend a daily lecture series followed by small discussions. The guest lectures and discussions address issues such as poverty, cultural capital, engaged citizenship, and service learning. In addition to the lecture series and small group discussions, students participate in daily service-learning projects at local public schools. The Honors College common book, in addition to supplementary resources as provided, will be assigned reading for this course and will link to the course themes from the lectures and service projects.

University Honors

**UH110 Honors Year One: Honors Engagement***UH*

Hours 2

Honors Engagement introduces first-year students who have completed their first semester of study to the UA Honors College experience. The aim of this course is to aid each student in finding and interrogating their place within the Honors College, the University of Alabama and the greater community. Students will learn and practice the key concepts of engaged scholarship, including critical and creative thinking, ethical and empathetic dialogue, and collaborative and inclusive leadership. Students will gain a practical understanding of the Honors College and their role within it, while also building relationships that foster continued participation in the kinship of scholars. Instruction will include lecture, guest speakers, and small group discussions with Honors College student mentors. Student reading, writing, and reflection will be emphasized and connected to the examination of the Honors College and wider academic communities.

University Honors

**UH111 Honors Common Book***UH*

Hours 1

In this course, students will study and discuss the Honors Common Book (chosen annually).

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

University Honors

**UH121 Leadership Lessons from Jazz***FA, UH*

Hours 1

Through Frank Barrett's *Yes to the Mess* and Wynton Marsalis' *Moving to Higher Ground*, we will explore examples of how the world's best, most admired leaders not only survive and thrive in today's rapidly changing world, they create and innovate by leading their teams using the same principles and philosophies that jazz musicians do. We will explore how these principles, philosophies and actions, at the core of jazz music and culture, can help you become a better, more successful leader, and to be more stable in an increasingly unstable world. Experiences with the actual music are a bonus, but at the same time, are necessary and integral to understanding how these concepts apply to non-musical environments.

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

Fine Arts, University Honors

**UH129 Honors Special Topics***UH*

Hours 1-6

Special Topics.

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

University Honors

**UH130 The Legacy of Kings: Judeo-Christian Kingship in Pop Culture***HU, UH*

Hours 3

This course explores the Ascension Story, an adaptation of Joseph Campbell's "Hero's Journey," through an in-depth comparative analysis between a) Judeo-Christian monarchical concepts as recorded in the Hebrew/Christian sacred texts (primarily 1 Samuel- 2 Chronicles, prophetic books, and gospels) and b) Final Fantasy XV, a 2016 video game that reimagines those same kingship narratives. Topics addressed within the Ascension Story include the Trials of a King, Kingly Relationships, a King's Responsibility, and a King's Deliverance of Order to Chaos. Concepts of ancient near-eastern kingship, Levitical priesthood, religious prophecy, and messianic hope will be fully analyzed. The course addresses questions of moral virtue and leadership ethics in the humanistic fields of religious literature, theological studies, and secular and sacral kingship archetypes. This course also examines the broad implications that sacral kingship/leadership has on cultural identity, with attention to Egyptian, Mesopotamian, and Jewish narratives. Rather than primarily measuring proficiency in writing, this course emphasizes the history and appreciation of sacred texts and ancient near-eastern kingship narratives.

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

Humanities, University Honors

**UH140 Narratives of Change***HU, UH*

Hours 3

This course will explore the history of storytelling and how stories and storytelling connect people, create cultural understanding, and effect change. This course will take a global, analytic perspective on storytelling and American narratives. We will develop a vocabulary for discussing the relationships between narratives and social change and analyze written and oral narratives and the cultural and historical contexts that surround them. We will concentrate specifically on narratives of marginalized writers in American literature, various narrative forms of 20th century and modern American literature, and the Honors College Common Book. We will also explore how we shape and interact with narratives in our own lives, examining the question, "Who are you?"

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

Humanities, University Honors



**UH141 Work, Play, and Meaning***HU, UH*

Hours 3

This course explores how work and leisure influence our everyday lives. Are we governed by the necessity of work, while we pursue momentary havens of leisure? Or, is it the other way around? Is it because of the necessity of leisure in our lives that we pursue work at all? When are we most ourselves? From Nietzsche's *The Birth of Tragedy* which explored the antagonism between the Apollonian and Dionysian spirits, to Max Weber's *The Protestant Work Ethic and the Spirit of Capitalism*, to modern movies such as *Office Space*, the tensions between, not just work and leisure, but ultimately meaning as well, provide productive spaces for exploration.

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

Humanities, University Honors

**UH142 The American Working Class***UH*

Hours 2

This course will delve into two accounts of what it is like to live in the American working class: *Nickel and Dimed* (Barbara Ehrenreich), which provides an eye-opening, first-hand account of what it is like to hold a minimum-wage job in three American cities in the late 1990s, and *Deer Hunting with Jesus* (Joe Bageant), in which the author uses humor in his account of what he learned since moving back to his small hometown of Winchester, Virginia after living in other parts of the country. The purpose of this course is to get students to think outside of the binary (that you have to be liberal or conservative to care about issue x) and to provoke classroom discussions in which students are able to process the subjects and themes that the texts reveal and to learn how others' lived experiences may have influenced their beliefs and perception.

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

University Honors

**UH143 Language, Society, and Transformation***UH*

Hours 3

This course is an introduction to the study of the influence of society and language on each other as well as on individuals. Students will explore the role of language in society and in their own personal development, paying particular attention to the influence of learning an additional language – before and during experiences in other communities. That is, students will reflect on how acquiring another language may change them and impact their own identities. Additionally, students will further refine their understanding of culture and knowledge via discussions. Throughout the semester, this course will strive to understand the impact of varied linguistic experiences in other countries and communities on personal development and on society.

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

University Honors

**UH144 The Language of the Blues***UH*

Hours 1

From the Mississippi Delta to Memphis to Chicago then to London and back, The Blues are a potent means of communication, a powerful and persuasive connection. They are a language. Through them, artists and their audiences found a distinct voice that could share and engage emotion, meaning, time, place, change and identity. Students listen to and examine the communicative power of The Blues, and the Blues 'language', what they say, who says it, who hears it, what they hear, and how meaning is created and taken. Students will listen to blues alongside a wide range of readings, including Wittgenstein's *Language Games*, Foucault on how power is found in everyday language, James Baldwin's *Sonny's Blues* and Zora Neale Hurston's *Their Eyes Were Watching God*.

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

University Honors

**UH145 The Chemistry of Baking***UH*

Hours 1

This course will cover the fundamentals of baking science, focusing on the chemistry and biology concepts interlaced within the art of baking. Students will be introduced to the foundational chemistry and reactions of macromolecules in the baking process, with an emphasis on the characteristics and contributions of ingredients, temperature, techniques, and flavorings. Critical interactions between molecules and component behaviors will be covered, as well as essential process features such as heat transfer and duration. The students will employ critical thinking in the evaluation of the technical and scientific aspects of baking (i.e. heat transfer, reactions, quality control), and creative skills in the practice of baking or troubleshooting and development required of a baker. Students will learn about social/personal and professional baking, considering creative ideology and personal value versus scale and consistency. The cultural influences on baking will be integrated, and a perspective on the geographical relevance of available/conventional ingredients will be discussed.

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

University Honors

**UH180 Mosaic: An Experimental Multimedia Project***UH*

Hours 3

An experimental magazine class that produces, from scratch, an online magazine, website and social media. Students can specialize in writing, editing, graphic design, photography/videography and/or website or social media. The class also helps both on and off campus organizations with multimedia projects that need such expertise as a support service. Students also focus on examining the nature of the communication functions of their creative work with other Mosaic students and with non-creative sources and subjects they interact with in their work. Student staff will work with the aid of UA staff/faculty instructors and advisers.

Prerequisite(s) with concurrency: UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

University Honors

**UH200 Life as a Scholar***UH*

Hours 2

This course takes "the idea of a scholar" as its theme. Students will examine definitions of education and the university, contrasts and conflicts for students and scholars within academic life, and the "life of the mind" conceptualization of higher education as preparation for lifelong learning. These themes will be explored through detailed readings and class discussions. Moreover, it includes a strong component of comparing and contrasting our readings and class discussions with scholarly life at the University of Alabama, both current and historical.

Prerequisite(s): UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

University Honors

**UH201 Classics & Western Culture***HU, IH, UH*

Hours 3

This course introduces students to the western literary canon from the ancient to the medieval period. Writers to be studied include Homer, Sophocles, Virgil, and Dante. Satisfies HU core curriculum designation.

Prerequisite(s): UH 205 or EPIC 201 and EPIC 202

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Humanities, International Honors, University Honors

**UH204 Classics & African Culture***UH*

Hours 3

Examines the impact of the classics on African culture, focusing on reading and writing about the concept of identity in African civilizations and cultures. Students will become familiar with classic works that represent current themes in African culture and societies such as oral tradition, use of language, community, post-colonial influence, and gender roles.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH205 Social Foundations of Community Engagement***HU, UH*

Hours 3

As a "prelude" to service learning, students will understand the philosophical structure of "public goods" (e.g., education, health care, housing, etc.) and how they relate to specific needs in public spaces which are used for the betterment of communities. Students will explore the possible causes of political, educational, social, and economic inequalities as well as the benefits, responsibilities and limits of the service response to public problems. The course provides a basic understanding of what the purpose of "public goods" are and how society actualizes these currencies.

Prerequisite(s): UH 100 OR UH 110 OR BCE 102 OR UFE 101 OR BUI 101 OR GBA 171 OR GBA 172 OR IDMD 101 OR RRS 101 OR (EPIC 101 AND 102)

Humanities, University Honors

**UH207 Classics & Asian Culture***UH*

Hours 3

This course introduces students to some of the classic texts of Eastern Civilization. The particular focus of this course will be Ancient China. Students will cover the origin and development of the Chinese intellectual tradition; in particular, the ethical and politics topics that can be grouped under "the way" (dao, #), as this was the central concern of writers and thinkers in the period. Specific topics to be discussed include: "Is human nature fundamentally good or fundamentally bad?"; "How can we best achieve an enduring social order?"; "What is the shape of a life well lived?"; "Is the development of civilization conducive to human flourishing?". Figures to be studied include Sunzi, Kongzi (Confucius), Mozi, Mengzi (Mencius), Laozi, Zhuangzi, Xunzi, Han Feizi, and Sima Qian. A primary goal of the course is to expose students to the richness, vitality, and plurality of the Ancient Chinese intellectual tradition.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH208 The Scholar's Life after Graduation***UH*

Hours 3

What's next for you after graduation? Is it graduate or professional school or will you be headed into the workforce? Do you have a plan for how to develop and market your most successful personal and professional self? This course will provide students with the knowledge and resources needed to prepare for life after their undergraduate academic career. Students will explore concepts of career readiness, articulate their personal strengths/weaknesses/values, set and pursue personal and professional goals, and develop a strong professional portfolio. This course also seeks to help students understand the importance of personal branding and networking, effective communication, collaboration with an array of persons and backgrounds, emotional intelligence, and leadership.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH211 Power***SB, UH*

Hours 3

This course will focus on the notion of cultural and social power. Course materials will investigate historical and contemporary negotiations of power and how power is disseminated within cultural contexts. Students will be asked to critically examine how individual power and systemic power operate in their own lives. This critique will certainly begin with an examination of the students own identity and agency within their contexts. The course is concerned primarily with social structures, processes, institutions and how they hold and disseminate power.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Social and Behavioral Sciences, University Honors

**UH215 Moral Forum***HU, UH*

Hours 3

This class seeks to introduce University Honors Program students to moral discourse and civil deliberation via the analysis of one particular controversial moral resolution. Student teams will then participate in the Moral Forum Tournament, where they will be required to use ethical theories to argue for and against the resolution. The moral issue to be examined in the course changes each semester. Topics are based on current events that offer varied, balanced arguments from multiple ethical perspectives.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Humanities, University Honors

**UH221 Improvisation in Life: Concepts, Techniques, and Philosophy of Improvisation Through Music***FA, UH*

Hours 3

A course in the practicality / functionality of improvisation via sound with an eye toward philosophical aspects of improvisation in all the arts and the relationship to other non-arts related disciplines. The goal is to generate creativity and new perspectives in the student's primary course of study and life, in general, by exploring the art of improvisation.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Fine Arts, University Honors

**UH222 Art for Life's Sake***FA, UH*

Hours 3

The Art for Life's Sake course is an exploration of the artistic process and its application in everyday life. Our primary goals are to study, communicate, and increase the practical application and implementation of art philosophy, core concepts, and principles of creation into both academics and everyday life; synthesizing creativity, open-mindedness, authenticity, and innovation into a holistic, mindful approach, with a concerted effort to increase not only human technological and physical progress, but also psychological freedom, mental fitness and general well-being. Art is a process of exploration, externalized. Human beings are inherently artistic. Therefore, any human activity can be expressed artfully. Our goal is, simply put: to become aware of this phenomenon and learn to practice it in all aspects of our lives.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Fine Arts, University Honors

**UH223 Books: Past, Present, and Future***FA, UH*

Hours 3

What is the book's place in history, and what does the future hold for it? In this transdisciplinary course, students will investigate the close relationship between major world religions and the bookbinding industry, the impact that innovations in printing and binding technology have had on literacy rates throughout the world, the role of women in bookbinding through history compared to women working with books today, and what the rise in digital books, audiobooks, and eReaders mean for the publishing industry today and future of the traditional book. Students will also have some hands-on instruction in bookbinding and will create East Asian accordions, Japanese stab bindings, Coptic bindings, and Ethiopian bindings. Throughout the semester, students will be assigned readings over the history, present, and future of the book, leading to a final research paper that speaks to the student's specific area of interest.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Fine Arts, University Honors

**UH224 The Indestructible James Bond***UH*

Hours 3

This course introduces students to both the imaginary world of James Bond and the real life of the novelist Ian Fleming. The course will also explore real-life British commando assignments, including the work of the Special Operations Executive (SOE), whose members included Peter Fleming, Ian's elder brother. The famous 007 films vary widely in quality, but Fleming's novels were painstakingly researched and carefully written. Students will read several novels and watch a few films.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH225 Paper and Culture***UH*

Hours 3

This multi-disciplinary course will provide an overview of the cultural dimensions, history, and contemporary landscape of papermaking, including Eastern, Western, Mexican, and other papermaking traditions. Special emphasis will be placed on papermaking in the American South. Students will make paper by hand using a variety of techniques, and each student will design a research project using handmade paper as a medium for examining and critiquing significant aspects of culture and identity.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH227 Art and Science***UH*

Hours 1

This lecture and active learning course will cover the fundamentals of the science behind color and visual art media, focusing on the physics and chemistry involved in the production and perception of art.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH228 Honors Engaged Scholarship Special Topics***UH*

Hours 1

In addition to weekly class meeting patterns, students will be required to spend approximately 25 hours immersed in an "out of the classroom" experience/opportunity, which will vary each semester. This experience/opportunity might involve an approved community-based partner, non-profit organization, or K-12 city/county school or classroom. Students will work in collaborative teams providing solutions to project-based issues, problems, and experiences.

Prerequisite(s) with concurrency: UH 205

University Honors

**UH229 Honors Special Topics***UH*

Hours 1-6

Special Topics.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH230 UA Honors in New Zealand***UH*

Hours 3

Students will examine contemporary New Zealand neighborhoods and communities by purposefully employing 'engaged' and interactive discussions and conversations with (some of the) New Zealanders they encounter each day from a wide range of demographics, i.e. an ethnographic/communications approach. Students will rely on an instructor-generated list of talking points as a general guide. Classes will assemble most, but not all, days in New Zealand to debrief and discuss the day's conversations with the goal of (a) progressively getting a better understanding (than tourists) of New Zealand community life and (b) progressively getting better at asking people from another culture valuable (instead of predictable) questions and assessing, and following up on, answers. Students will also interact with New Zealand students and academic faculty to help build their understanding of neighborhoods and communities.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH231 UA Honors in Germany***UH*

Hours 3

The UA Honors in Germany program is designed to provide students with the opportunity to examine the many facets of recent history and of the contemporary situation of German society and engage in meaningful, reflective dialogue with international faculty and students through their experiences while visiting academic, cultural, business and industrial institutions in Karlsruhe, Strasbourg (F), Cologne, Hamburg, Berlin, Munich, and Stuttgart.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH232 UA Honors in Ghana***UH*

Hours 3

Ghana was the first country south of the Sahara to gain independence from British colonial rule and it continues to play a leading role in African development and prosperity to this day. This study abroad course functions as a broad transdisciplinary and multidisciplinary approach to the study of the culture, history, economics, politics, sociology and the natural environment of Ghana using innovation as a connective device. The class highlights Ghana's forward-thinking and progressive past, using the nation as a placeholder for both the future potential and current realities of homegrown growth on the continent. Students will experience Ghana's progress, seeing first-hand how technological innovations are affecting social and political realities across its width and breadth, and also have the opportunity to play a role in its development as they work alongside local university students in Industry and Innovation Unit at the University of Cape Coast to help develop creative solutions to existing problems. As a bonus, the course will provide a number of vectors for study and learning in various areas of Ghana; including visits to museums, historical sites, African markets, villages, cultural centers and lectures by Ghanaian professors, professionals, practitioners and parliamentarians.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH233 UA Honors in Scotland***UH*

Hours 3

Students will examine Scottish neighborhoods and communities, purposefully employing 'engaged' and interactive discussions and conversations with locals from a wide range of demographics, i.e. an ethnographic approach. These conversations, or interviews, will result in general class discussion and writing to examine cultural differences, place them in context, and develop increasingly productive approaches to future conversations. Regular debriefing sessions will include all students recounting encounters and finding value in them, and students critiquing each other's reports so that, as a group, they become better at knowing what to ask and how to ask it and at interpreting and understanding what they hear in answers.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH239 The Arts of Oxford***FA, UH*

Hours 3

In this study abroad course, students will study the many artistic objects, events, and histories of Oxford, England. Characteristic subjects include literature, architecture, gastronomic culture, music, sculpture, gardening, and painting.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Fine Arts, University Honors

**UH240 Origins of Western Thought: Epic Origins***HU, UH*

Hours 3

In this course, students study and discuss the foundations of Western thought through study of ancient and classical epic poetry (in English translation). Works studied may include The Iliad, The Odyssey, The Theogony, The Aeneid, The Metamorphoses, and On the Nature of Things.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Humanities, University Honors

**UH241 Origins of Western Thought: Athens***HU, UH*

Hours 3

This course, students study and discuss the foundations of Western thought through study of the history, philosophy, and drama (all in English translation) of classical Athens. Authors studied may include Aeschylus, Sophocles, Euripides, Aristophanes, Plato, Aristotle, and Thucydides.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Humanities, University Honors

**UH242 Love, Sex, Marriage, and Family: A Transdisciplinary Exploration***HU, UH*

Hours 3

This course will study and discuss theories and practices of love, sex, marriage, and the family from a variety of disciplinary perspectives (literature, film, sociology, history, anthropology, psychology, and/or philosophy). Readings and discussions will focus on the ethics of courtship, gender and sexuality, marriage, and parenting.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Humanities, University Honors

**UH243 The King James Bible***HU, UH*

Hours 3

Often considered the most influential book ever published, the King James Version of the Bible (1611) is a monumental cultural achievement. It encapsulates the Renaissance spirit of eloquence, and four hundred years after its publication, it remains the most frequently used translation of the Bible in the English-speaking world, especially in America. Given the historical, political, literary, and cultural prominence of this translation, this course takes a transdisciplinary approach to understanding how the book came into existence and what accounts for its popularity. The course begins by studying the complex history of how this translation came to be commissioned, who the translators were, how the translation was accomplished, and the politics involved in the translation. The course then critically studies the structures and styles of the KJB, with particular focus on examining genres and performing close readings of texts, as well as considering the political work often attributed to the text (i.e., how the book has been used to enslave and emancipate enslaved people, how it has been used to create and maintain patriarchy, etc). The course ends by paying particular attention to the history of the KJB in the United States, as we discuss the so-called "KJB-Only Movement." Therefore, rather than studying Jewish or Christian theology, this course aims to introduce students to issues surrounding the material book history of the KJB, its immense literary aesthetic, and its cultural influence.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Humanities, University Honors

**UH244 Women: Antiquity to Modernity***HU, UH*

Hours 3

This course examines the impact of the ancient world on the life of modern women. More specifically, this course examines the evolution of women's life, starting from ancient Greece and following its trajectory to the modern day. Ancient Greece, known for catapulting civilization to higher levels with its invention of democracy, political science, philosophy, the codification of laws and the professionalization of medicine among other achievements, shaped the world, for better or worse, as it is known today. This same culture, however, has excluded women from public life since the 5th century BC and has set the stage for pioneer women in the West to combat the perception of females as inferior beings and to struggle to enter higher education and public life and, eventually, gain voting rights. This socio-political framework helps to explore the gender ideologies that have impacted women's life since antiquity, the changes in the perception of women in the course of history, the origin and development of ideas about women's body and mind, as well as the role of race in regard to these issues. Understanding the gamut of theories and attitudes toward women, students can develop a better grasp of what women want today, where they are headed, what obstacles are still standing in their way and how they can overcome them to achieve their goals.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Humanities, University Honors

**UH245 The Hero's Journey***UH*

Hours 3

The heart of this course will be the study of the archetype of the hero's quest in the mythology and literature of adventure. Students will study and discuss theories and practices of Adventure from a variety of disciplinary perspectives (literature, film, sociology, history, psychology, philosophy). They will read classic adventure novels such as J.R.R. Tolkien's *The Hobbit*, as well as stories that challenge the very idea of 'adventure', such as Samuel Beckett's "The Expelled." Through a transdisciplinary lens, students will analyze representations of identity, belief, and class in these novels, supplementing the readings with contemporary films like Wes Anderson's *Moonrise Kingdom* and Werner Herzog's *Grizzly Man*.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH246 Recreating Africa: Diasporic Imaginings of Race and Space***UH*

Hours 3

What does it mean to be African? Black? Are the terms bound by racial, ethnic, or spatial limitations? Who possesses the rights of access to the cultural products and expressions unique to the continent and her descendants? In this course, students will examine how the concept of Africa, as both home and identity, is recreated and imagined through a variety of disciplines and sources (history, sociology, religion, art, media studies, anthropology, psychology, linguistics). During lectures and weekly discussions, and through words, pictures, sounds, and live performance, they will examine objects and stories that collectively make up contemporary expressions of global Africanity. Students will explore questions of home, identity, Afropolitanism, continuity, appropriation, authenticity, historical memory, and creolization using examples from academic scholars, literary figures, and popular culture. Looking and listening closely, students will observe the wide range of African cultural practices present within literature, film, music, artwork, communication styles, dress, and beauty standards to develop a critical understanding of not only how these practices continue to unfold on the African continent, but how they are also transformed by and endure throughout its many diasporas.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH251 The Legislative Process***UH*

Hours 3

This course asks “What” the normal legislative process was and is currently; “How” societal changes will affect current and future law making; and “Why” did we get into this condition? This course will take into consideration public demands, business interests, racial equality, and the working-class poor as influences on law making. The class will discuss immigration, abortion, taxes, health care, and other “Hot Button” issues faced by elected officials. Changing technology in business and buying habits of the public are some of the factors affecting the law-making process. The class will discuss and discover the “what, how, and why” of the political polarization and the extreme divisiveness of social and business issues.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH252 The Changing Electorate***UH*

Hours 3

Gain practical insights into the election process. Hear from state and local election officials, candidates, and campaign managers. Learn about candidate decision-making, influences on elections, political parties, and the effect of money on elections. The class will meet and interview state and local leaders of political parties, governments, industries, and those who conduct elections. Each student will interview elected officials in their home state.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH253 Law and Popular Culture***UH*

Hours 3

This course will examine the relationship between the reality of the law and its depictions in television shows and films. Students will focus on the facts and the fiction of the legal process. This course will start by examining the role and position of law in both historical and modern societies and move from there into the examination of different legal institutions and study how these facets of the law are represented in movies and television shows. Additionally, students will examine the opposite perspective: how does popular culture, and in particular law as portrayed in moving images, affect real law?.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH254 Alabama: History, Politics, Policy, Law***UH*

Hours 2

This seminar is about the state of Alabama—its history as well as the public policy issues and culture that grew out of that history and the efforts to reform the injustice embedded in Alabama’s public policy. Students will discuss the readings divided in four units, pondering the objective substance “facts” and subjective questions “why”.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH260 Build Your Position! – Ethical Case Studies Made Practical***UH*

Hours 3

This course is about empowering students to develop an opinion about highly controversial topics in current public discussion. The participants will be encouraged to find and create building blocks based on conceptions of philosophical and theological ethics. In addition to introductory lectures, book discussions, films, and other media, role playing and mock debates will be used as tools to help sharpen argumentation. Possible topics include: “Blue or Red: Why and What Kind of Democracy Do You Want?,” “Labor Unions: Engines or Brakes to Societal Progress?,” “Immigration: Opportunity or Threat?,” “Abortion: Murder or Human Right?,” and “Confederate Flag: Heritage or Hate?”.

Prerequisite(s): EPIC 201 and EPIC 202

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH261 Issues & Trends in Healthcare***UH*

Hours 3

The course is designed to enhance the learning and understanding of healthcare and its impact on our changing world. The course serves as an introduction to health care, in which trends and issues will be identified and discussed. In addition, technology in health care delivery, applications, decision-making, planning, and research will also be addressed. The course focuses on understanding the role of the health care professional in health care education, practice, and research. The course also explores health care from the perspective of the health care consumer.

Prerequisite(s): EPIC 201 and EPIC 202

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH262 Introduction to Mock Trial***UH*

Hours 2

This course is designed to help educate students on the techniques and skills useful in collegiate mock trial. It gives students the opportunity to hone the necessary skills before beginning their journey into the competitive sphere that is collegiate mock trial. Enrolled students are offered the opportunity to try out for the University of Alabama Mock Trial Association, but students' grades will not be affected by successful placement on a team.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH263 Sustainability***UH*

Hours 3

This course will introduce students to the breadth of Sustainability as a subject and will serve as a vehicle for further student research into specific topics within the context of Sustainability. The challenges faced now - both the existential threat of climate change and the unprecedented opportunities for transformation that threat offers - flow directly from the urgent need to understand what it means to be responsibly human. The nature of these questions and concerns are fundamental to all of us and cut across all disciplines and all courses of study. Regardless of their majors, this seminar will strengthen students' ability to recognize and appreciate the power of connection, and will encourage them to be empowered by complexity, rather than overwhelmed by it.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH270 Engage Tuscaloosa***UH*

Hours 1

This is a service learning field experience course conducted by the Honors College Engage Tuscaloosa office. The service learning experience is a learning vehicle for the Honors students to be exposed to and learn about educational issues within multiple segments of our surrounding communities. UA students will work with pupils in local elementary, middle or high schools for 8-12 hours during the semester in a variety of educational settings and subject areas. Honors students will receive training during class time on the specific work to be done in the service learning experience, on how to work with school-aged children and how to be an effective mentor.

Prerequisite(s) with concurrency: UH 205 (concurrent enrollment allowed)

University Honors

**UH272 Tuscaloosa Rocketry Challenge***UH*

Hours 1

Students will understand the philosophy of education as it relates to the delivery of curriculum and pedagogy. Students will be trained on and practice the fundamentals of mentoring. Students will be required to spend 25 hours in Tuscaloosa City and County Public School Systems (background check required). Students will be specifically working with 6th grade classes delivering space exploration and rocketry curriculum.

Prerequisite(s) with concurrency: UH 205

University Honors

**UH273 STEM Outreach***UH*

Hours 1

Students will understand the philosophy of education as it relates to the delivery of curriculum and pedagogy. Students will be trained on and practice the fundamentals of mentoring. Students will be required to spend 25 hours in Tuscaloosa City and County Public School Systems (background check required). This course is meant to bring STEM ideas and innovations to elementary school students.

Prerequisite(s) with concurrency: UH 205

University Honors

**UH280 Mosaic Advanced: An Experimental Multimedia Project***UH*

Hours 3

Class is for those students who have completed UH 180, and who return to take positions of leadership, sometimes as editors, working with groups of new students in that class to assist with writing, photography, graphic design, online and website work and social media. Students will be expected to develop original stories or projects that are more sophisticated and complex than their UH 180 work. Students will work with the aid of student editors and UA staff/faculty advisers.

Prerequisite(s): UH 180

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors



**UH281 Writers and Revolutions***HU, UH*

Hours 3

How do writers, and journalists-as-writers, see revolutions (some well known, some not so much) and what role do they play in them? Students will examine writers (some well known, some not so much), their lives, their texts, their words, rhetoric and arguments, address their effects on revolutionary and/or cultural change, and set these writers and their works within their broader economic, social, cultural, and political contexts. Are they archivists or activists? Do they help trigger and/or sustain revolutions, or help understand them, or both? And what have they left to help understand modern political and cultural pressures that hint at radicalism or revolution?.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Humanities, University Honors

**UH282 Imagining Revolution***HU, UH*

Hours 3

This course surveys various examples of the revolutionary and radical imagination. Instead of comparing different historical revolutions, this course will be exploring the different ways that people have imagined, in a revolutionary sense, alternative worlds. What does restless discontent with what-is look like in literature and art? In philosophy? In politics? In religion? In race and gender? By tracing the contours of such thoughts, students can begin, first, to see the power of critique and ask questions such as: Critique what? Critique why? Critique how? And secondly, students can begin to see the power of the speculative imagination and its role in creating a more desirable, and just, world.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

Humanities, University Honors

**UH283 Difference and Dissent***UH*

Hours 3

In this course, students will explore, debate, and analyze a range of cultural controversies that made headlines during the 19th, 20th, and 21st centuries. The course is organized thematically; focusing on a specific theme for each unit, discussion and analysis will afford opportunities for cross-thematic examination as well as exploration of other related cultural issues.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH284 Global Citizenship***UH*

Hours 3

Global Citizenship encompasses the knowledge of nations, cultures, and societies in a complex, interdependent, and changing world. Introducing students to historical and contemporary global challenges of citizenship, this course explores comparative arenas of interaction, interdependence, and inequity among diverse geographical, social, political, and economic systems. The class will investigate questions of citizenship, membership, and belonging, asking, "What does it mean to be a citizen?" "Who is entitled to the rights, privileges and responsibilities of membership within the citizenry?" "What are the differential effects and impact of globalization in its myriad sub-forms – cultural, social, economic and political – on notions of global citizenship?" To answer these questions the course focuses on a number of distinct but related social and political issues: citizenship, nationalism, migration, and cosmopolitanism.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH295 The Theory and Practice of Mentoring***UH*

Hours 2

Students will explore scholarship about peer mentoring in the college setting, developing an understanding of the practice of mentoring and the purpose of their role as mentors within the Honors College. The course will provide the theoretical framework for the interrogation and implementation of mentoring and expose students to the various mentoring options in the Honors College. Students will also develop the skills necessary for facilitating group discussion.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH296 Honors Action Leaders***UH*

Hours 1

In this six day, one-credit hour field experience course, students will serve as peer leaders for the Honors Action Program. They will help immerse freshmen students in the foundations of the Honors College and community engagement. Peer leaders co-lead the creation and implementation of a service learning project. This will involve planning before the week-long program in coordination HYO faculty and staff and Honors Action Student Leadership Team. The week of the program, peer mentors will implement these projects with the freshmen, attend the lectures, and serve as small group discussion leaders. All leaders are expected to have read the Common Book before the program week.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH310 College in Media & Popular Culture***UH*

Hours 3

This course examines representations of colleges and universities in media and popular culture. Using various forms of media including films, TV shows, novels, news outlets, trade publications, plays, podcasts, Ted Talks, music, etc., this course will examine topics including students, Greek life, athletics, faculty members, graduate school, and more to understand discourse regarding higher education in the United States from various disciplinary perspectives. The course considers the possibility that, beyond entertainment value, representations of college convey a perceived reality of what student and faculty life looks like as well as the status of higher education in the United States. This course will question those portrayals and discuss how they inform and/or miseducate various populations by comparing them with the everyday realities of students, faculty, and institutions in order to become more critical of the media and public messages students consume.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH311 Stanley Kubrick and Human Nature***UH*

Hours 3

Stanley Kubrick said in an interview for Full Metal Jacket that "truth is too multifaceted to be contained in a five line summary", but here's to trying. Stanley Kubrick, director of such notable films as 2001: A Space Odyssey, The Shining, and the aforementioned Full Metal Jacket, among others, was an inveterate reader who practically could not make a film until he was an expert on the subjects he was dealing with. As such, this course will take a similarly broad approach, drawing on theoretical works from philosophy, psychology, social criticism and others, to study the one true subject Kubrick was eternally a student of--human nature. Is there such a thing, and what features define it? Like Danny Torrance in The Shining, students will draw on knowledge from the past, present and, though they can't "shine", from potential futures, to work their way through the labyrinthian mystery that is the human race.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH312 Fear and the American Consciousness***UH, W*

Hours 3

This course seeks to answer two questions: "What do Americans fear, and what can we learn about American culture after studying that fear?" Americans have always, and perhaps now more than ever, maintained deep fear. Fear of the unknown. Of science. Of technology. Of others. Of terrorism. Of gun violence. Of viruses. Of each other. Answering such questions demands a transdisciplinary approach to fear. Therefore, students will use trauma theory, psychology, science, race theory, historical analysis, philosophy, rhetoric studies, sociology, film criticism, and gender theory to analyze fear from a variety of disciplines. The class is organized around a series of texts that depict and address American fears since the Great Depression, and students will be asked to analyze and then debate the causes of such fears. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH323 Contemporary Book Arts***UH*

Hours 3

This hands-on course provides an introduction to the concepts, aesthetics, and techniques of contemporary book arts. The class will explore fundamental elements of bookbinding and unique artistic book structures, and students will create work that has a narrative for the viewer. Students will discover a variety of contemporary artist book structures, develop basic hand skills, and consider how content and book structure work together in artists' books. Assignments will be given to further students' understanding of the book and its potential for artistic expression.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH329 Honors Special Topics***UH*

Hours 1-6

Special Topics.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH340 Origins of Western Thought: The Judeo-Christian Tradition***UH, W*

Hours 3

This course focuses on the history, literature, iconography, and sacred practices of the Judeo-Christian tradition. Texts under study may vary at instructor's discretion, but will generally include readings from the Hebrew and Christian scriptures, Augustine's *Confessions*, Dante's *Commedia*, Chaucer's *Canterbury Tales*, and Milton's *Paradise Lost*. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH341 Origins of Western Thought—Modern Thought***UH, W*

Hours 3

This course focuses on developments in Western thinking from the Renaissance to the present day. Authors to be studied will invariably change at the instructor's discretion, but students should expect to read and become familiar with the works of Shakespeare, Descartes, Pascal, Swift, Hume, Austen, Darwin, Freud, and Woolf. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH342 Shakespearean History***UH, W*

Hours 3

This course examines the philosophy of history in seven plays by Shakespeare and numerous theoretical and critical readings, which may include Herodotus, Plato, Holinshed, Hume, and Hegel. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH344 Myth and Reality in Espionage***UH*

Hours 3

The seminar will follow the general themes of myth vs. reality in the world of espionage. Students shall focus on spy novels, possibly including the works of Rudyard Kipling, Somerset Maugham, Alan Furst, Graham Greene and John le Carre to develop the spy storyteller's craft. The texts students shall read will grapple with the moral questions raised in espionage—the manipulation of other human beings, its justification for protecting the national interests of one's country, the long-term corrosive effects of deceit and clandestinity on the soul of the spymaster, the role of the spy bureaucracy, and the attraction of the game of espionage for its own sake. The works of fiction will be contrasted with the true lives of master spies, possibly including Oleg Penkovsky and Ryszard Kuklinski, as well as double agents—possibly including Dusko Popov, Kim Philby, Aldrich Ames, Robert Hannsen, and Jim Nicholson, posing the question whether the myth of espionage is stranger than the real thing.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH345 Difficult Women***UH*

Hours 3

This course will explore feminine archetypes and female stereotypes through texts from a variety of disciplines and sources, including psychology, mythology, philosophy, history, literature, art, anthropology, religion, folklore, fairy tales, film, television, and popular culture. The course covers an array of material, ranging from images of prehistoric artifacts to novels and plays to modern films to Marilyn Monroe, Madonna, and Lady Gaga.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH346 Existentialism, Race, and Gender***UH, W*

Hours 3

This course will survey not only some of the canonical authors of existential philosophy (e.g., Kierkegaard, Nietzsche, Sartre), but more importantly, read them in relation to other authors that are not traditionally included, yet who struggle with the problems of existence and, in turn, provide wonderfully rich insights into the human condition. By breaking the boundaries of race and gender, as they are traditionally drawn by existential philosophy, and by including writers such as Ralph Ellison, Frantz Fanon, and Toni Morrison, a richer conversation on the nature of the human condition, as well as the possibilities for “being”, will be presented. The course’s primary objective is to read existential philosophy across race and gender. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH347 Political Theories of Love***UH, W*

Hours 3

What is a political theory of love? What does a politics of love look like? What is it a love of? Country? Justice? Fellow citizens? Should the concept of love serve as a starting point for thinking politically? Or should it, above all other things, be avoided as a starting point for thinking politically? These are just some of the questions that the tradition of political theory, stretching back to Plato’s Republic, has sought to answer in many different ways. This course will explore such questions and some of the ways that they have been approached by various writers. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH348 Green Political Thought***UH, W*

Hours 3

This course will explore the intersections between political theory and environmentalism. When these two fields are brought together, there are interesting questions to be asked about humanity’s historically sovereign relation to, and role in, nature: What is the nature of freedom amidst so many environmental crises? How do we alter our value systems to better reflect environmentally sustainable behaviors? Do we pursue revolution or reform? This course will survey the spectrum of Green political theories, including eco-liberalism, eco-socialism, eco-anarchism, eco-feminism, eco-terrorism, etc., and explore the myriad ways people have rethought present and future politics in relation to the environment. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH349 The Neighbor***UH, W*

Hours 3

“Love your neighbor as yourself.” Why? Do they deserve it? And who is my neighbor? When Christ was asked, “Who is my neighbor?” a line of questioning was begun that has since populated the writings of authors such as Augustine, Friedrich Nietzsche, Soren Kierkegaard, Fyodor Dostoevsky, and Sigmund Freud to contemporary thinkers such as Cornel West and Slavoj Zizek. It is an ethic that has been both celebrated and critiqued. In either form, the category of “the neighbor” provides a productive starting point to begin thinking politically, economically, psychologically, and theologically. This course will examine classic texts that engage the concept of love of the neighbor in order to trace its historical development as a social and political concept. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH350 A Republic If You Can Keep It***UH, W*

Hours 3

"A Republic If You Can Keep It" was designed to refresh students' memory of the United States Constitution; to enhance students' sensitivity to the importance of preserving and protecting that constitution; to expose students to the economic, political, social and constitutional challenges of our time; and to develop and reflect on possible responses to these challenges. In developing these possible responses, students will draw on the fields of economics, finance, government, political science, law, management, religion and systems theory. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH351 Radical Stitches: Forming Identity through the Creation of Texts***UH, W*

Hours 3

This course will focus on women's texts and explore how women form notions of identity and community through the production of various texts, including quilts, gardens, cookbooks, and diaries. Students will question the gendering of particular crafts and how this affects their cultural knowledge and reading of these texts. Major projects for this course will include a biographical/historical sketch, an oral history project, and a final written project. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH352 Southern Women Writers***UH, W*

Hours 3

This course will examine the texts and traditions of women writers from the American South. Through close reading and writing, students will analyze the use of autobiography in these texts, exploring how writing as a southerner and as a woman shapes one's work and achievement. Students will read works by some of the most distinguished writers of the last two centuries—including Zora Neale Hurston, Eudora Welty, Alice Walker, and Ellen Douglas, as well as lesser known writers. As students read and write, they will also discuss their own experiences of the South, its people, and its narratives and how they choose to interact with them. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH353 American Dream(s): Exploring Narratives of American Life***UH, W*

Hours 3

This course will explore the literary and historical development of American Dream(s) through narratives in American Literature. This course will engage with narratives throughout American history focusing on the narrative's power to define and develop social norms but also enact social change. Students will develop a vocabulary for discussing the relationships between narratives and social change and analyze written and oral narratives and the cultural and historical contexts that surround them. Students will concentrate specifically on narratives of marginalized people in American Literature. This course will examine how narratives are used to create connections, educate, inform, and inspire readers/listeners/viewers. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH354 Modern Africa***UH*

Hours 3

This course surveys the deep historicity, the cultural diversity, and the political-economic complexity of contemporary African societies from the early post-independence period to the present day. This course will examine the Atlantic slave trade, colonialism and African nationalism as foregrounded historical events that have shaped modern Africa while also insightfully examining them from African perspectives and standpoints. The range of themes considered within the course include: the status of African development and democracy in a global era, modern innovation in Africa and its effect on African societies, western constructions of Africanity, the role of gender in the experiences of ordinary men and women; the nature of authority in indigenous polities; the ongoing effects of the European scramble for Africa and African responses; contemporary cultural expressions; and the economic, social, and political realities and challenges of modern global Africa.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH355 Afro-Asian Studies***UH*

Hours 3

Paul Gilroy's *The Black Atlantic: Modernity and Double Consciousness* (1995) explores the global Black experience and Black identity formations through a transatlantic frame. Gilroy's thesis argues that contemporary black identity constructions are a result of ongoing processes of travel and exchange between Africa, Europe, and the 'New World' during earlier periods of capital accumulation (transatlantic slavery and colonialism). This course disrupts Gilroy's thesis, repositioning the focus, temporally and spatially, eastward. Students will examine often underexplored relations and routes of passage and exchange between the African continent and the peoples of Japan, China, India, the Pacific Islands, the Middle East, among other nations. The course may alternately consider any of the following propositions: (a) historical and contemporary Africa-Asia (Africa-China) relations, (b) the reasons for dispersal and processes of creating new Afro-Asian identity formations, or (c) issues of cultural continuity, nostalgia, solidarities, and belonging between African and Asian communities.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH360 Heroes of Faith and Justice in the 20th Century***UH*

Hours 3

This course introduces three distinguished symbolic figures for the commitment to faith, peace, and justice: Gandhi, Bonhoeffer, and Martin Luther King, Jr. Building on the studies on life, achievements, and doctrines of the three selected historical persons, students will look at contemporary conflicts and reflect about what they may be able to take away from the historical conflicts for their solutions.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH361 One Nation Under God***UH*

Hours 3

How did the United States, founded as colonies with profoundly religious aspirations, come to be the first modern state whose commitment to the separation of church and state was reflected in its constitution? From the election of 1800, when Federalist clergymen considered Deist Thomas Jefferson unfit to lead a "Christian nation," to today, when religion again plays an unmistakable role in political identity, it has been a crucial and constant element in American politics. This seminar is meant to reconstruct the complicated connections of religion and politics in American history in order to enable the participants to develop a well reflected and solid position in this embattled field.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH362 A Divided America***UH*

Hours 3

The class will focus on issues that divide Americans where they live, work, study, worship, and vote. These issues arise due to the demographics of age, sex, nationality, and race. Students will seek to identify the history of the divisive issues as they arise from ethical, economic, social, geographic, and moral conditions. Students will research each topic, analyze various "think tank" approaches to each issue, and interview persons involved in the divisive issues. This analysis will be reduced to a bullet point paper of the major issues. The class will identify and discuss through collaborative discussions the bullet point issues both nationally and in states. Students will face off in class discussions of transdisciplinary solutions to each divisive issue as they face their unrecognized biases that often dictate beliefs.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH363 Ethics, Lobbying, and Law***UH*

Hours 3

In both national and local governments, lobbying scandals make the news. Public corruption in national and state governments have caused public distrust in our democracy. Three impeached Presidents, a Vice President and two removed Speakers of the House of Representatives in Congress and convicted Congressmen were but a prelude for corruption and scandals in the states. Two Alabama Governors were convicted of corruption while the Speaker of the House was convicted from a 23-count indictment. South Carolina, Illinois, Texas, Louisiana and many other states have experienced similar misdeeds. Lobbyists have replaced the press as the 4th influence on politics, why? What do they all have in common?.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH366 Beyond the Lab: Truth, Ethics & Meaning-Making in Research***UH*

Hours 3

This class seeks to introduce Honors College students to questions of truth, validity, ethics, subjectivity, and form that ground social science. It will do so by exploring the philosophical foundations of qualitative inquiry, popular and critical methodological traditions, and the methods and processes students might use to engage in research. Students will think with the theories that inform qualitative research while also reading and exploring transdisciplinary qualitative work in order to develop a research proposal for their own qualitative study, which they might implement in their discipline, during graduate education, or as a culminating honors experience. No previous experience with qualitative inquiry or social science research is required for success in this course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH367 Doctors Who Write: Medicine, Mortality & Literature***UH*

Hours 3

This course explores the connection between medicine and literature, largely (but not exclusively) through the works of a selection of well-known doctors-turned-writers. How does the practice of medicine, with its diagnostic emphasis, its balance of rationality and empathy, and its relentless proximity to human weakness and mortality affect the doctor/writer's literary and philosophical concerns? Conversely, how might the reflective, imaginative craft of writing influence the practice of medicine? More specific questions to be explored might include: how do William Carlos Williams' twin vocations of rural doctor and poet set him apart from his literary contemporaries? How might the archetypal characters of Holmes and Watson represent the balance doctors must strike between reason and empathy in the stories of Arthur Conan Doyle? What happens when a doctor becomes a patient? How does it change the way they approach mortality? Why is illness such a powerful cultural and literary metaphor?.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH368 Speaking of Freedom***UH*

Hours 3

Free Speech vs. Cancel Culture, Right to Life vs. Right to Choose, Gun Control vs. Gun Rights. It all boils down to my freedom vs. your freedom – or does it? The current polarized, political rhetoric surrounding “American freedoms” would have people believe this either/or approach to what it means to be free and to be a citizen of a democratic society is just the way it is. This course will examine traditional and modern texts to consider the nature and power of freedom as a moral concept that has informed our contemporary understandings of the self and citizenship. Using collaborative research and deliberative dialogue experiential learning practices, students will engage the ethical and civic dimensions of how they think and talk about freedom.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH370 Engage Tuscaloosa***UH*

Hours 1

This is a service learning field experience course conducted by the Honors College Engage Tuscaloosa office and is a follow up to the UH 270 field experience for students who are interested in a more in-depth experience. This service learning opportunity is meant to enhance the prior learning experience of the Honors students by challenging them to look deeply at not only educational issues, but social issues within multiple segments of our surrounding communities and state. UA students will continue to work with pupils in local elementary, middle or high schools for 10-12 hours during the semester in a variety of educational settings and subject areas. Honors students will receive additional training during class time on the specific work to be done in the service learning experience, on how to work with school-aged children and how to be an effective mentor.

Prerequisite(s): UH 270

University Honors

**UH372 Tuscaloosa Rocketry Challenge***UH*

Hours 1

The course will serve as a Leadership/Mentoring course that is connected to the Tuscaloosa Rocketry Challenge Project. Students in this course will be expected to provide leadership and mentoring for the students in UH 272 as well as students in the K-12 public school system. Students will be required to spend 25 hours in Tuscaloosa City and County Public School Systems (background check required). Students will be specifically working as mentors for UH 272 Tuscaloosa Rocketry Challenge.

Prerequisite(s): UH 272

University Honors

**UH373 STEM Outreach Leaders***UH*

Hours 1

The course will serve as a Leadership/Mentoring course that is connected to the STEM Outreach course, UH 273. Students in this course will be expected to provide leadership and mentoring for the students in STEM Outreach, as well as students in the K-12 public school system. Students will be required to spend 25 hours in Tuscaloosa City and County Public School Systems (background check required). Students will be specifically working as mentors for STEM Outreach.

Prerequisite(s): UH 273

University Honors

**UH380 Mosaic Leadership: An Experimental Multimedia Project***UH*

Hours 3

This course is a continuation of Mosaic class UH 280. Students return to take positions as highest level of leadership (e.g. Editor-in-Chief, Executive Editor, Managing Editor). Students will make editorial and management decisions (e.g. theme of Mosaic work for the semester, subjects to address, deadlines, assignments, choice of editors, editing decisions, what to run and what not to run, editing instructions, Style, work priorities, work loads, publications times and dates, and approve content, designs and layouts. Students will work with the aid of student editors and UA staff/faculty advisers.

Prerequisite(s): UH 280

University Honors

**UH381 Gossip and Rumor: Featuring Social Change and Social Media***UH, W*

Hours 3

Gossip and rumor are essential, powerful and subversive forms of human communication, yet their roles in society are commonly overlooked, dismissed or trivialized. This class examines their history, morality, psychology, vital agency in social change, commercialization and ethics, the mass media's amplification of them and their role in our closest circles, workplaces and organizations. This class will also look to their future given the immense impact of social media on interpersonal communication. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing

**UH382 Thomas Paine and Revolutionary Writing***UH, W*

Hours 3

English radical Thomas Paine (1737-1809), writer and thinker but more writer than thinker, is author of the most influential and distinctly "American" revolutionary ideals and roadmaps, best selling author of the 18th century, a significant factor in both the American and French Revolutions and pioneer of modern democracy. This class will look at his life, character, times, influences, ideas, works and legacy and compare him to other revolutionary writers. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors, Writing



**UH383 Bohemianism***UH*

Hours 3

This course will explore what has come to be known as “Bohemianism” as a lifestyle and a state of mind via theoretical and imaginative texts and films. Students will study the artistic and cultural movements and phenomena that both inspired and were inspired by these texts beginning with the origins of the term “bohemia” and examining how and why it came to be associated with artists, writers, and musicians. In addition, students will consider the relationship between “bohemia” and mainstream culture, to include the actual “mainstreaming” of bohemia (oxymoronic, no?), or “fauxhemia”.

Prerequisite(s): UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH394 HYO Mentors for First-Semester Freshmen***UH*

Hours 1

The Honors Year One program provides Honors College students the opportunity to serve as peer mentors for incoming Honors College freshmen. Mentors for UH 100 will lead small group discussions and assist first-semester students in developing an awareness of the Honors College, the university, and the greater community. During preparation classes, mentors will develop leadership, teamwork, and inclusivity skills and discuss different tactics for mentoring and what roles mentors play in the transition of first-semester freshmen. During small group discussions with freshmen, mentors will put to practice this work and help first-semester freshmen practice the key concepts of engaged scholarship, including critical and creative thinking, ethical and empathetic dialogue, and collaborative and inclusive leadership.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH395 HYO Mentors for Second-Semester Freshmen***UH*

Hours 1

Honors Year One Mentors for UH 110 will serve as discussion leaders and peer mentors for first-year students in the Honors College have completed at least one semester on campus. Mentors will assist these freshman students in continuing to develop an a sense of belonging and purpose in the Honors College, the university, and the greater community. During preparation classes, mentors will develop leadership, teamwork, and inclusivity skills, discuss mentoring and their role in the HYO program, and analyze the developmental stages for students in their first-year of study. During small group discussions, mentors will put to practice this work and help first year students practice the key concepts of engaged scholarship, including critical and creative thinking, ethical and empathetic dialogue, and collaborative and inclusive leadership.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH396 Honors Action Mentors***UH*

Hours 1

In this six day, one-credit hour course, students will serve as peer mentors for the Honors Action Program. They will help introduce freshman students to the foundations of the Honors College and community engagement and also take the lead on a project with a first year Action leader, mentoring a first year Action leader as they work together in a pair to plan and conduct the service project. Action peer mentors will take part in service learning project creation and planning before the week-long program in coordination HYO faculty and staff and Honors Action Student Leadership Team. The week of the program, peer mentors will implement these projects with the freshmen, attend the lectures, and serve as small group discussion leaders. All mentors are expected to have read the Common Book before the program week.

Prerequisite(s) with concurrency: UH 200 OR UH 205 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202) OR (EPIC 201 AND EPIC 202)

University Honors

**UH400 Honors Independent Study***UH*

Hours 1-6

Students work on an independent project with a faculty supervisor.

Prerequisite(s): Completion of a minimum of 3 hours of UH subject labeled coursework at the 100, 200 or 300 level

University Honors

**UH401 Senior Capstone: Signature Work***UH*

Hours 3

In “Signature Work,” students will integrate and apply the whole of their Honors learning experience to complex problems and projects that are important to the student and important to society. Students will also participate in a research and methods seminar in which Honors faculty offer support to student projects and in which students have the opportunity to discuss work-in-progress with their peers.

Prerequisite(s): One 300-level UH course

University Honors

**UH405 Leadership Experience***UH*

Hours 1-6

Leadership Experience integrates diverse practical experiences with leadership concepts so that students can serve as informed, proactive leaders in various Honors College initiatives. The course utilizes a combination of small group discussions on leadership theory with opportunities for Honors College students to demonstrate their personal leadership styles.

Prerequisite(s): Completion of a minimum of 2 hours of UH subject labeled coursework at the 100, 200 or 300 level

University Honors

**UH425 Graduate School Preparation**

UH

Hours 4

This course is designed to provide a capstone to the Honors College curriculum specifically through preparing students for graduate school in the liberal arts fields, rather than professional school. Students will be exposed to important concepts associated with graduate school preparation and provided opportunities to cultivate their own professional development and discipline knowledge. Further, students will be expected to develop professional relationships with faculty members within their field and to construct a graduate research agenda. Prerequisite of at least 3 credits of UH 100-300 level hours required.

Prerequisite(s): Minimum 3 credits in UH 100, UH 200 or UH 300 level courses.

Prerequisite(s) with concurrency: No

University Honors

**UH498 Honors Thesis Research**

UH

Hours 1-3

Research on a topic chosen by the student in consultation with a qualified faculty supervisor pertaining to an honors thesis. A proposal outlining the thesis project must be approved prior to registration.

Prerequisite(s): Completion of a minimum of 3 hours of UH subject labeled coursework at the 100, 200 or 300 level

University Honors

**UH499 Honors Thesis**

UH

Hours 3

Research on a topic chosen by the student in consultation with a qualified faculty supervisor culminating in an honors thesis. A proposal outlining the thesis project must be approved prior to registration.

Prerequisite(s): Completion of a minimum of 3 hours of UH subject labeled coursework at the 100, 200 or 300 level

University Honors

## College of Human Environmental Sciences Courses

**ATR257 Intro to Athletic Training**

Hours 3

The study of current principles in the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses.

**ATR258 Clinical Fundamentals**

Hours 1

The study and practice of clinical skills in the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses. Directed observations under the guidance of BOC certified athletic trainers.

Prerequisite(s): ATR 257

**ATR272 First Aid, Safety & CPR**

Hours 1

The discussion and practice of skills and techniques in the emergency response to injuries and illnesses. Includes emergency assessment, first aid, cardiopulmonary resuscitation for infants, children and adults and AED use.

**ATR300 Foundations in AT**

Hours 3

Study and discussion of topics and clinical skills related to the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses. Introduction to healthcare administration.

Prerequisite(s): ATR 257, ATR 258, and ATR 272

**ATR305 Clinical Biomechanics for Healthcare Professionals**

Hours 3

This course is a review of external and internal forces on the body. It will explore both the statics and dynamics of motion including kinetics and kinematics. This course will also explore a variety of issues of human movement related to exercise/sport and injury.

Prerequisite(s): ATR 257, ATR 258, and ATR 300

Prerequisite(s) with concurrency: BSC 215

**ATR310 Clinical Skills I**

Hours 1

Acquisition, evaluation, synthesis and application of clinical skills in the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses. Clinical experiences under the direct supervision of BOC Certified and Alabama Licensed Athletic Trainers.

Prerequisite(s): ATR 257 and ATR 258 and ATR 272

Prerequisite(s) with concurrency: BSC 215 and NHM 315 and ATR 300

**ATR312 Interdisciplinary Healthcare Teams in Sports Medicine**

Hours 2

The focus of the course is to learn about the role of various healthcare professionals within the Sports Medicine team and how to interact as a healthcare team to improve patient care.

Prerequisite(s): ATR 272 and ATR 300

**ATR358 Examination, Assessment & Diagnosis II**

Hours 3

Study of the upper extremities as they relate to the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses.

Prerequisite(s): BSC 215 and BSC 216 and NHM 315 and KIN 365

Prerequisite(s) with concurrency: ATR 457 and ATR 410 and PH 101

**ATR360 Examination, Assessment & Diagnosis III**

Hours 3

Study of the head, neck, face, abdomen, thorax and thoracic and lumbar spines as they relate to the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses.

Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 410 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and PH 101

Prerequisite(s) with concurrency: ATR 420 and ATR 456 and KIN 492

**ATR405 Psychological Aspects of Injury**

Hours 3

This course allows students to explore, develop and refine their personal values and ethical foundations as they relate to the psychosocial aspects of healthcare and professional practice. Special emphasis is placed on the psychology of injury and catastrophe, recognition of psychological conditions, counseling and intervention strategies, and the utilization of mental imagery and other psychological skills. Exploration of professionalism, leadership, communication, diversity, inter-relationships between patients, families and the medical community, stress management, burnout, and ethical questions associated with injury, sport and general healthcare also are discussed.

Prerequisite(s): ATR 300

**ATR410 Integration of Clinical Skills in AT III**

Hours 1

Acquisition, evaluation, synthesis and application of clinical skills in the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses with an emphasis on the upper extremity and the use of therapeutic modalities in the comprehensive patient care plan. Clinical experiences under the direct supervision of credentialed medical and allied medical professionals.

Prerequisite(s): BSC 215 and BSC 216 and NHM 315 and KIN 365

Prerequisite(s) with concurrency: PH 101 and ATR 358 and ATR 457

**ATR415 Scientific Reading and Writing in Athletic Healthcare**

W

Hours 3

The acquisition and application of advanced literature search and scientific literature interpretation skills. The refinement of scientific writing skills as they relate to the development and completion of a scientific proposal paper.

Prerequisite(s): ATR 257, ATR 258, ATR 272, ATR 305 or KIN 365, ATR 405, EN 101, EN 102, HHE 378

Writing

**ATR420 Integration of Clinical Skills in AT IV**

Hours 1

Acquisition, evaluation, synthesis and application of clinical skills in the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses with an emphasis on the head, neck, face, thorax, abdomen and spine and the use of therapeutic exercises in the comprehensive patient care plan. Clinical experiences under the direct supervision of credentialed medical and allied medical professionals.

Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 410 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and PH 101

Prerequisite(s) with concurrency: KIN 492 and ATR 360 and ATR 456

**ATR430 Integration of Clinical Skills in AT V**

Hours 1

Acquisition, evaluation, synthesis and application of clinical skills in the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses with an emphasis on acute and chronic medical conditions and their pharmacologic management within a well organized healthcare program. Clinical experiences under the direct supervision of credentialed medical and allied medical professionals.

Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 360 and ATR 410 and ATR 420 and ATR 453 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and KIN 492 and PH 101

Prerequisite(s) with concurrency: ATR 454 and ATR 455

**ATR432 Physiological Basis and Conditioning Methods for Performance**

Hours 3

This course is designed to present up-to-date information regarding the human physiological response to exercise, as well as the applied aspects of strength and conditioning and the scientific principles that guide this practice. Students will gain knowledge in how to perform pre-exercise assessments, develop appropriate exercise training programs based on these assessments, as well as lead and demonstrate safe and effective methods of exercise by the application of the primary theories and principles of exercise science. This course will also introduce methods of patient assessment and reducing the risk of injury. A combination of lecture and practical class sessions will be used.

Prerequisite(s): ATR 300, BSC 215, and BSC 216

**ATR440 Integration of Clinical Skills in Athletic Training VI**

Hours 1

Acquisition, evaluation, synthesis and application of clinical skills in the prevention; clinical evaluation and diagnosis; immediate care and treatment; and rehabilitation and reconditioning of injuries and illnesses with an emphasis on acute and chronic medical conditions and post-surgical rehabilitation. Clinical experiences under the direct supervision of trained preceptors.

Prerequisite(s): admission to the AT Professional Program, ATR 300, ATR 310, ATR 320, ATR 357, ATR 358, ATR 360, ATR 410, ATR 420, ATR 453, ATR 456, ATR 457, BSC 215, BSC 216, KIN 365, KIN 492, NHM 315 & PH 101

Prerequisite(s) with concurrency: ATR 458

**ATR453 Appl Clin Res Skills**

Hours 3

Acquisition, evaluation, synthesis and application of clinical, research and teaching skills in athletic training with an emphasis on clinical question development and the incorporation of evidence based practice in resolving clinical questions and developing and implementing patient care plans. Clinical experiences under the direct supervision of allied medical and medical professionals in a range of patient care settings.

Prerequisite(s): ATR 300 and ATR 310 and ATR 357 and ATR 358 and ATR 360 and ATR 410 and ATR 420 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and KIN 492 and PH 101

**ATR454 Healthcare Administration in AT**

Hours 3

Current theories, methods and techniques in the organization and administration of athletic training programs.

Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 410 and ATR 420 and ATR 453 and ATR 456 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and PH 101

Prerequisite(s) with concurrency: ATR 430 and ATR 455

**ATR455 Pharmacology and Pathology in AT**

Hours 3

The study of acute and chronic illnesses and their response to and the impact on, physical activity. Discussion of pharmacologic agents used in the therapeutic intervention of common acute and chronic illnesses.

Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 360 and ATR 410 and ATR 420 and ATR 453 and ATR 456 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and KIN 492 and PH 101

Prerequisite(s) with concurrency: ATR 430 and ATR 454

**ATR456 Therapeutic Intervention II: Rehabilitation & Reconditioning**

Hours 3

Methods, theories and techniques in the rehabilitation and reconditioning of injuries. The examination, assessment and diagnosis of injuries relative to rehabilitation and reconditioning.

Prerequisite(s): ATR 300 and ATR 310 and ATR 320 and ATR 357 and ATR 358 and ATR 410 and ATR 457 and BSC 215 and BSC 216 and NHM 315 and KIN 365 and PH 101

Prerequisite(s) with concurrency: ATR 360 and ATR 420 and KIN 492

**ATR457 Therapeutic Intervention I: Therapeutic Modalities**

Hours 3

Current theories, methods and techniques in the application of therapeutic modalities during the treatment of injuries. The examination, assessment and diagnosis of injuries relative to therapeutic modalities.

Prerequisite(s): BSC 215 and BSC 216 and NHM 315 and KIN 365 and ATR 300 and ATR 310 and ATR 357 and ATR 320

Prerequisite(s) with concurrency: PH 101 and ATR 358 and ATR 410

**ATR458 Seminar in AT**

W

Hours 3

Discussion of current issues in athletic training with an emphasis on the application of current research to the practice of athletic training. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): ATR 300, ATR 310, ATR 320, ATR 357, ATR 358, ATR 360, ATR 410, ATR 420, ATR 430, ATR 453, ATR 454, ATR 455, ATR 456, ATR 457, BSC 215, BSC 216, PH 101, NHM 315, KIN 365, KIN 492

Prerequisite(s) with concurrency: ATR 440

Writing

**ATR488 Internship in Athl Training**

Hours 1-12

Directed internship in a health care facility for the senior athletic training student.

**ATR496 Ind Study Athletic Training**

Hours 1-12

Independent study of skills and topics in athletic training for the senior athletic training student.

**CSM101 Introduction to Digital Tools**

Hours 3

Students are expected to demonstrate basic proficiency in the word processing, presentation, and spreadsheet tools as well as other emerging productivity tool sets. Specific emphasis is placed on introducing skills and uses related to data storage applications, basic technology privacy and security issues, mobile device applications, social media, communications technology, and work-place applications. Students exit this class with a basic introduction to each topic and other emerging topics deemed relevant for today's digital citizens, consumers, and professionals.

**CSM104 Introduction to Personal Finance**

Hours 3

This introduction to personal finance is ideal for freshmen and sophomores who are building financial capability. Personal budgeting and money management strategies, the responsible use of credit, automobile and home decisions faced by emerging adults, saving for near and distant goals, and fundamentals of investing are covered. Discussions incorporate current and historical social, economic, and political developments that influence today's consumers.

**CSM201 Indiv Family Resourc Mgt**

Hours 3

Management of human, material, and environmental resources to accomplish value-based goals. Highlights importance of decision making to achieve satisfaction and improve quality of life across the family life cycle.

**CSM204 Intro Personl Finan Plan**

Hours 3

The course presents financial planning within the context of the family life cycle and the consumer decision-making framework. It provides an overview of topics such as family financial goal setting, budgeting, risk management, savings, and investments.

**CSM205 Honors Intro to Personal Financial Planning**

UH

Hours 3

This course covers the same material as CSM 204 but in a depth appropriate for honors students. Foundational financial planning concepts are addressed within the context of the family life course and the consumer decision-making framework. Topics include financial goal setting, budgeting, risk management, savings, and investments. Financial planning and financial counseling careers are also introduced.

University Honors

**CSM300 Time Value of Money & Financial Calculations**

Hours 1

The focus of this course is to develop a better understanding of the Time Value of Money concept and the types of financial calculations that will be required in courses such as Introduction to Investment Planning, Asset Management, Retirement Planning and the Capstone Course in Financial Planning.

Prerequisite(s) with concurrency: CSM 204 or CSM 205

**CSM303 Introduction to Consumer Economics**

Hours 3

This course will focus on the role of the consumer in the economy and concepts underlying consumer economics. Emphasis is on the consumer in the marketplace; consumer choice; information search; consumer protection, including redress; and consumer affairs as a profession. This course will be a review of some topics from lower level classes and a preview of topics that will be covered in upper level classes concerning consumers and their role in the economy.

**CSM333 Financial Capability**

Hours 3

This community-based learning course will prepare students to solve the financial and economic challenges of vulnerable households. Students will be equipped with skills related to managing cash flow, credit and debt, savings, and insurance. This course prepares students for careers in a variety of fields, including financial services, community organizations, public policy, and social work.

**CSM381 Consumer Marketing Management**

Hours 3

Principles of consumer-oriented marketing management with emphasis on consumer decision-making theory and practice.

**CSM390 Field Experience**

Hours 1-6

Supervised experiences in the areas of consumer affairs or family financial planning with government, business, or industry.

**CSM400 Personal Insurance Plan & Mgt**

Hours 3

Survey of myriad of personal risks facing consumers and families throughout the life cycle. Emphasis is placed on the fundamentals of risk management. Includes a comprehensive study of insurance products.

Prerequisite(s): CSM 201 and (CSM 204 or CSM 205)

**CSM401 Consumer Protection**

W

Hours 3

Laws and agencies affecting the consumer's well-being, sources of consumer information, discussion of current consumer issues. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**CSM403 Consumer Economics**

Hours 3

The role of the consumer in the economy. Economic analysis of market and nonmarket consumption activities, incorporating relevant social, psychological, political, and ecological considerations.

Prerequisite(s): EC 110 or EC 112, and CSM 303 with a C- or higher

**CSM404 Personal Investment Plan & Mgt**

Hours 3

Concepts and techniques related to family financial investments.

Prerequisite(s): CSM 201, (CSM 204 or CSM 205), and (EC 110 or EC 112) with C- or higher

**CSM405 Public Policy**

Hours 3

A detailed analysis of U.S. public policy, recognizing the broader social and economic impacts of selected policies. Students will develop a better understanding of how and why specific policies are implemented and assess the strengths and weaknesses of different policy structures.

Prerequisite(s): EC 110 or EC 112 with C- or higher

**CSM409 NY Wall Street Study Tour**

Hours 3

Provides an overview of the American financial system with emphasis on financial service providers, products and markets. Includes a 6-day tour of New York's financial district, presentations by financial professionals, team activities, assignments and stock market analysis.

**CSM410 Pers Retire Plan Employ Benefits**

Hours 3

Fundamentals for personal retirement planning and the selection of employee benefits.

Prerequisite(s): CSM 201, and CSM 204 or CSM 205

**CSM414 Personal Investment Planning & Management II**

Hours 3

This course builds on Personal Investment Planning and Management I with a focus on the valuation of investments and the management of investment portfolios. Financial securities analyzed include equities, derivatives, fixed income, and alternative investments.

Prerequisite(s): CSM 404 or permission of instructor

**CSM415 Customer Service Management**

Hours 3

An in-depth study of the functions and structures of customer relations as it relates to business and government agencies. Analysis of consumer needs, complaints, and education.

**CSM420 Personal Estate Planning**

Hours 3

Techniques of personal estate planning within the family life cycle.

Prerequisite(s): CSM 201, and CSM 204 or CSM 205

**CSM425 Conflict Resolution for the Workplace**

Hours 3

This course provides skill building and practical methods for handling organizational and personal conflicts. Appropriate for the student who has received no formal preparation in managing conflict, and also for the professional who is educated in conflict theory and negotiation strategy, but needs grounding in basic interpersonal communication and management skills, such as rapport building, empathic listening, behavior modeling, reframing, problem solving, and decision making.

**CSM427 Emotional Intelligence: The Personal Qualities of the Negotiator**

Hours 3

This course teaches students to accurately identify and express emotions, and to develop and improve the emotional intelligence skills essential to managing conflict successfully. Students are directed through a series of self-evaluations to determine their current skill levels, learn the characteristics of specific skills, and apply and model the new learning. Students learn to break the habit of emotional reactivity and to model emotional proactivity.

**CSM428 Processes of Negotiation**

Hours 3

This course deepens students' understanding of negotiation skills that can be used across a variety of settings. Students explore best practices in negotiation and learn to identify and apply optimal strategies. The dynamics of negotiating across diverse cultures and contexts are also examined.

**CSM430 Family & Consumer Law for Non-Lawyers**

Hours 3

The study of family law for non-lawyers. Topics include marriage, divorce, custody, child support, alimony and property division, and the role of alternative dispute resolution in the family law setting, including mediation, private judges, and collaborative practice. Students will acquire a general understanding of legal terms, resources, and the legal system and its adversarial proceedings.

**CSM435 Psychology Of Money**

Hours 3

An innovative study of financial behaviors and their relationship to money management with emphasis placed on both theory and its application.

**CSM437 Developing The Leader Within**

Hours 3

An in-depth look at leadership principles, qualities, styles, and models with a focus on developing leadership skills and potential within the individual students. Designed to assist students in identifying opportunities for improvement.

**CSM440 Maximizing Use of Social Media Marketing**

Hours 3

In this course students will develop skills for strategic social media marketing and engagement. They will explore and utilize techniques for integrating social media marketing campaigns that serve as listening and outreach tools in building brand awareness. This course will provide a framework for online brand management and promotion for careers and majors in the college of Human Environmental Sciences.

**CSM441 Consumer Communications**

C

Hours 3

Principles, methods, techniques, and resources used in developing, presenting, and evaluating a complete consumer communication program. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 102 or CSM 101

Computer Science

**CSM443 Consumer Cybersecurity**

Hours 3

This course considers cybersecurity as it relates to consumers and families. Cybersecurity permeates the lives of consumers, affecting personal information, online presence and purchasing behaviors. This course focuses on consumer-side security course topics by discussing the evolution of information security into cybersecurity, cybersecurity theory, and the relationship of cybersecurity to people, society, and organizations. Students exit this course with the knowledge to effectively implement and manage the major components of personal cybersecurity.

Prerequisite(s): CSM 101 or CS 102

**CSM445 Applied Digital Tools**

C

Hours 3

The course encompasses a collection of technical skills beyond basic computer applications; content is focused on the use of technology in real-world contexts, such as the digital consumer society and digital workplaces. Students are expected to demonstrate applied proficiency in word processing, presentation, and spreadsheet tools (by major) as well as other emerging productivity tool sets. Students exit this class with a variety of experiences in the use of personal technologies as well as those which might be encountered in a digital workplace; these may include applied privacy and security defense strategies, organizational applications, mobile device applications, and cloud-computing as applied in case studies and/or project-based activities. Basic computer-use proficiency is required for a passing grade in this course.

Computer Science

**CSM447 Advanced Digital Tools**

C, W

Hours 3

The primary content consists of student skills to live and work in a digital environment by developing technological skills in use and application of digital tools, such as sophisticated mobile device applications, computer-mediated collaboration, content management, social media and personal branding strategies, and cloud-based applications. Students develop or refine their virtual presence using current and appropriate tools. Course activities include writing assignments to meet the W requirement, but these will be integrated into other topics within the course. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Computer Science, Writing

**CSM451 Consumer Demographics**

W

Hours 3

This course will focus on developing students' ability to understand consumer demographics and impacts from these demographic changes. The course will cover basic concepts and measurement issues of demography as it relates to consumer and families. This class will also develop student's ability to adapt to changing trends in a dynamic world. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**CSM454 Personal Income Tax Mgt Planng**

Hours 3

An analysis of personal income tax management and planning as it relates to consumers and families throughout the life cycle.

Prerequisite(s): CSM 201, and CSM 204 or CSM 205

**CSM455 Research Methods and Analysis**

Hours 3

Introductory research methods emphasizing non-experimental research designs. Examples and exercises are drawn from real-world research applications that inform consumer behavior and policy. Topics include: research design, measurement, sampling, data management, descriptive statistics, data visualization, and statistical inference.

Prerequisite(s): ST 260 or BER 345

**CSM458 Spreadsheets in Fin. Decisions**

C

Hours 3

The focus of this course is to develop a working knowledge of Microsoft Excel as it may be used to analyze problems related to personal financial planning. The course emphasizes life-cycle planning and computer literacy. The course is designed to help students in becoming better prepared for the actual workplace environment. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CSM 204 or CSM 205 or RHM 474 or AC 210 or AC 211

Computer Science

**CSM459 Tech of Counsl in Cons Science**

W

Hours 3

This course explores the indicators, causes, and impact of financial stress and problems on individual's and family's well-being. The course emphasizes the fundamentals of counseling, communication, and ethics for those working in professional settings to help individuals from different backgrounds achieve personal financial goals as well as the workplace in general. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**CSM460 Financial Planning Case Study Capstone Course**

Hours 3

A systems approach to financial management for individuals and families from the perspective of planner/counselor. Focuses on analytical techniques. Emphasizes identification and development of strategies for meeting client goals. This course should be taken during the last semester of the degree curriculum.

Prerequisite(s): CSM 458 and CSM 201 and (CSM 204 or CSM 205) and CSM 400 and CSM 404 and CSM 458

**CSM461 Managing in a High Performance Organization**

Hours 3

This course will provide an interactive exploration of management skills that enable an individual to effectively communicate, build and lead teams, delegate, make presentations and manage priorities to achieve success.

**CSM475 Entrepreneurship In Hes**

Hours 3

A study of home-based businesses taught from the perspective of theory and application in family resource management.

**CSM478 Social Entrepreneurship**

Hours 3

This seminar will explore how the ideas of social entrepreneurs have provided innovative solutions to some of the world's most systemic problems and why more social entrepreneurs will be needed in the 21st century. To study, understand and prepare oneself to become, or appreciate social entrepreneurs is a relatively new field of academic interest. It requires that students be creative thinkers and willing to inform themselves about current economic, political and social issues so they begin to understand the complexity surrounding the world's most challenging problems.

**CSM480 E-Commerce@Human Envir Science**

Hours 3

Offers sound advice and vital practical help on developing an idea into a business on the Internet, addressing areas of specialization in human environmental sciences.

**CSM486 Principled Negotiation**

Hours 3

An in-depth study of principled, interest-based negotiation, which replaces adversarial approaches with problem-solving. Students formulate a personal strategy of thoughtful introspection with the goal of satisfying interests on all sides of a conflict and strengthening relationships among conflict partners.

**CSM490 Individual Study**

Hours 1-6

Open to qualified undergraduates with a grade point average of 2.0 or higher. Individualized work may be selected in the areas of consumer affairs, consumer economics, and financial planning and counseling.

**CSM499 Undergraduate Rsch**

Hours 3

Under faculty supervision, student will participate in a research project.

**CTD102 Applied Design**

Hours 3

Basic concepts in organization and evaluation of design, and its contribution to the enrichment of living. Usually offered in summer school.

**CTD121 Intro to Interior Design**

Hours 3

Introduction to the interior design profession through a variety of assignments utilizing the design process, design theory, and interior graphic communication methods.

**CTD141 Intro to Apparel Design**

Hours 3

An introduction to the business of fashion with focus on the apparel designer's role. Open to students in the Apparel Design concentration only.

**CTD205 Surface Design Studio Seminar**

Hours 3

Provides understanding of textile surface design through studio work. A series of selected techniques are demonstrated with hands on exercises.

Prerequisite(s): CTD 261 CTD 221

**CTD215 Introduction to Rendering**

Hours 3

An introduction to achromatic and contemporary color graphics media used in sketching, rendering and design drawings, with emphasis on schematics used in problem solving and rapid rendering techniques for interior delineation.

Prerequisite(s): CTD 121

**CTD216 Beginning Weaving**

Hours 3

Study of original design in loom weaving techniques; dressing the loom; drafting designs; and weaving and finishing procedures. Offered irregularly. Two laboratories.

**CTD217 Fashion Illustration**

Hours 3

Emphasis is on the development of the fashion figure, design details, fabric rendering, flats, customer profile analysis, and collection development. In addition, students using advanced computer design software, create original digital design layouts of their work. Two lectures, one laboratory.

Prerequisite(s): CTD 102 and ART 110

**CTD221 Materials for Design**

Hours 3

Introduction to interior surface materials and resources used in the interior environment including application and aesthetics.

**CTD225 Resident Des/Graphic Comm**

Hours 3

Fundamentals of residential interior design focusing on presentation methods and hand drawing. An exploration of universal design, sustainability, and programming.

Prerequisite(s): C- or better in CTD 121

Prerequisite(s) with concurrency: CTD 330 Corequisite

**CTD226 Nonresidential Design**

Hours 3

Fundamentals of nonresidential interior design with emphasis on presentation graphics. Exploration of programming, spatial organization, and codes and standards for the business environment. Offered in the spring semester. Two laboratories.

Prerequisite(s): CTD 121, CTD 225 with a C- or higher

**CTD231 Sewn Products Analysis**

Hours 3

Structural analysis of textile products for apparel and household use. Focus on products, standards, specifications, and relationships among performance, quality, and price.

Prerequisite(s): CTD 261 CTD 281

**CTD241 Apparel Construction**

Hours 3

Introduction to apparel producer-retailer relationships. Emphasis on quality control and time management in meeting apparel specifications through application of apparel construction, fitting, and pattern alteration principles. Two laboratories.

Prerequisite(s): CTD 141 with a minimum grade of C-

**CTD245 Apparel Production**

Hours 3

Team approach to apparel product development including market research, design concepts, garment specification writing, sourcing, costing, production, quality control, and promotional materials. Offered in the spring semester. Two laboratories.

Prerequisite(s): CTD 241 with a minimum grade of C-

**CTD250 Construction Procedures for Interior Design**

Hours 3

Building construction for interior design with emphasis on architectural procedures and systems including electrical, plumbing, lighting, acoustical, and thermal control.



**CTD255 Comp Appl for Interior Design**

C

Hours 3

This course will provide students with a basic understanding of computer software applications and project documentation commonly used in interior design. Software introduced includes: Photoshop, InDesign, Sketchup, and 3D Studio Max. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CTD 226

Computer Science

**CTD261 Textiles**

Hours 3

Characteristics of the textile industry, fibers, yarns, fabric construction, and finishes. Selection, care, and performance characteristics of fibers and fabric applications for environments.

**CTD281 Fundamentals of the Fashion Industry**

Hours 3

Organization, promotion methods, and interrelationship of the textiles, apparel, and retailing industries. Includes consumer demand and diffusion of fashion. Offered in the fall semester.

**CTD292 Trend Analysis and Fashion Forecasting**

Hours 3

This class provides an overview of theories and techniques for identifying and utilizing consumer, aesthetic, and quantitative trends. Survey understanding the methods for determining past, current, and future trends within and between the disciplines of forecasting - textiles, color and style forecasting.

Prerequisite(s): CTD 281 CTD 261

**CTD302 Fashion Capitals Study Abroad Tour- New York, London, Paris, & Milan**

Hours 4

A course designed to provide new and diverse experiences to increase understanding of the fashion, apparel, and textile-related industries through design, merchandising and retailing venues in the four major fashion capitals of the world ( New York, London, Paris, and Milan). Range of learning environments promoted, including class discussions, company profile reports, assigned readings, journaling and presentations by professionals in the fashion industries of the four cities.

Prerequisite(s): CTD 281, Minimum 2.5 GPA

**CTD319 Textile Design**

Hours 3

Using the latest computerized design systems, students create original designs, repeats, colorways, and coordinates targeting specific markets. Emphasis is on the creative use of advanced software, awareness of industry trends and the development of an original portfolio of digitally produced designs.

Prerequisite(s): CTD 102

**CTD320 Visual Merchandising**

Hours 3

Introduces contemporary display techniques, equipment, and materials for designing three-dimensional product presentations within the retail environment. Using advanced computer software, students create and execute original visual programs and storewide promotions. Two lectures, one laboratory.

Prerequisite(s): CTD 292, and CTD 281

**CTD321 History of Interiors I**

Hours 3

Study of the furnishings, interior treatments, and lifespaces characteristic of selected styles from antiquity to the present. Offered in the Fall semester.

Prerequisite(s): CTD 226

**CTD323 Interior Design Internship Sem**

Hours 1

Exploration of internship possibilities and requirements, development of job-search skills and internship placement.

Prerequisite(s): CTD 325

**CTD325 Design For Special Populations**

Hours 4

Design of interior environments for persons with special needs such as health care, rehabilitation, education, and congregate-care interiors. Cabinet and millwork design. Offered in the fall semester. One lecture, two laboratories.

Prerequisite(s): C- or higher in CTD 226

**CTD326 Design For Hospitality Interiors**

Hours 4

Planning and design of interior spaces; project management; design and specification of interior architectural materials and furnishings. Offered in the spring semester. One lecture, two laboratories.

Prerequisite(s): C- or higher in CTD 325

**CTD328 ID Professional Practice**

Hours 3

Philosophy and organization of professional practice of interior design; studio management, contracts, budgets, specifications, professional organizations and prep for LEED certification. Offered in the spring semester.

Prerequisite(s): CTD 226

**CTD330 AutoCAD for Interior Design**

Hours 3

Introduction to computer-aided design applications within the field of interior design.

Prerequisite(s) with concurrency: Corequisite: CTD 225

**CTD340 Portfolio Development**

Hours 3

Dedicated to the study and completion of a student portfolio.

Prerequisite(s): CTD 226

**CTD349 Compt-Aid Apparel Design**

Hours 3

Application of computer technology to fashion illustration, apparel design, marker making, pattern making, and pattern grading. Offered in the spring semester. Two laboratories.

Prerequisite(s): CTD 350

**CTD350 Flat Pattern Design**

Hours 4

Principles and procedures governing the development and use of basic working (Block/Sloper) patterns. Use of manual flat pattern methods to develop patterns. Emphasis on the design process culminating in the designing of original apparel by the flat pattern method.

Prerequisite(s): CTD 102 and CTD 141 and CTD 241 and CTD 245 with a minimum grade of C-

**CTD351 Apparel Des Thru Drpng**

Hours 4

Techniques of creating a pattern or garment by working in 3-D by draping on a dress form are applied in the execution of original design.

Prerequisite(s): CTD 350 with a minimum grade of C-

**CTD353 Language of Design**

W

Hours 3

Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): EN 101 and EN 102; or EN 103 and CTD 121

Writing

**CTD355 Global Influences on Design**

Hours 3

This course will provide students with a basic understanding of environmental psychology of design, human behavior and movement, Italian culture, Italian fashion, and the effect these systems have on elements of design. This course provides a structure by which students can partake in a focused study of the built environment and clothing trends in Italy, within the framework of environmental design. These ideas are presented in a format that also develops the students' writing skills as one mode of communication within Interior and Apparel Design.

Prerequisite(s): CTD 121

**CTD361 Fashion Merchandising I**

Hours 3

This course provides a comprehensive study of the merchandising process including apparel buying and planning, elements of financial analysis, application of planning and buying principles, the wholesale selling process, and the development of problem solving skills in the context of a merchandising environment.

Prerequisite(s): MATH 112, CS 285, and (AC 210 or AC 211) each with a minimum grade of C-

Prerequisite(s) with concurrency: CTD 461

**CTD371 Lighting For Interiors**

Hours 3

Integration of the theory, techniques, and art of lighting design; principles, terminology, and equipment used in light distribution systems in the interior environment. Two lectures, one laboratory.

Prerequisite(s): CTD 226

**CTD374 Digital Commerce**

Hours 3

This course provides students with an in-depth exploration of the field of global e-commerce. Students examine how the Internet is rapidly becoming one of the primary communication, marketing, and commercial media for businesses in the fashion industry and how managers can effectively use this tool to execute their organization's strategic plans.

Prerequisite(s): CTD 281

**CTD381 Fashion Retailing Seminar**

Hours 1

Focus on professional development and profit analysis. Exploration of internship possibilities and requirements, development of job-search skills, and internship placement. Enrollment open to students applying for fashion retailing internships. Offered in the spring semester.

Prerequisite(s) with concurrency: CTD 481

**CTD387 Fashion Marketing**

Hours 3

It is the purpose of the this course to provide retailing and fashion design students with a marketing course that focuses on the fashion industry. Course Description - Apply the four Ps of the marketing concept - Price, Product, Promotion and Place - to the fashion industry, including branding, promotion, internaional marketing, and consumer behavior as related to the fashion industry.

Prerequisite(s): CTD 281

**CTD415 History Textile Design**

W

Hours 3

Study of the history of textiles emphasizing the influence of cultural factors. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered in the spring semester.

Writing

**CTD416 Hand Weaving**

Hours 3

The study of original textile design by handloom weaving, including yarn selection, warp yarn preparation, dressing the loom, interpretation of weave drafts, loom-controlled and finger weaving techniques, and methods of finishing loom projects. Hand spinning and dyeing of wool yarns with natural dyes in an outdoor setting are also included. These hand-dyed yarns are used in a loomed project. For those interested drafting by computer software, working with "Weave It-Pro"- may be included.

**CTD422 Research and Theory for Interior Design**

W

Hours 3

Study of research methods and design theories utilizing historical knowledge from CTD 321. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Offered in the spring semester.

Prerequisite(s): CTD 425

Writing

**CTD423 Intern Interior Design**

Hours 3

Experience in interior design or related business under supervision of advisor and the business management. Offered during the summer session.

**CTD425 Advanced Residential Design**

Hours 4

Problems in design of the home environment; individual and group problem solving. Emphasis is on historic preservation principles and practices for interior designers. Offered in the fall semester. One lecture, two laboratories.

Prerequisite(s): C- or higher in CTD 326

**CTD426 Advanced Design**

Hours 4

Problems in design of business and professional interiors; construction drawings using computer-assisted design; individual and group problem solving. Requires senior thesis. Offered in the spring semester. One lecture, two laboratories.

Prerequisite(s): C- or higher in CTD 425

**CTD427 Advanced Computer Applications in Design**

C

Hours 3

This course will provide students with an overview of computer software applications and project documentation commonly used in design. The course will provide an overview and introduction to Revit and 3d studio max. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CTD 250

Computer Science

**CTD446 Cult Dynam Apparel Text**

Hours 3

Impact of cultural dynamics on apparel and textile production and marketing. Offered in the spring semester.

**CTD447 Text Apparel Intnat Trade**

W

Hours 3

Study of the evolution of the textile industry and its products, emphasizing multinational characteristics and contemporary issues. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): EC 110 or EC 112 or EC 111 or EC 113; and CTD 281

Writing

**CTD448 History Of Costume**

Hours 3

Costume development from prehistoric to modern times. Study of cultural forces in relation to the evolution of costume. Offered in the fall semester.

**CTD450 Advanced Apparel Design**

Hours 4

This course emphasizes synthesis and application of design theories and the procedures and processes used in the apparel industry. Development of a portfolio of original design work is required. Two laboratories.

Prerequisite(s): CTD 350 and CTD 351 with a minimum grade of C-

**CTD455 Text Apparel Prod/Design**

Hours 1-6

The course will provide students with an overview of computer software applications and project documentation commonly used in design. The Course will provide an overview and introduction to Revit and 3d studio max. The Skills are presented in a format that emphasizes use of the computer as a creative tool. Students will develop a mastery of the programs in subsequent courses. Extensive use of the computer is a condition for passing this course. While extensive use of the computer is required, this course is not approved as a C designated core course.

**CTD461 Quality Control for Textiles**

Hours 3

Use of standard laboratory test methods and computerized statistical data analysis to evaluate the quality of textile products. Offered in the fall semester.

Prerequisite(s): CTD 261 CTD 231 or CTD 241

**CTD481 Fashion Merchandising II**

Hours 3

Merchandise planning and control; techniques of merchandising, including unit and dollar assortment planning, inventory control, and procurement. Block course. Offered in the fall semester.

Prerequisite(s): CTD 361

Prerequisite(s) with concurrency: CTD 381

**CTD485 Intern Fashion Retailing**

Hours 9

To participate, students must make application to the department by the first day of classes during the spring semester of the junior year. A grade point average of 2.50 or higher is required for the professional courses specified under "Fashion Retailing Concentration for AT Majors" in this catalog. The course involves supervised work experience in a business related to the major field of study.

Prerequisite(s): CTD 381

**CTD498 Directed Indiv Studies**

Hours 1-6

Independent Study.

**CTD499 Directed Indiv Studies**

Hours 1-6

*No description available***HD101 Life Span Human Development**

SB

Hours 3

An introductory survey of basic principles of human development across the life span. Developmental principles are studied within the framework of change and stability in the domains of the physical, cognitive, and psychosocial development. HD 101 counts toward the Social and Behavioral Sciences requirement of the UA Core.

Social and Behavioral Sciences

**HD102 Honors Lifespan Human Development**

SB, UH

Hours 3

An introductory survey of basic principles of human development across the life span. Developmental principles are studied within the framework of change and stability in the domains of the physical, cognitive, and psychosocial development. Additional emphasis in the honors section is made to develop critical thinking and research skills as applied to the study of human development. This course counts toward the Social and Behavioral Sciences requirement of the UA Core.

Social and Behavioral Sciences, University Honors

**HD202 Child Dev-Infancy/Todlr**

Hours 3

The growth and development of the child from conception to three years of age are studied. Methods used in infant research, practical implications of research, and major theoretical issues and observational techniques are addressed. Three lecture hours, one laboratory hour per week. HD 202 and HD 205 cannot be taken in the same semester.

**HD203 Medical Terminology**

Hours 2

A study of medical language by exploring the structure, meaning and usage of terms frequently utilized in health care settings. A basic summary of the body systems is included.

Prerequisite(s): BSC 109, or BSC 114 and BSC 115, or BSC 215 and BSC 216, or BSC 118.

**HD205 Early and Middle Childhood Development**

Hours 3

The growth, development, and guidance of young children from three through eight years of age are studied. Practical implications of research and major theoretical issues and observational techniques are addressed. The importance of play in fostering a broad range of developmental goals for children is stressed. Three lecture hours, one laboratory hour per week. HD 202 and HD 205 cannot be taken in the same semester.

**HD210 Understanding Addiction**

Hours 3

This course is an examination of chemical addiction (e.g.drugs) and behavioral addiction (e.g.,gambling). Theories of addiction, treatment of addiction, and current research on addiction will be discussed.

Prerequisite(s): None

**HD215 Foundations of Early Childhood Education**

Hours 3

Focuses on the theory, philosophy and goals of early childhood education. Topics include the role of the teacher and of the environment as they influence children's learning and what it means to be an early childhood professional. This course provides students with an understanding of the appropriate practices to be used with young children, birth through age 5.

Prerequisite(s) with concurrency: HD 202 or HD 205

**HD220 Research and Critical Thinking in Human Development and Family Studies**

Hours 3

Introduction to the process of research in Human Development and Family Studies. Measurement, research design, and statistics with a heavy emphasis on critical thinking and drawing appropriate conclusions from research.

**HD226 Introduction To Child Life**

Hours 3

Provides students with an introduction to the field of child life.

**HD262 Marriage And Family**

Hours 3

A study of marriage and family relationships from a combination of sociological and psychological perspectives.

**HD302 Child Dev-Adolescence**

Hours 3

Introduction to the theory of and research on development of children ages nine to the early twenties. Special attention is given to major transitions in the cognitive, social, and moral domains, as well as to psychological effects of physical maturation. Influences of the family, the schools, and peer relations on adolescent development are considered.

**HD321 Curriculum Planning in ECE I**

Hours 3

The principles underlying the selection, use, and value of experiences that appropriately foster concept development and creative expression in young children are examined. Students design and implement developmentally appropriate experiences for young children in a supervised laboratory setting. Three lecture hours and one-and-a-half laboratory hours per week. For majors only.

Prerequisite(s): HD 202 and HD 205

**HD322 Curriculum Planning in ECE II**

Hours 3

Second in the sequence in which students examine the principles underlying the selection, use, and value of experiences that foster concept development and creative expression in young children. Students design and implement developmentally appropriate experiences for young children in a supervised laboratory setting. Three lecture hours and one-and-a-half laboratory hours per week. For majors only.

Prerequisite(s): HD 202, HD 205 and HD 321

**HD325 Problems in Child/Adolescent Development**

Hours 3

Examination of typical and atypical problems during child and adolescent development. The following will be covered: (1) approaches to conceptualizing, theorizing, studying, assessing, and treating problems in development and (2) prevalence, comorbidity, etiology, and developmental course of specific childhood/adolescent disorders.

Prerequisite(s): HD 101

**HD326 Play in Child Development**

Hours 3

The role and developmental value of play, including what can be learned from children's play, planning appropriate play-based activities, and play in special populations, with particular emphasis on play in children experiencing a healthcare event.

Prerequisite(s): HD 202 and HD 205

**HD327 Assessment of Young Children**

Hours 3

This course provides students with an understanding of the forms, functions, methods, and roles of assessment for planning and implementing effective early childhood programs for young children from diverse cultures and with varied learning needs. The students will gain an understanding of appropriate strategies for conducting, reporting, and decision making related to specific functions of assessment. Students are expected to become competent in the use of authentic assessment strategies to describe each child's learning strengths and instructional needs.

Prerequisite(s): HD 202 and HD 205

**HD335 Trauma and Stress in Children, Individuals, and Families**

Hours 3

Development and functioning of the human stress response and self-regulation systems. Addresses bi-directional links between problem behavior and stress/trauma and strategies for promoting healthy stress response system functioning in children, individuals, and families.

Prerequisite(s): HD 101

**HD375 Foundations of Addiction Counseling**

Hours 3

Examination of essential skills in addiction counseling including screening, assessment, referral, crisis intervention, counseling skills, case management skills, and ethics.

Prerequisite(s): HD 210

**HD382 Parent And Family Devt**

Hours 3

Explores the changing nature and dynamics of parent-child relationships. Implications for parenting strategies and parent education are included.

**HD399 Prior Learning Human Development**

Hours 1-30

*No description available***HD400 ECE Internship Seminar**

Hours 1

This course provides students a support mechanism to facilitate reflection and performance assessment through regularly scheduled seminars during teacher internship.

Prerequisite(s): Consent of instructor.

**HD401 Cult Influ Child Yth Fam**

W

Hours 3

This course is designed to understand race and ethnicity in its political, social and historical context. Since the culture in which we are raised as children and youth greatly influences our attitudes, beliefs, values and behaviors, it is important to gain an awareness of the cultural background of our own, as well as others' thoughts, feelings and acts. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. At the completion of this course, students should be able to recognize and appreciate the emotional and intellectual energies felt by a variety of subculture groups and be able to express this awareness through the written word.

Writing

**HD405 Policy Issues: Family, Crime and Addictions**

Hours 3

The impact of government policies on youth, adults, and families with addictions will be the focus of this course. The course will examine the intersection of addictions and crime, while exploring the policies and practices of specialty courts such as Juvenile Court, Family Court, Drug Courts and others. In addition, the students will review the current state of the family, family trends, and the implications for family policy. The varied effects that policies and programs can have on different types of families and different aspects of family functioning will be explored. The process of policy formation, implementation, evaluation and advocacy will be reviewed. Finally we will examine current economic and political forces that influence federal and state governments in development and implementation of key areas of legislation, and the impact of such policy on citizens and their families.

Prerequisite(s): None

**HD412 Adult Development**

W

Hours 3

Theories of and research on social, emotional, cognitive, and physical development throughout adulthood: young adulthood, middle adult years, and older adult years. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HD415 Addiction Prevention**

W

Hours 3

Examination of prevention methods for substance use and addiction. Needs assessment, prevention strategies, program development, and program evaluation will be covered. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HD422 Admin Child Centers & Programs**

W

Hours 3

Children's centers and programs, including child development and child life programs, are examined and evaluated. Legislation, standards, program planning, and practical aspects of financing, administration, supervision, and management are explored. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Six credit hours of HD 200-499

Writing

**HD426 Hospitalized Child Youth**

Hours 3

Examination of the theoretical basis of the psychosocial care of children, youth, and families in health care settings. The etiology of childhood illness and disease, clinical procedures, communication techniques, and research literature are studied from a developmental perspective. Restricted to HDFs students who have applied and formally been accepted to the concentration in Child Life.

Prerequisite(s): HD 226 and HD 326

**HD432 Special Topics in Early Childhood Education**

Hours 1-3

In-depth understanding of contemporary research and practice topics in Early Childhood Education.

**HD433 Special Topics in Human Development and Family Studies**

Hours 1-3

In-depth understanding of contemporary research and practice topics in human development and family studies.

**HD435 Special Topics in Addiction & Recovery**

Hours 1-3

In-depth understanding of contemporary research and practice topics in addiction and recovery.

**HD436 Child Life Practicum**

Hours 1-3

Clinical experiential learning opportunity for child life concentration students to become familiar with the roles of the child life specialist and to develop introductory skills for supporting pediatric patients and their families in clinical settings. Combines observational learning and supervised interactions with pediatric patients to further child life students' skills and knowledge in offering therapeutic play interventions, completing development and psychosocial assessments, and building rapport with patients and families.

Prerequisite(s): HD 226

**HD445 Addiction and the Family**

Hours 3

This course is an examination of the impact of substance abuse and addiction on the family as well as the influence of familial factors and family dynamics on addiction and the process of recovery.

**HD450 Addiction: Treatment and Recovery**

Hours 3

Examination of evidence-based treatment for addiction and the process of recovery from addiction.

Prerequisite(s): HD 210

**HD451 Loss And Bereavement**

Hours 3

Designed to give child life students opportunities for in-depth study of issues of grief and bereavement as they impact children and families. An emphasis is placed on theories of grief resolution and applications in health care settings. The class is conducted in a seminar format with out-of-class placements.

**HD462 Interpersonal Relationships**

Hours 3

The course examines the dynamics of interpersonal interaction related to the development and maintenance of relationships. Current issues and problems are explored and related to marital and family system characteristics.

**HD472 Program Evaluation**

Hours 3

Examines the principles and methods by which programs for children and families are empirically evaluated.

Prerequisite(s): Six credit hours of HD 200-499

**HD475 Human Sexuality Sex Education**

Hours 3

Current scientific knowledge of physiological, sociological, and psychological factors influencing sexual development and relations.

**HD480 Children And Divorce**

Hours 3

Examines the effects of divorce on children's cognitive and social-personality development. Implications for helping children of divorce is included.

Prerequisite(s): HD 101 or HD 262

**HD483 Methods of Family Life Education**

W

Hours 3

Opportunities to observe, plan, implement, and evaluate family life education programs. Standards and criteria leading to certified family life educator are overviewed. Professional responsibilities and ethics are emphasized. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): HD 382 and minimum of 90 semester hours

Writing

**HD488 Senior Seminar**

Hours 2

Examines philosophy of programs for families and children as well as issues of professional identity and influences on professional and career choices.

**HD491 Direct Individ Study-Hd**

Hours 1-6

Designed to enable students to pursue special needs and interests under supervision.

**HD492 Dir Ind Study Fam Rel**

Hours 1-3

Designed to enable students to pursue special needs and interests under supervision.

**HD493 Directed Research**

Hours 1-6

*No description available***HD495 Early Childhood Ed Internship**

Hours 1-12

Internship experience for Early Childhood Education majors only. Permission of the instructor required.

Prerequisite(s): HD 202 and HD 205 and HD 321 and HD 322

**HD496 Child Life Internship**

Hours 12

Internship experience for students in the child life concentration only. Permission of the instructor required.

Prerequisite(s): HD 202 and HD 205 and HD 321 and HD 322 and HD 426

**HD497 Family Life Ed Adv Internship**

Hours 6-12

Internship experience for students in family life education and advocacy concentration only. Permission of the instructor required.

Prerequisite(s): HD 483

**HD498 Adolescent Youth Devel Intern**

Hours 6-12

Internship experience for students in the Adolescence and Youth Development concentration only. Permission of the instructor required.

Prerequisite(s): HD 302

**HD499 Internship in the Addiction Field**

Hours 6-12

Internship experience for students in the Addiction and Recovery Major. Permission of the instructor required.

Prerequisite(s): HD 210 and HD 375 and HD 415 and HD 450. Permission of the instructor required.

**HES100 Freshman Compass Human Env Sci**

FCMP

Hours 3

Designed to help students make the transition to a large comprehensive research university, develop a better understanding of the learning process, and acquire basic academic survival skills.

Freshman Compass

**HES103 Distance Compass HES**

Hours 3

This course is open to incoming CHES distance learning students and provides an introduction to the nature of higher education and a general orientation to the functions, resources, and activities of The University of Alabama. Students also receive an introduction to the careers within the scope of the family and consumer sciences profession.

**HES225 Mentoring**

Hours 3

Provides students who are interested in becoming one-on-one mentors for at-risk elementary and middle school students with knowledge and skills needed to be successful.

**HES250 Career Develop/Planning**

Hours 3

This elective course designed for freshmen and sophomores offers students the opportunity to evaluate themselves, their abilities and interests, their personality characteristics, and their values, in order to begin forming career goals or to complete goals already set. This course will provide students with information on occupational characteristics, the career decision-making process, current issues in the career world, developing employability, job readiness, and job search techniques. Restricted to students outside the College of Human Environmental Sciences.

**HES275 Leadership Develop Thru Serv**

Hours 1-3

Encourages volunteerism as a way to develop leadership skills and a sense of responsibility to one's community as advocates for service. Students are provided with a list of nonprofit service agencies in Tuscaloosa, from which they may choose. Students may submit alternative sites for approval by the instructor. Students must provide their own transportation to the volunteer site.

**HES310 Improving Lives: Professionalism and Multidisciplinary Collaboration**

Hours 3

An examination of the multidisciplinary nature of human sciences with an emphasis on identifying and addressing issues through a collaborative framework. Professional development within the context of the discipline and focused on career longevity.

**HES350 Issues in Career Development**

Hours 3

This elective course is designed for juniors and seniors to prepare them for reaching their career goals. The focus of this course will be on helping students match their skills, interests and academic background with a good fit for them in today's work environment. This course will provide students with information on occupational characteristics, fine tuning their the career decision-making process, current issues in the career world, developing skills for identifying the best career, marketing themselves, applying for jobs/internships, and interviewing techniques to ensure career goals are met.

**HES399 Prior Learning In Hes**

Hours 1-30

Prior Learning in HES.

**HES450 Volunteer & Civic Responsibility**

W

Hours 3

This course is intended to promote a spirit of volunteerism, community service and civic responsibility in the development of leadership skills for the improvement of the larger community. Students gain an understanding of the process for assessing community needs, accessing resources and implementing activities that improve the lives of individuals, families and communities as they complete experiences with non-profit agencies. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HES452 Trends & Issues**

Hours 3

Course developed for sport professionals to gain knowledge and understanding of contemporary trends and issues in sport management.

**HES460 Sports Business Management**

Hours 3

This course is designed for student/prospective sport industry professional desiring to increase their knowledge and understanding of current issues in sports business management and the sport industry.

**HES485 Self-managed Mentoring**

W

Hours 3

This web-based course explores self-development of the individual and mentoring as a part of leadership development. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HES490 Indiv Study Human Envir Science**

Hours 1-6

Individual study in an area of human environmental studies.

**HHE265 Safety and Injury Prevention**

Hours 3

Among people 1-44 years of age, unintentional injury is the leading cause of death in the United States according to the centers for disease control and prevention (CDC). Even after age 44, unintentional injury remains among the top ten causes of mortality among Americans. Additionally, millions of Americans are injured each year and not die. For individuals that survive an injury, pain and disability can linger for years, if not for the rest of their lives. This course explores the complex nature of unintentional injuries while examining the impact of various prevention strategies.

Prerequisite(s): NONE

Prerequisite(s) with concurrency: NONE

**HHE270 Personal Health**

Hours 3

A thoughtful discussion of individual, social, environmental, and political factors that influence personal health and well-being.

**HHE273 Introduction to Public Health**

Hours 3

Methods and techniques by which community health workers identify and measure the scope and intensity of health problems.

**HHE370 Prin/Foundatn Health Promotion**

Hours 3

The course examines the role of health education/health promotion and includes an orientation to the profession and consideration of current trends, problems, and issues in health education.

**HHE375 Health Behavior Theory**

Hours 3

The purpose of this course is to examine the determinants of health-related behavior and discuss how health education/promotion theories and models are used in research and practice.

Prerequisite(s) with concurrency: HHE 370

**HHE378 Drugs, Society, and Human Behavior**

W

Hours 3

The purpose of this course is to provide an introduction to topics associated with drug use, primarily from a public health perspective. The course will address the effects of drug use on society and the individual, and examine physiological, psychological, and sociological aspects of this public health problem. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**HHE380 Public Health Systems and Policy**

Hours 3

Local, state, and national public health policy and politics. Review and analysis of public and private health systems.

Prerequisite(s): HHE 273



**HHE385 Introduction to Patient Education**

Hours 3

This course serves as an introduction to theories that apply to the practice of patient education in a variety of health care settings. Additionally, the course provides an overview of the U.S. health care industry. Emphasis is on education for promotion of health and change of lifestyle.

Prerequisite(s): HHE 270

Prerequisite(s) with concurrency: HHE 375

**HHE440 Understanding Stress Mgt**

Hours 3

An examination of the psychophysiology of the stress response and indicators of excessive stress. Stress management techniques are examined and taught.

**HHE445 Environmental Health**

Hours 3

The course is designed to promote the acquisition of environmental health knowledge and skills for application in community/public health education settings. Course content will address environmental factors that affect human and ecological health and environmental health education and promotion strategies.

Prerequisite(s): HHE 273

**HHE446 Health Disparities**

Hours 3

This course is designed to explore health disparities in the United States and throughout the world. Course content will address societal factors that have an impact on health disparities. The course focus will also address cultural competency and appropriate health education and promotion strategies.

Prerequisite(s): HHE 370

**HHE450 Introduction to Epidemiology for Health Education and Promotion**

Hours 3

An introductory course in epidemiology designed to promote an understanding of the analysis and application of epidemiological data for students in health professions with a primary focus on health education and promotion.

Prerequisite(s): HHE 270 HHE 273

**HHE467 Design Eval Health Promo**

Hours 3

Designed to help health educators develop competencies in program design, implementation, and evaluation.

Prerequisite(s): HHE 370 and HHE 375

**HHE468 Pract Appl Health Comm & Promo**

Hours 3

A lecture/demonstration/discussion course designed to help health educators develop competencies in program applications, with particular attention to the needs assessment process and health communication techniques.

Prerequisite(s): HHE 370 and HHE 375

**HHE470 Needs Assessment and Program Planning**

Hours 3

This course examines the principles of conducting needs assessments and planning effective health promotion programs, including the implementation of sound prevention and health promotion strategies.

Prerequisite(s): HHE 370 and HHE 375

**HHE475 Program Evaluation in Health Promotion**

Hours 3

Designed to provide practical tools that can be used in real world settings, this course will examine methods to determine if and how a particular health-related program works. Emphasis will be placed on process and impact evaluation methods.

Prerequisite(s): HHE 370 and HHE 375

**HHE480 Culminating Experience in Public Health**

Hours 3

The purpose of this course is to provide students in the Public Health program with opportunities to apply public health and health education/promotion concepts presented during their undergraduate courses. This course includes observations, applications, and reflections of those concepts in professional practice.

Prerequisite(s): HHE 370, Advisor Permission Required

Prerequisite(s) with concurrency: HHE 468

**HHE485 Service Learning in Health Promotion**

Hours 3

The purpose of this course is to give students the opportunity to provide small group health education in a local community setting based on a health need identified by community members. The didactic component of the course involves an introduction to service learning; an overview of health literacy and health education principles, theory, and strategies; and an in-depth review of the pathophysiology, prevention, and treatment of a particular disease or condition (e.g., Type 2 diabetes). The illness selected would be based on community input. This course will expose students to various genetic, behavioral, and social determinants of health. Approval of instructor required.

**HHE488 Internship Community Hlth**

Hours 12

Directed internship in a community health agency, business, clinic, or other health-related setting; observation and on-the-job experience through direct participation.

Prerequisite(s): HHE 370, Advisor Permission Required

Prerequisite(s) with concurrency: HHE 468, HHE 470, HHE 475

**HHE490 Certified Health Education Specialist Study Course**

Hours 3

Course is designed to help students develop and/or refine skills related to the planning, implementation, and evaluation of health education programs in various settings. Completion of the course is also intended to prepare students for the Certified Health Education Specialist examination.

Prerequisite(s): HHE 370

Prerequisite(s) with concurrency: HHE 468

**HHE496 Independent Study**

Hours 1-6

Designed to provide the opportunity for independent work in any area of health education/health promotion.

**NHM101 Intro Human Nutrition**

Hours 3

Introduction to principles of the science of nutrition, with implications for and applications to food selection for individuals of all ages.

**NHM102 Honors Introduction to Human Nutrition***UH*

Hours 3

Introduction to Human Nutrition, as an introduction to principles of the science of nutrition, with implications for and applications to food selection for individuals of all ages. Additional emphasis in the honors section is made to develop critical thinking skills in the application of the principles of nutrition and its role in improving human health.

University Honors

**NHM115 Introduction to Nutrition for Athletes**

Hours 1

Applied sports nutrition theory and practice designed to provide physically active students with the basic knowledge of food, drink, and supplements and their effect on optimizing physical performance and health. Topics to include: balancing calorie intake with physical activity, fueling for performance and health, managing a healthy weight for sport, examining sports supplements, appropriate pre/during/post competition fueling/refueling habits, basic practical student cooking and shopping skills, and mindful eating.

Prerequisite(s): None

Prerequisite(s) with concurrency: None

**NHM195 Intro Dietetics Nutrition**

Hours 1

An overview of the major of food and nutrition and professions in nutrition and dietetics. Learn medical language by exploring the structure and meaning of terms frequently utilized in health care settings. Course includes guest speakers and lectures. Instructor permission required for non-majors.

**NHM201 Nutrition In Life Cycle**

Hours 3

Application of principles of basic nutrition to each stage of the life cycle. Emphasis is on the relationship of nutrition to growth, development, and health.

Prerequisite(s): NHM 101 or NHM 102

**NHM210 Dynamics Weight Control**

Hours 3

Analysis of interaction of nutrition and exercise in weight control. Techniques for measuring energy needs, estimating body composition, applying nutrition principles to weight control, and evaluating popular diet and exercise programs.

**NHM250 Principles of Food Preparation**

Hours 3

Principles of Food Preparation as they relate to food quality and acceptability. Restricted to RHM majors and NHM minors.

**NHM253 Food Science**

Hours 3

Introduction to the functionality of food ingredients and how the chemistry of food dictates the methods of preservation and preparation.

Prerequisite(s): NHM 101 or NHM 102 and CH 104 or CH 101 or CH 100.

Prerequisite(s) with concurrency: NHM 201

**NHM295 Intro Research Food Nutr**

Hours 1

Basic research designs will be introduced and their applications in the broad areas of practice in dietetics will be discussed. Students will learn to use the Evidence Based Library of the Academy of Nutrition and Dietetics Web site. Student membership in the Academy of Nutrition and Dietetics is a requirement of this course.

Prerequisite(s): NHM 101 or NHM 102

**NHM305 Vegetarian Nutrition**

Hours 3

This course will provide students with an introduction to vegetarian nutrition, including background information on general nutrition. This course will also cover a vegetarian diet's role in disease prevention, courses of plant-based nutrients, vegetarian diets throughout the life cycle, food policy and how to implement vegetarian diets into different areas of dietetic practice.

**NHM315 Nutrition For Performance**

Hours 3

This course is designed to address nutrition issues related to exercise and athletic performance.

Prerequisite(s): NHM 101 or NHM 102

**NHM320 Food in Film***HU*

Hours 3

This course is genre study of the relationships between food, film, and culture. It introduces the portrayal of food and nutrition topics in film media, exploring cultural diversity and food relationships in media, the dynamic interaction of shifting food values with evolving media, and explores ethical and socio-political issues of portraying food in film.

Humanities

**NHM340 Community Nutrition***W*

Hours 3

Nutrition assessment of individuals and groups; provision of nutrition services in the community. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): NHM 101 or NHM 102 and NHM 201.

Writing

**NHM345 Nutrition Counseling**

Hours 3

This course focuses on developing foundational skills in nutrition counseling and incorporation of the nutrition care process into nutrition counseling.

Prerequisite(s): NHM 101 or NHM 102, NHM 201

Prerequisite(s) with concurrency: NHM 363

**NHM346 Nutrition Education: Theories and Practice**

Hours 3

This course focuses on developing competency in learning-system design, with special emphasis on theory-based education models and teaching nutrition in a variety of settings.

Prerequisite(s): NHM 101 or NHM 102, NHM 201, NHM 345

**NHM361 Nutritional Biochemistry**

Hours 3

Intermediary metabolism of carbohydrates, fat, and protein with emphasis on homeostatic regulation in health and disease.

Prerequisite(s): NHM 101 or NHM 102, and CH 105 or CH 231

**NHM362 Nutrition At Cell Level**

Hours 3

Physiological and chemical basis of nutrient needs.

Prerequisite(s): NHM 361

**NHM363 Applied Nutrition**

Hours 3

Principles of nutrition assessment, including interviewing and nutrition care plans. Application of principles to selected stages of the life cycle.

Prerequisite(s): NHM 201 and BSC 215 and BSC 216

**NHM365 Med Nutr Therapy I**

Hours 3

Study of pathophysiology and medical nutrition therapy for specific disease conditions.

Prerequisite(s): BSC 215 and BSC 216 and NHM 361 and NHM 363

**NHM366 Supv Pract Med Nutr Therapy I**

Hours 3

Supervised clinical dietetics experience applying NHM 365 coursework. This course is only for students admitted to the Coordinated Program in Dietetics.

Prerequisite(s) with concurrency: NHM 365

**NHM372 Intro Food Service Mgt**

Hours 3

Course includes theories, functions, and principles of management and tools for decision making.

**NHM373 Purchsg Design Risk Mgt Food S**

Hours 3

Principles, methods, and techniques used in purchasing food and equipment. Analysis of layout and design and of techniques used in evaluating work flow. Principles and techniques used in managing sanitation, safety, and security functions in food service.

Prerequisite(s): NHM 101 or NHM 102 and NHM 372

Prerequisite(s) with concurrency: NHM 253 or NHM 250

**NHM374 Quant Food Prod & Servc**

Hours 3

Theory and techniques of quantity food production and service. Application of theory through hands-on experience.

Prerequisite(s): NHM 250 for RHM majors NHM 253 for NHM majors

**NHM390 Pract Food Service Mgt I**

Hours 3

This directed individual study is designed to bridge the gap between the student's quantity foods laboratory course and the senior food service management supervised practice. Students will be placed in commercial health-care food service operations. This course is only for students admitted to the Coordinated Program in Dietetics.

Prerequisite(s): NHM 372, NHM 373 and NHM 374

**NHM395 Intro Research Food Nutr**

Hours 1

Basic research designs will be introduced and their applications in the broad areas of practice in dietetics will be discussed. Students will learn to use the Evidence Based Library of the American Dietetics Association Web site. Student membership in the Academy of Nutrition and Dietetics is a requirement of this course.

Prerequisite(s): NHM 101 and NHM 201

**NHM401 Nutrition Health Profesn**

Hours 3

Covers the practical application of principles of normal nutrition (including the nutritive value of foods) and introduces nutrition for persons with health problems. Primarily for students pursuing careers in health care.

**NHM441 Nutrition Education**

Hours 2

Focuses on developing competency in learning-system design, with special emphasis on teaching nutrition in various settings.

Prerequisite(s): NHM 101, NHM 201, and NHM 442

**NHM442 Nutrition Care Process**

Hours 1

Focuses on developing competency in nutrition counseling.

Prerequisite(s): NHM 101 and NHM 201

Prerequisite(s) with concurrency: NHM 363

**NHM454 Experimental & Functional Food Science**

Hours 3

Chemical and physical properties affecting food product development. Introduction to functional foods with additional value beyond basic nutrition. Strong analytical and writing skills are necessary for synthesizing peer-reviewed literature on experimental and functional foods in order to critically address nutrition questions. Scientific writing proficiency within this discipline is required for a passing grade in this course. One lecture per week with labs embedded within lectures.

Prerequisite(s): NHM 101 or NHM 102, NHM 253, NHM 340, NHM 365, NHM 395 or NHM 295, and CH 105

**NHM464 Superv Pract Commun Nutr**

Hours 1

Experiences that include nutrition assessment, counseling, and delivery of nutrition services in the community. This course is only for students admitted to the Coordinated Program in Dietetics.

**NHM465 Medical Nutrition Therapy II**

Hours 3

Continuation of NHM 365. Basic principles of enteral and parenteral nutrition support, as well as advanced medical nutrition therapy for critical care.

Prerequisite(s): NHM 365

**NHM466 Sup Pract Med Nutr Therapy II**

Hours 3

Supervised clinical dietetics experience applying NHM 465 coursework. This course is only for students admitted to the Coordinated Program in Dietetics.

**NHM467 Supervised Practice in Long-term Care**

Hours 3

Supervised clinical dietetics experience in the long-term care setting. This course is only for students admitted to the Coordinated Program in Dietetics.

Prerequisite(s): NHM 365, NHM 366, NHM 465, and NHM 466.

**NHM468 Practicum Nutrition Food Servi**

Hours 1-5

Planned professional experience working in nutrition and/or food services. Usually in a medical care environment.

**NHM475 Mgt Food Service Systems**

Hours 3

Through lectures and class discussions, the theory, functions, and principles of management are applied. Emphasis is on personnel and financial management, problem solving, decision making, and systems analysis.

Prerequisite(s): NHM 372 and NHM 373 and NHM 374

**NHM476 Pract Food Serv Mgt II**

Hours 2

Supervised practice in an institutional food service setting applying NHM 475 coursework. This course is only for students admitted to the Coordinated Program in Dietetics.

**NHM485 Sup Prac in Dic Mgmt**

Hours 3

Conduct a research project using appropriate research methods, ethical procedures and statistical analysis to culminate in the execution of a program for a target population. Develop and implement a curriculum, adhere to budget constraints, and implement a marketing plan utilizing web based messages and social media. This course is only for students admitted to the Coordinated Program in Dietetics.

Prerequisite(s): NHM 366, NHM 390, NHM 464, and NHM 466

**NHM490 Directed Individual Study**

Hours 1-6

Individual study in nutrition or food service management. Students must receive Instructor Approval for override into class.

**NHM491 Directed Professional Study**

W

Hours 3

Individual professional study in management, clinical, or community dietetics. Requirement of 160 clock hours spent in assigned site. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): NHM 365

Writing

**NHM492 Prepare Dietetic Internship**

Hours 1

To provide students in the DPD program who are seeking a Verification Statement with the knowledge to be successful in applying for a dietetic internship upon graduation.

**NHM499 Undergraduate Research**

Hours 1-6

Under faculty supervision, the student designs an investigation; collects and analyzes data; and prepares a written report and seminar on the research project.

**RHM175 Introduction to Hospitality Management**

Hours 3

Introduction to the opportunities, theory, functions, and principles of management in the food service, meeting and events, and lodging industry. Examination of basic operational systems and problems related to the industry.

**RHM185 Intro Meetings Events Ind**

Hours 3

Introduction to the structure, stakeholders and principles of management in the meetings and events industry. Examination of basic planning and production elements for meetings and events.

**RHM221 Introduction to the Tourism Industry**

Hours 3

This course is designed to provide students with a broad view of the various components of tourism, their functions, and the relationship of tourism in hospitality management. The social, cultural, and psychological aspects of travel and tourism will be examined. The basic services necessary for successful travel and tourism will be examined and discussed.

Prerequisite(s): RHM 175

**RHM235 Introduction to the Sport Industry**

Hours 3

Introduction to the theoretical and applied foundations of sport management including the range of career opportunities and significance of skilled management within the sport industry.

**RHM236 Creating the Fan Experience**

Hours 3

Examine variables that impact a fan experience and review customer service practices that are necessary to maximize the success of a sporting event. Evaluating the experience and measuring fan satisfaction will be explored.

Prerequisite(s): RHM 175 or RHM 235

**RHM241 Mgt Of Food/Beverage Operation**

Hours 3

Course focuses on how to profitably manage a food service operation in order to satisfy guests. Students learn how to give guests the highest priority as the details of food and beverage operations are planned, implemented, and evaluated.

**RHM251 Hospitality Employee Suprv/Mgt**

Hours 3

Focuses on information managers need in order to recruit, select, and train employees; increase productivity; control labor costs; effectively communicate; manage conflict and change; and use time management techniques.

**RHM274 Basic Accounting in the Hospitality Industry**

Hours 3

This course is an introduction to basic accounting in the hospitality industry which includes accounting and financial reporting concepts and the use of accounting information in financial and managerial decisions.

Prerequisite(s): RHM 175; MATH 110 or MATH 112

**RHM285 Food Safety And Risk Management**

Hours 3

Principles and techniques used in managing sanitation, safety, and security functions in food service and lodging operations. Outlines sanitation and risk management programs that help hospitality operations provide quality products and services, comply with regulations, and improve the bottom line.

**RHM300 Event Plan Wedding Coordinator**

Hours 3

This course reviews the interdependent functions of event planning for weddings. Students will learn about the decisions, problems and concerns of planning effective wedding events. They will design, plan and execute a wedding from start to finish.

**RHM303 Managing Quality in the Hospitality Industry**

W

Hours 3

Designed to acquaint students with quality and leadership issues facing today's hospitality industry. Students learn the principles of the concepts of continuous improvement, quality service, power and empowerment, communication skills, goal setting, teams, diversity, and managing organizational change. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): RHM 175

Writing

**RHM313 Contemporary Club Management**

Hours 3

Introduces students to the unique world of private club management. Focus on issues club managers face on a daily basis.

**RHM315 Food and Culture**

Hours 3

Humans eat meals, and we have developed culturally significant ways of using these foods in cooking and other cultural practices. These food habits become defined and codified within a culture. Each of ethnic, religious, and regional groups has traditional food habits that differ slightly or significantly and effective food service requires an understanding those food and culture. This course aims to understand the rapidly expanding field of food and culture.

Prerequisite(s): RHM 175

**RHM317 Social Issues in Sport & Entertainment Operations**

Hours 3

The course examines the intersections between the sport industry and social and societal occurrences. Several implications discussed will include class, race, gender, and politics. Topics will change from semester to semester given the every-changing nature of our society.

Prerequisite(s): RHM 235

**RHM321 Tourism & Hospitality Industry**

Hours 3

Comprehensive exploration of major concepts about tourism and analysis of the broad range of factors that influence the inter-linked industry composed of many sectors.

Prerequisite(s): RHM 175

**RHM322 Cruise Tourism**

Hours 3

Exploration & evaluation of the North American Cruise Industry to include vacation cruising, economics, life aboard for passengers and crew, analysis of marketing campaigns and internet resources.

Prerequisite(s): RHM 175

**RHM325 Lodging Operations & Management**

Hours 3

Systematic approach to front-office, housekeeping and maintenance procedures. Emphasis is on the fundamentals in each of these three critical areas and the understanding of the mission of each department, people in the department, how the department interacts and management of employees.

Prerequisite(s): RHM 175

**RHM335 Sport Tourism**

W

Hours 3

An in-depth look at the economic and social impact of Sport Tourism on destinations and exploration of sports travel's growth and future prospects. This is a writing course. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): RHM 175 or RHM 235

Writing

**RHM336 Collegiate Athletics**

Hours 3

This course highlights the foundation, skills, and issues associated with collegiate sports. The history, ethics, and governance in collegiate sports, recreational programs, and wellness education is also examined.

Prerequisite(s): RHM 175

**RHM337 Sport and Entertainment Venue Management**

Hours 3

This course will identify the management functions necessary in planning and executing sporting and entertainment events in sport/entertainment facilities. Financing, risk management, crowd control, food and beverage requirements, and emergency management will be reviewed.

Prerequisite(s): RHM 175 or RHM 235

**RHM338 Sport Marketing, Promotion, and Strategy**

Hours 3

This course investigates the philosophies and procedures of sport marketing as a tool for both promotion and sponsorship sales. Course discussions and projects will emphasize the areas of strategic marketing, the sport consumer, market research, marketing segmentation, corporate partnerships and activations, legal considerations, and the various paid media outlets.

Prerequisite(s): RHM 235

**RHM340 Sustainable Tourism**

Hours 3

This course is designed to provide an understanding of the concept of sustainable tourism development. The characteristics of environmentally, economically, and socio-culturally sustainable tourism and assess the possibilities and limitations for its implementation within a variety of destinations and product settings are discussed. Theory, practice, history, terminology and issues in sustainable tourism planning and management are examined in the context of sustainable livelihoods.

Prerequisite(s): RHM 175

**RHM341 Catering Management and Quantity Foods**

Hours 3

Catering Management and Quantity Foods is an examination of theory and techniques of professional catering and quantity food production and service.

Prerequisite(s): RHM 175 and RHM 241

**RHM356 Human Resources Management**

Hours 3

Explains how to meet the requirements of various labor laws, to include the Americans with Disabilities Act (ADA), as well as other employment and workplace laws. Explores strategies for attracting a wide range of applicants, minimizing turnover, and reducing productivity losses.

Prerequisite(s): RHM 175

**RHM370 Event Marketing**

W

Hours 3

Students learn how to market to the Event Target Audience; anticipate client needs; and understand the event business and its unique value position and differentiation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): RHM 175

Writing

**RHM375 Managing Catering Operations**

Hours 3

Theory and techniques of professional catering and event planning with hands-on activities involved with the planning, organizing, and implementation of special catered events. Student's hands-on experience will include Service, Production and Management roles.

Prerequisite(s): RHM 175 and (NHM 250 or NHM 253)

**RHM378 F&B for Hotels and Events**

Hours 3

Principles and methods of producing and serving quality food in restaurants, hotel venues and events.

Prerequisite(s): RHM 175

**RHM380 Corporate Events**

Hours 3

A comprehensive analysis of corporate events. Emphasis is on organizing, arranging, and operating corporate events and conventions. Corporate events include trade shows, product launches, training and development, incentive travel, and consumer shows.

Prerequisite(s): RHM 175 and RHM 185

**RHM385 Event Lead. Prog, Prob Solving**

Hours 4

Students gain knowledge, skills and experience in planning, executing, evaluating and problem solving with a variety of events on the UA campus. Students work with a minimum 10 hours per week with the University Union.

Prerequisite(s): RHM 175 and RHM 185

**RHM387 Hotel/Motel Security Management**

Hours 3

Exploration of security issues, concerns and practices affecting hospitality properties. Covers the physical security of the property asset protection, guest protection, security equipment, emergency management and procedures, and OSHA requirements.

Prerequisite(s): RHM 175

**RHM398 Sales in Sport & Entertainment Operations**

Hours 3

The course provides a basis for the principles and implications of sales and revenue generation in the sport and entertainment industry. Key areas including sales' role within a sport organization, pricing, consumer needs, consultant-based selling, prospecting, customer retention, and sponsorship sales.

Prerequisite(s): RHM 235

**RHM400 International Tourism**

Hours 3

This course examines factors such as demographics, economic and technological changes that impact tourism around the world. Future trends, geography and vulnerability of international tourism are discussed.

Prerequisite(s): RHM 175

**RHM404 Financial Issues in Sport**

Hours 3

This course is designed to provide students with an examination of financial analysis and budgeting techniques essential for tracking an organization's revenues and expenses.

Prerequisite(s): RHM 235

**RHM420 Hospitality Marketing**

W

Hours 3

Course presents basic knowledge and practices for developing strategic marketing plans for hotel/motel organizations. Includes property/product market and competition analysis; promotion and sales planning and internal and external sales and promotion techniques. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Juniors or Seniors ONLY.

Prerequisite(s): RHM 175

Writing

**RHM421 Hospitality Law**

Hours 3

Students gain an understanding of potential legal problems and how important legal considerations can affect the hospitality industry. Legal cases related to the hospitality industry are explored.

**RHM422 Ethical and Legal Issues in Sport Management**

Hours 3

This course covers the ethical standards of the sport industry and the issues of sport law. As the field of sport management has grown, so has the prevalence of lawsuits. The sport professional's role is discussed.

Prerequisite(s): RHM 235

**RHM425 Risk Management for Meetings & Events**

Hours 3

A study of risk, crisis, and liability issues that may arise in the planning and management of meetings and events. Writing proficiency is required for a passing grade in this course.

Prerequisite(s): RHM 175 or RHM 185

**RHM435 Sports Governance**

Hours 3

Leadership and governing practices for a variety of playing levels; from little league, collegiate sports, professional sports, and international federations will be examined.

Prerequisite(s): RHM 175 and RHM 336

**RHM436 Current Trends and Issues in Sport Management and Entertainment**

Hours 3

This course will introduce students to various current and future trends within the sport and entertainment hospitality industry. Additionally, students will examine the role these trends play in the management, operation, and future of sporting and entertainment events.

Prerequisite(s): RHM 235

**RHM437 Analytics in Sport Hospitality**

Hours 3

This course covers practical strategies to collect and analyze big data, disseminate results that will drive informed decision making, and optimize revenue in the sport hospitality industry.

Prerequisite(s): RHM 235, RHM 274, and MATH 110 or MATH 112

**RHM438 Hospitality, Sport, & Entertainment Research Methods**

W

Hours 3

An in-depth exploration of the importance of hospitality, sport, and entertainment industry research, the research process, and how research is used in the hospitality, sport, and entertainment industries. This is a writing course. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): RHM 235 and RHM 335

Writing

**RHM448 Bar And Beverage Management**

Hours 3

Discussion on strategies to profitably manage the bar and beverage department of the hospitality operation. Covers control systems, hiring and training, responsible alcohol service, and essential information on a wide range of beverage products. MUST BE AGE 21 OR OLDER.

Prerequisite(s): RHM 175 and NHM 250 or NHM 253.

**RHM450 Issues Hotel & Lodg. Mgmt.**

Hours 3

*No description available*

Prerequisite(s): RHM 175

**RHM465 Food And Beverage Controls**

Hours 3

Explores the complexities of controlling food, beverages, labor and sales income/cost control, as well as control systems, the basics of computers, and computer applications in planning and control functions.

Prerequisite(s): RHM 175

**RHM467 Sport Management Internship**

Hours 3

Work industry experience in a pre-approved position in the sport-industry. This work experience will advance students' expertise and allow them to gain insight within a sport organization. Instructor permission required.

Prerequisite(s): RHM 235

**RHM468 Practicum In Hospitality Mgt**

Hours 1

Student work experience in a hospitality operation. Students are expected to work 500 hours in a hospitality operation and position.

Prerequisite(s): Permission of advisor.

**RHM469 Internship Hospitality Managem**

Hours 1

A semester of work experience in an approved hospitality organization for a minimum of 600 hours. Students work full-time during the semester to gain insight into hospitality management responsibilities.

Prerequisite(s): RHM 175

**RHM470 Hospitality Industry Computer Systems**

Hours 3

Explores hospitality computer technology and the management of information systems. Discussion of applications for all functional areas, including reservations, rooms, food and beverage, sales and event management and accounting.

Prerequisite(s): RHM 175

**RHM474 Mangr Acct Hospitality Industr**

Hours 3

Students learn how to make effective managerial, business, and operational decisions based on a thorough understanding of financial statements; identify costs; develop realistic budgets; forecast; and plan cash flow.

Prerequisite(s): RHM 175

**RHM478 Mgt Service Food Bev Operation**

Hours 3

Explores requirements in planning for and managing different types of food and beverage operations.

**RHM479 Hotel Sales and Event Services**

Hours 3

An exploration of techniques used to increase a hospitality property's convention and meeting business through marketing and service. Students learn how to address meeting planners' needs and concerns confidentially, creatively and effectively.

Prerequisite(s): RHM 175 or RHM 185

**RHM480 Adv Meeting & Convention Mgt**

Hours 3

Reviews the interdependent functions of meetings and convention management. The student develops and executes a professional meeting.

Prerequisite(s): RHM 175 and RHM 185

**RHM488 Individual Seminar Projects**

Hours 3-12

Individual projects designed by students to implement concepts and strategies learned in executive seminars. Project plans must be approved by RHM faculty prior to implementation.

**RHM490 Directed Individual Study**

Hours 1-6

To register for RHM 490, students must receive Instructor Approval for override into class.

**RHM496 RHM Senior Capstone Seminar**

Hours 1

Discussion of current issues in the hotel, restaurant, and convention industries. Must be Senior level.

Prerequisite(s): RHM 175 or RHM 235

## College of Nursing Courses

**NUR102 Freshman Compass: Nursing***FCMP*

Hours 1

The purpose of this elective course is to introduce the student to the Capstone College of Nursing and to help the student develop an awareness of and appreciation for the nursing profession. Emphasis is placed on the advisement process, study skills, professional nursing organizations, an overview of the CCN curriculum, and opportunities in nursing. (Theory).

Freshman Compass

**NUR103 Freshman Compass: Nursing (Honors)***UH*

Hours 1

The purpose of this elective course is to introduce the student to the Capstone College of Nursing and to help the student develop an awareness of and appreciation for the nursing profession. Emphasis is placed on the advisement process, study skills, professional nursing organizations, an overview of the CCN curriculum, and opportunities in nursing. (Theory) This is the honors section and is designated for honors students only.

University Honors



**NUR302 Introduction to Women's Health Disparities**

Hours 3

The course serves as an introduction to women's health policy, in which trends and issues will be identified and discussed. The course is designed to enhance the learning and understanding of women's health issues in the United States. In this course, students will analyze the social, economic, political, behavioral, environmental, and spiritual components that influence women's health.

Prerequisite(s): Admission to the Upper Division of The Capstone College of Nursing

**NUR305 Human Pathophysiology**

Hours 4

The purpose of this course is to introduce students to fundamental pathophysiology of the human body. This course examines physiological change that results in disruptive adaptive responses throughout the lifespan. These disruptive responses are approached in a systematic manner. A combination of identified cellular concepts and a body systems approach is utilized to structure course content. Included are basic cellular processes in human pathology, pathology associated with the major body systems, and physiology associated with the aging process. (Theory).

Prerequisite(s): Admission to Nursing Upper Division

**NUR306 Introduction to Dosage Calculations**

Hours 1

The purpose of this course is to provide students with the opportunity to review basic math concepts and problems; examine the different systems of measurement and abbreviations; examine methods of dosage calculation required for safe administration of adult and pediatric medications; interpret drug orders; and solve calculations of different medication preparations. Through didactic instruction, case studies, and multimedia, students will develop and enhance their knowledge of medication calculations.

**NUR308 Conceptual Foundations Prof Nu**

W

Hours 3

Successful completion of this course is a prerequisite for semester II upper division courses. This course focuses on concepts and issues relevant to professional nursing practice. Content related to the values of professional nursing and issues affecting practice will be examined. Students are introduced to the CCN Vision, Mission and core Values. This course meets the University's core curriculum requirements for writing. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Admission to Nursing Upper Division

Writing

**NUR309 Nursing Informatics**

C

Hours 3

This required online course is limited to nursing majors who have previous computer experience. The course focuses on utilization of computers in health care education, practice, research and administration with emphasis on nursing applications. Particular emphasis is placed on HIPAA, social media and information security. Telehealth and the use of encryption software to protect patient information is also a focal point. The computer assignments provide experience with a clinical information system, Internet, PDAs, word processing, databases, spreadsheets, and graphics programs. This course requires the utilization of the following software: Microsoft Word, PowerPoint, and Excel. In addition, students will also have the opportunity to explore and utilize free online software. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): Foreign Language option or an additional lower division CS designated course such as CS 202 or CS 285 and NUR 305 and NUR 306 and NUR 308 and NUR 310.

Computer Science

**NUR310 Health Assessment for Professional Nursing Practice**

Hours 3

This course prepares the novice nursing student in the development of health assessment skills including the health history, physical, psychosocial, and spiritual aspects necessary for critical thinking in professional nursing practice. Adult physical assessment techniques will be developed through simulation and practice within a practice lab setting.

Prerequisite(s): Promotion to Upper Division of Nursing

**NUR313 Special Topics**

Hours 1-10

This course focuses on selected BSN topics under the sponsorship of a nursing faculty member with relevant expertise.

**NUR315 Fundamentals of Nursing I**

Hours 2

Integration of knowledge, theories and skills from the humanities, arts and sciences serves as the foundation for this introductory nursing course. Students will further build upon adult assessment skills necessary for critical thinking in professional nursing practice. Basic care techniques and psychomotor skills will be developed through practice in the clinical practice lab and simulation center. The nursing process will be presented as a framework for critical thinking, decision-making and nursing practice.

Prerequisite(s): NUR 305, NUR 308, NUR 310

**NUR316 Fundamentals of Nursing II**

Hours 5

Integration of knowledge, theories and skills from the humanities, arts and sciences serves as the foundation for this clinical course. Students will continue to refine adult assessment skills necessary for critical thinking in professional nursing practice. Clinical skills related to nursing practice will be developed through practice in the clinical practice lab, simulation, and with clients on the clinical unit. The nursing process will be presented as a framework for critical thinking, decision-making and nursing practice. Levels of prevention will be introduced as a model for health care.

Prerequisite(s): NUR 305, NUR 308, NUR 310, NUR 315

**NUR317 Indep Study In Nursing**

Hours 1-10

This course focuses on individual independent study of a selected topic under the sponsorship of a nursing faculty member with relevant expertise. Prior approval of proposal by faculty sponsor and associate dean required. Elective.

**NUR319 Nrsng Informatics for RNs**

C

Hours 3

This required online course is limited to nursing majors who have previous computer experience. The course focuses on utilization of computers in health care education, practice, research and administration with emphasis on nursing applications. The computer assignments provide experience with a clinical information system, Internet, PDAs, word processing, databases, spreadsheets, and graphics programs. This course requires the utilization of the current software including but not limited to: Free healthcare mobile device applications, Microsoft Word, PowerPoint, and Excel. In addition, students will also explore and utilize free online presentation software. Computing proficiency is required for a passing grade in this course.

Computer Science

**NUR324 Fundamentals for Professional Nursing Practice**

Hours 7

Integration of knowledge, theories and skills from the humanities, arts and sciences serves as the foundation for this introductory clinical course. Students will further build upon adult assessment skills necessary for critical thinking in professional nursing practice. Clinical skills related to communication and basic care techniques will be developed through simulation and practice with clients on the clinical unit. The nursing process will be presented as a framework for critical thinking, decision-making and nursing practice. Levels of prevention will be introduced as a model for health care.

Prerequisite(s): NUR 305 and NUR 306 and NUR 308 and NUR 310

**NUR326 Pharmacology Nursing Practice**

Hours 3

The purpose of this required course is to introduce the student to the role of pharmaceutical agents in assisting patients with health problems throughout the lifespan. A brief history and a discussion of the legal controls that regulate the field of pharmacology are included. Drug prototypes are utilized to examine the major classifications of drugs. Use of a handheld electronic device and accompanying software facilitates discussion of major drug classification with regard to pharmacokinetics, therapeutic uses, adverse reactions, precautions, and contraindications. Special considerations of diverse cultural backgrounds, ethnic factors, access to financial resources, lifespan issues, and genetic variations impacting drug therapy are included. Health teaching and nursing implications for drug classifications are discussed.

Prerequisite(s): NUR 305 and NUR 306 and NUR 308 and NUR 310

**NUR328 Inq for Evi-Based Prac in Nurs**

W

Hours 3

This required course introduces nursing students to the basics of the research process and research methodology in a manner to allow the reading and understanding of research articles. Emphasis is placed on nursing research in a context of identification of practice issues, levels of evidence, identification and synthesis of evidence, translation into practice, participation in quality improvement, and evaluation of outcomes. This required course meets the university's core curriculum requirements for writing. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): [(NUR 315 AND NUR 316) OR NUR 324] AND NUR 326 AND NUR 309

Writing

**NUR329 Inq. Evidence Based Pract RNS**

W

Hours 3

This required course introduces nursing students to the basics of the research process and research methodology in a manner to allow the reading and understanding of research articles. Emphasis is placed on nursing research in a context of identification of practice issues, levels of evidence, identification and synthesis of evidence, translation into practice, participation in quality improvement, and evaluation of outcomes. This required course meets the university's core curriculum requirements for writing. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): NUR 319 and NUR 348, or with departmental approval

Writing

**NUR330 Honors Inquiry for Evidence-Based Practice in Nursing***UH, W*

Hours 3

This required course introduces nursing students to the basics of the research process and research methodology in a manner to allow the reading and understanding of research articles. Emphasis is placed on nursing research in a context of identification of practice issues, levels of evidence, identification and synthesis of evidence, translation into practice, participation in quality improvement, and evaluation of outcomes. This required course meets the university's core curriculum requirements for writing. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): NUR 324 and NUR 326

University Honors, Writing

**NUR332 Nursing Student Academic Success**

Hours 1

The purpose of this course is to provide first semester upper division nursing students with an introduction to the nature of nursing education and to the function, resources, and activities of Capstone College of Nursing and The University of Alabama. The course will provide students with information about themselves as learners, a theoretical and practical understanding of nursing-specific learning strategies, and opportunities to apply these strategies—using processes of reflective decision-making and critical evaluation—for maximizing learning, academic success, and personal fulfillment. The course will explore topics for success, including: developing a better understanding of the learning process, acquiring basic academic survival skills, and ensuring maintenance of students' physical and mental health and well-being. The ultimate goal of the course is to equip each student with the confidence and basic skills necessary for successful completion of the baccalaureate nursing degree program.

Prerequisite(s): Promotion to upper division nursing.

**NUR333 Inquiry into the Cuban Healthcare System**

Hours 3

The purpose of this foreign travel experience course is to provide students with firsthand knowledge of the healthcare system in Cuba. Students will visit facilities and community organizations that support the health of individuals and communities. In addition, students will have the opportunity to visit key points of historic interest to further their understanding and develop an increased cultural awareness of Cuban life.

**NUR345 Perioperative Nursing**

Hours 3

This elective course is designed to give students an opportunity to participate in multiple nursing roles in the perioperative environment. These activities are planned to enrich the student's knowledge and provide application of concepts relevant to operative and anesthesia standards of care.

Prerequisite(s): NUR 324

**NUR348 Role Tran in Baccalaureate Nur***W*

Hours 4

This online theory course designed for registered nurse students is structured to provide the foundation for continuing development of the students' body of conceptual and practical knowledge essential for enacting the professional nursing roles. This required course meets the University's Core Curriculum requirements for writing. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. (Theory).

Prerequisite(s) with concurrency: NUR 319

Writing

**NUR352 Pharmacology: Review of Current Practices**

Hours 1

The purpose of this elective course is to provide students with an opportunity to review and develop their pharmacological knowledge through practical application. The course is designed to cover general principles of medication administration as well as how medications influence body systems and physiological processes. Through didactic instruction, case studies, and interactive learning activities students will enhance their knowledge of pharmacological and parenteral therapies.

Prerequisite(s): NUR 326

**NUR355 Minds and Mentors Paraprofessional Training Program**

Hours 3

Integration of knowledge, theories and skills to work as a behavioral health paraprofessional to support the needs of individuals with substance use problems and their families. Students will further build upon their personal experiences with substance use problems to develop competencies to successfully work with communities and other stakeholders.

**NUR360 Honors Research Seminar/Practicum I***UH*

Hours 2

This is the second course in a three-semester series that emphasizes the role of research in nursing and health care. In this course students will refine and implement the research protocol developed in NUR 328 or UA 156. Working closely with their faculty mentor, students will 1) obtain IRB approval (if required and not completed in the first semester); 2) collect and analyze data, and 3) compile an abstract of their project. Students will receive hands on experience with management of data and data analysis techniques. Avenues of research dissemination will be discussed. Students will discuss the theoretical underpinnings of practice and research and methods to critically appraise clinical practice guidelines.

Prerequisite(s): NUR 328 (or NUR 330), UA 155 (or UA 156)

University Honors

**NUR370 Rural Nursing**

Hours 1

This elective course introduces nursing students to the basics of rural nursing. Emphasis is placed on health issues specific to local, national and global rural communities and the importance of evidence-based practice strategies in resolving rural health disparities.

**NUR371 Rural Nursing Honors**

UH

Hours 1

This elective course introduces nursing students to the basics of rural nursing. Emphasis is placed on health issues specific to local, national and global rural communities and the importance of evidence-based practice strategies in resolving rural health disparities.

University Honors

**NUR372 Prof Nursing Practice-Adults**

Hours 8

This required course focuses on actions designed to detect and intervene in actual or potential health problems in adults and to determine actions that will ameliorate or reduce the consequences of adult disease through support or rehabilitation. Clinical experiences are designed to develop skills for early detection, diagnosis, and treatment of acute and chronic health problems in adults and prevention of further disability. (Theory and laboratory).

Prerequisite(s): [(NUR 315 AND NUR 316) OR NUR 324] AND NUR 326 AND NUR 309

**NUR374 Prof Nurs Pract Mental Health**

Hours 4

This required course focuses on theory, concepts, and management functions essential to professional nursing. Essential skills are therapeutic communication in mental health, identification of practice issues, interprofessional collaboration, evaluation of outcomes, and the application of evidence-based practice models. Actions will be taken to participate in quality improvement by ameliorating or reducing the consequences of mental health problems. These essential skills are designed to provide quality care while improving the mental health of persons and preventing further disability. (Theory and Laboratory).

Prerequisite(s): [(NUR 315 AND NUR 316) OR NUR 324] AND NUR 326 AND NUR 309

**NUR418 Prof Nurs Pract Childbear Fami**

Hours 4

This required course focuses on the role of the nurse in providing holistic, patient-centered care to the childbearing family. The student will be given simple to complex situations in classroom, clinical and technological-based experiences, emphasizing evidence-based practice and quality improvement as members of an interdisciplinary team. A major focus will be the implementation of nursing care to childbearing families who are experiencing a normal maturational process as well as related acute/chronic health problems. (Theory and laboratory).

Prerequisite(s): (NUR 328 or NUR 330) and NUR 372 and NUR 374

**NUR419 Professional Nursing Practice Complex Client**

Hours 5

This synthesis course provides opportunities for the student to examine complex, acute and chronic health problems. Students will apply concepts from prerequisite and concurrent courses and use clinical reasoning thinking and decision-making skills to evaluate interventions to ameliorate or reduce health problems. Clinical activities will focus on nursing actions used to intervene in care of complex clients. The first portion of this course serves as a bridge from adult health and mental health nursing concepts into a holistic approach to caring for clients with complex and critical health problems.

Prerequisite(s): (NUR 328 OR NUR 330), NUR 372, NUR 374

**NUR420 Prof Nursing Practice-Children**

Hours 4

This course focuses on actions designed to detect and intervene in actual or potential health problems in children and to determine actions that will ameliorate or reduce the consequences of disease in children through support or rehabilitation. Students will develop skills in early detection and diagnosis of disease in children and treatment of acute and chronic health problems. (Theory and Laboratory).

Prerequisite(s): NUR 328 or NUR 330, and NUR 372 and NUR 374

**NUR422 Prof Nursing Pract Comm Health**

Hours 4

Community Health Nursing is a required course that focuses on the knowledge and skill competencies required for community/public health nursing practice. Educational and clinical experiences are community-based, community oriented and population focused. Health promotion, risk reduction and management, and disease prevention for individuals, families, and populations in community settings are emphasized. The course also emphasizes knowledge and practice of illness and disease management in non-institutional environments. (Theory and laboratory).

Prerequisite(s): NUR 418 and NUR 419 and NUR 420

**NUR423 Transition to Professional Nursing Practice**

Hours 1

This course will pull together challenging concepts to better prepare the BSN graduate to transition into professional nursing practice. It will focus on team assessment, priorities and characteristics of a leader, time management, empowerment, change, personal growth, relationship management, and problem solving.

Prerequisite(s): NUR 418, NUR 419, NUR 420

**NUR431 Advanced Cardiac Life Support**

Hours 1

The purpose of this elective course is to provide students with an opportunity to participate in an American Heart Association approved ACLS provider course. The course is designed for healthcare providers who either direct or participate in the management of acute cardiopulmonary arrest or other cardiovascular emergencies. Through didactic instruction and interactive participation in simulated case studies, students will be able to enhance their skills in the recognition and intervention of cardiopulmonary arrest, immediate post-cardiac arrest, acute arrhythmia, stroke, and acute coronary syndromes (ACS).

Prerequisite(s): NUR 419

**NUR449 Community Health For RNs**

Hours 5

Community Health Nursing is a required course taught online that focuses on the knowledge and skill competencies required for community/public health nursing practice. Educational and experiential learning experiences are community-based, community-oriented, and population-focused. Health promotion, risk reduction and management, and disease prevention for individuals, families, and populations in community settings are emphasized. The course also emphasizes the knowledge and practice of illness and disease management in non-institutional environments. (Theory and Experiential Learning Experiences).

Prerequisite(s): NUR 319 and NUR 348, or with departmental approval

**NUR455 Leadership & Management Roles**

Hours 5

This online course focuses on leadership theory and management functions essential to professional nursing. The application of leadership and management principles through completion of a leadership project comprises the experiential learning experience for the course. Synthesis of concepts basic to organizational and systems leadership, including quality improvement, nurse-sensitive indicators, and patient safety, are explored. (Theory and Experiential Learning Experiences).

Prerequisite(s): NUR 319; and NUR 348; and NUR 329; and NUR 449 or with departmental approval

**NUR460 Honors Research Seminar/Practicum II***UH*

Hours 2

This is the third course in a three-semester series that emphasizes the role of research in nursing and health care. In this third and last course, students will complete their research projects under supervision of their faculty mentor and course instructor. Final data collection and data analysis will be performed if not previously accomplished. Major foci for this course are interpretation and dissemination of study findings. Class discussions will address such issues as how to create a research poster, presenting a clear and concise podium research presentation, and writing for publication. Students will write a manuscript for consideration in peer-reviewed journal or other publications.

Prerequisite(s): NUR 360

University Honors

**NUR465 Complex Client Sys RNs**

Hours 5

This online synthesis course provides opportunities for the registered nurse student to examine complex acute and chronic health problems. Students will apply concepts from prerequisite and concurrent courses and use clinical reasoning and decision-making skills to evaluate interventions to ameliorate or reduce health problems. Activities will focus on nursing actions used to intervene in the care of complex clients. Experiential Learning experiences are embedded to validate physical assessment and clinical reasoning using avatars in the virtual simulation environment. (Theory and Experiential Learning Experiences).

Prerequisite(s): NUR 319; and NUR 348; and NUR 329; and NUR 449 or departmental approval

**NUR473 Professional Nursing Practice: Leadership**

Hours 6

This required course focuses on leadership theory and management functions essential to professional nursing. Essential skills are communication, interprofessional collaboration, negotiation, delegation, coordination, evaluation of interdisciplinary work, and the application of evidence-based practice models. Clinical experiences focus on enactment of the professional nurse role in a concentrated practicum. Leadership and management principles and clinical judgment skills are applied as students enhance direct care delivery skills, critical thinking and decision-making. (Theory and laboratory).

Prerequisite(s): NUR 418, NUR 419, NUR 420

**NUR474 Professional Nursing Practice: Leadership-Honors***UH*

Hours 6

This required course focuses on leadership theory and management functions essential to professional nursing. Essential skills are communication, interprofessional collaboration, negotiation, delegation, coordination, evaluation of interdisciplinary work, and the application of evidence-based practice models. Clinical experiences focus on enactment of the professional nurse role in a concentrated practicum. Leadership and management principles and clinical judgment skills are applied as students enhance direct care delivery skills, critical thinking, and decision-making. The honors component of this course requires negotiation with faculty, and approval of the Honors College, to determine the criteria for any honors credit in addition to other course requirements. Examples might include a scholarly paper on a chosen topic, data collection and graphic reports on the leadership project topic, and/or a leadership/management problem analysis on the clinical unit. (Theory and laboratory).

Prerequisite(s): NUR 418, NUR 419, NUR 420

University Honors

**NUR475 Preparation For Licensure**

Hours 1

This synthesis course provides opportunities for students to assess individual knowledge acquisition and to implement strategies to ameliorate deficiencies and maximize learning with faculty assistance. Students will have the opportunity to use individual, group, and technology-based methods to facilitate critical thinking and problem solving using hypothetical client situations. Students also will complete the licensure application process. (Theory).

Prerequisite(s): NUR 418 and NUR 419 and NUR 420

## College of Social Work Courses

### SW100 Introduction to the Fields of Social Work Practice

Hours 3

An overview of the many and varied roles in which social workers function in today's society. Reviews the historical development of the profession, its various fields of practice, the profession's code of ethics, and covers current national and local issues. Fifteen hours of volunteer work outside of class are required. Required course for social work majors and social welfare minors; open to all University students, but freshmen and sophomores preferred. Offered in the fall and spring semesters.

Prerequisite(s): None. This is an introductory course open to all University students. It is a required course for social work majors and social welfare minors.

### SW101 Orientation to Social Work

Hours 3

The purpose of this course, which is required for social work majors, is to orient social work majors to the School of Social Work (SSW), professional writing standards, and other basic professional skills. Students will learn about establishing an educational plan, professional etiquette, career preparation, self-care, steps in applying for admission to the professional program, campus resources, basic skills in professional writing, and basic knowledge and skills relevant to professional social work practice, including licensure, professional etiquette, and self-care.

### SW105 Honors Introduction to the Fields of Social Work Practice

*UH*

Hours 3

Social Work 105 is an introductory course that presents a comprehensive overview of the profession of social work and social workers' roles in contemporary society. This course is designed for students seeking advanced professional orientation and development in social work. This honors course is designed to provide a critical examination of the profession's values and Code of Ethics and the major fields of social work practice. Students examine the professions's response to populations-at-risk, including people of color, women, older adults, children and adolescents, gays and lesbians, and low income populations. Each student completes a 30 clock hour service learning assignment in a social service agency. The course provides a broad base of information for further social work education and helps students decide if social work is an appropriate career for them to pursue.

Prerequisite(s): None. This is an introductory course open to all University Honors Program students. This course will fulfill the Introduction to the Fields of Social Work Practice requirement for social work majors and for social welfare minors.

University Honors

### SW200 History of Social Welfare in the United States

*HI*

Hours 3

This course provides students with an opportunity to explore and critically evaluate the historical development and change of a broad range of social welfare policies, programs, and services in the United States and the philosophical bases for the provision of various social welfare services to persons throughout the life course. Social welfare policies, programs, and services in the United States have developed, changed, and evolved dramatically throughout history, so this course explores this development and change over a major period of time, from the colonial period to today. Major consideration is given to the development of social welfare programs and services within a social, cultural, political, and economic context, with particular attention to influential social values in the United States; and, as such, students will be expected to utilize critical thinking skills, as they analyze and evaluate major issues affecting the provision of social welfare programs and services to vulnerable and oppressed population, synthesizing primary and secondary source documents to argue a point clearly. Social welfare and social work, historically, are intrinsically linked so the development of social work and its connection to a variety of social welfare programs and institutions will be discussed; however, the focus of this course is historically broad and does not delve into intricacies of social work or professional skills.

History

### SW205 Honors History of Social Welfare in the United States

*HI, UH*

Hours 3

SW 205 is open to all students in the honors college at the university and provides students with an opportunity to explore and critically evaluate the historical development and change of a broad range of social welfare policies, programs, and services in the United States and the philosophical bases for the provision of various social welfare services to persons throughout the life course. Social welfare policies, programs, and services in the United States have developed, changed, and evolved dramatically throughout history, so this course explores this development and change over a major period of time, from the colonial period to today. Major consideration is given to the development of social welfare programs and services within a social, cultural, political, and economic context, with particular attention to influential social values in the United States; and, as such, students will utilize critical thinking skills, as they analyze and evaluate major issues affecting provision of social welfare programs and services to vulnerable and oppressed populations, synthesizing primary and secondary source documents to argue a point clearly. Social welfare and social work, historically, are intrinsically linked so the development of social work and its connection to a variety of social welfare programs and institutions will be discussed; however, the focus of this course is historically broad and does not delve into intricacies of social work or professional skills.

History, University Honors

**SW206 Growing Old In America**

Hours 3

This course provides students with knowledge of the field of aging with a primary focus on social gerontology. An overview is provided of the characteristics of the elderly and the biological, physiological, psychological, and social aspects of aging. Emphasis is placed on selected issues confronting the general elderly population.

Prerequisite(s): At least sophomore standing

**SW208 Juvenile Delinquency: Causes, Control, and Services**

Hours 3

Examination of the nature and extent of delinquency. Theories of causation and the structure and function of courts are explored. Emphasis placed on prevention, control, and interventions with juvenile offenders and their families.

**SW210 Family & Child Welfare**

Hours 3

Examines the current situation in services for children and families. Gives an overview of services designed to strengthen families, as well as those that provide substitute care of children when the family is unable to meet this responsibility.

**SW212 Death Dying Bereavement**

SB

Hours 3

Analysis of a variety of issues and problems presented by death, dying, and grief in American culture, with some comparison to other cultures. Examines attitudes and responses to death and the perspectives of children and adults.

Social and Behavioral Sciences

**SW300 Special Topics**

Hours 3

This course provides a thorough examination of an important topic in social work. The area under examination varies from semester to semester.

Prerequisite(s): Sophomore-, junior-, or senior-standing. Social Work major or minor or permission of the instructor. May be repeated for a total of 6 hours with permission of the BSW program chair.

**SW310 Professional Writing Seminar**

Hours 3

Clear and effective communication skills are necessary for social service delivery. This course assists students with acquiring and improving professional writing skills. Students in this class will practice writing skills necessary for serving clients in a variety of practice settings. These skills include drafting client-centered case documentation, writing goals and objectives, using technology to find evidence that informs service delivery, and advocating for clients in writing.

**SW320 Volunteerism in Human Services Systems**

Hours 3

The nature and development of volunteerism in human services in the United States plus current trends in the use of volunteers is discussed. Each student is assigned to a human service agency in order to experience the role of being a volunteer.

**SW351 Oppression & Social Injustice**

W

Hours 3

This course examines issues related to the oppression of people on the basis of their gender, ethnicity, race, culture, sexual orientation, physical or mental ability, age, religion, and national origin. It is designed to introduce the student to a range of issues of oppression and social and economic injustice pertinent to the field of social welfare and to the profession of social work. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

**SW355 Honors Oppression & Social Injustice**

UH, W

Hours 3

SW 355 is open to all students in the Honors College at the University. This course will meet the Oppression and Social Injustice requirement for all social work majors. This course critically examines issues related to the oppression of people on the basis of their gender, ethnicity, race, culture, sexual orientation, physical or mental ability, age, religion, and national origin. It is designed to introduce the student to a range of issues of oppression and social and economic injustice pertinent to the field of social welfare and to the profession of social work. Students will also be introduced to various theoretical approaches to oppression and injustice. Specific emphasis is placed on critical and reflective thinking, and an exploration of the mechanisms of privilege and disadvantage embedded in racism, sexism, classism and other forms of systemic oppression. This course has the University Core Curriculum 'W' designation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): At least sophomore standing or permission of the instructor. This is course open to University Honors Program students. This course will fulfill the Oppression and Social Injustice requirement for social work majors and for social welfare minors.

University Honors, Writing

**SW401 Social Welfare Policy & Services**

W

Hours 3

This course enables students to develop beginning skill in the analysis of social welfare policies and programs. The course builds on the basic knowledge of the history and philosophy of social welfare programs students have acquired in the prerequisite course, SW 200 or SW 205. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): SW 200 or SW 205 with a grade of "C-" or better. Admission to the professional program in social work, or declaration of a minor in social welfare, or permission of the instructor

Writing

**SW405 Honors Social Welfare Policy and Services***UH, W*

Hours 3

This course is designed to enable the student to develop skill in the analysis of social welfare policies and programs. The course builds on the basic knowledge of the history and philosophy of social welfare programs students have acquired in the prerequisite course, SW 205. In this course, special attention is given to evidence regarding the effects of policies on persons subject to economic deprivation, discrimination, and oppression. Current policies and policy issues in Alabama and the southeast are emphasized, with a focus on social work values and human diversity. This course has the University Core Curriculum "W" designation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): Completion of SW 200 or SW 205 with a grade of "C-" or better. Admission to the Honors College and the professional program in Social Work, or Admission to the Honors College and declaration of a minor in Social Welfare, or permission of the instructor.

University Honors, Writing

**SW410 Human Behavior and the Social Environment I**

Hours 3

This is the first course in a two-semester sequence that uses a life course perspective as a framework for preparing students with knowledge of theories that support beginning-level generalist practice. It explores the reciprocal relationship between human behavior and social environments. This first course focuses on the development of the individual from conception through adolescence.

Prerequisite(s): Admission to BSW program and completion of BSC 108 or BSC 109, or BSC 114/BSC 115, or BSC 116/BSC 117, PY 101 or PY 105, SOC 101, SW 100 or SW 105, SW 200 or SW 205, SW 351 or SW 355, or minor in social welfare with successful completion of SW 100 or SW 105, and SW 200 or SW 205, SW 351 or SW 355.

**SW411 Human Behavior and the Social Environment II**

Hours 3

A continuation of SW 410.

Prerequisite(s): SW 410 with a C- or better.

**SW414 Chemical Dependency**

Hours 3

Drug and alcohol use and abuse are deeply interwoven into the psychosocial and economic fabric of American society. This course will introduce the student to major theories of addiction as well as the physiological and psychological results of substance abuse. State and federal policies regarding control of drugs, alcohol, and tobacco will also be discussed. The effects of chemical dependency on special populations, including ethnic minorities, people of color, gays and lesbians, dually diagnosed, the elderly, and women will be reviewed.

Prerequisite(s): A student must be either junior or senior-level in good standing with the University. Permission of the instructor is necessary for any other student.

**SW415 Psychopathology**

Hours 3

This course presents information concerning criteria used in assessing mental disorders from infancy through older adulthood. It also provides information about the prevalence and etiology of psychiatric disorders. The impact of mental disorders on clients, their families, and communities is discussed; and students are provided with a brief overview of intervention including the use of psychopharmacology. The course also provides students tools by which they learn to recognize the risk of error within the assessment process, and learn to recognize the potential for bias that can result when assessment tools are inaccurately applied across cultural, ethnic, racial, and other groups.

Prerequisite(s): PY 101 or PY 105 with a grade of a C- or better.

**SW419 International Social Work**

Hours 3

For students interested in international issues of social welfare and social justice, the course introduces international social work. The course is open to Social Work students as well students from other disciplines. The purpose of this class is to expose students to a wide range of internationally focused issues regarding human well-being and human rights along with contemporary debate on those issues. In this class, students will gain a deeper understanding of international social work and social development issues including global health development, governmental and non-governmental development agencies, role of social work in development, environmental politics, empowerment versus handout, along with resource sharing issues associated with poverty, world hunger, land use, and costs of globalization.

Prerequisite(s): Sophomore-, junior-, or senior-standing

**SW420 Research for Social Work Practice**

Hours 3

Basic research methods for the generalist social worker. Focuses on the role of research in building knowledge, critical assessment of research reports, use of research techniques, and application of research findings to generalist social work practice.

Prerequisite(s): Admission into the BSW professional program; completion with a C- or better of SW 101, SW 100 or SW 105, SW 200 or SW 205, SW 351 or SW 355, SW 310 or exemption for earning a B- or higher on the writing exam; completion of one of the following statistics courses with a "C-" or higher: BER 345, CJ 381, PY 211, SOC 301, ST 250, or ST 260

**SW425 Research for Social Work Practice Honors***UH*

Hours 3

Basic research methods for the generalist social worker. This honors class focuses on the role of research in building knowledge, critical assessment of research reports, use of research techniques, and application of research findings to generalist social work practice.

Prerequisite(s): Admission to the Honors College and the Professional Program in Social Work or Admission to the Honors College and declaration of a Social Welfare Minor or Permission of the BSW Program Chair or the Assistant Dean for Educational Programs and Student Services in the School of Social Work. Completion of the statistics requirement with a "C-" or better: BER 345, CJ 381, PY 211, SOC 301, or ST 260.

University Honors



**SW440 Social Work Practice with Individuals and Families**

W

Hours 1-3

Social Work 440 is the first in a sequence of four practice courses required for the BSW degree. The sequence is designed to prepare students for generalist practice. The course focuses on practice with individuals and families. The course emphasizes professional relationships that are characterized by mutuality, collaboration and respect for clients. The course addresses development of self-awareness, identification of personal values, and the potential for ethical dilemmas resulting from conflicting values. The content is intended to develop the knowledge and skills needed to enable individuals and families to reach their potential through a problem-solving approach. Issues of aging, poverty, sexism, racism, and heterosexism are addressed in each unit of study. This course has the University Core Curriculum 'W' designation. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. Online sections of this course require concurrent enrollment in SW 440 skills lab.

Prerequisite(s): Admission to BSW Professional Program, Completion with a C- or better of SW 101, SW 100 or SW 105, SW 200 or SW 205, SW 351 or SW 355, SW 310 or exemption for earning a B- or higher on the writing exam.

Writing

**SW441 Social Work Practice with Groups**

Hours 1-3

This is a required course in the practice area of the undergraduate social work program. It is designed to provide fundamental knowledge of and skills for generalist social work practice with groups. It is consistent with generalist practice in its use of a problem-solving approach. The generalist social worker must have the ability to assess problems, plan and implement appropriate multi-method intervention with client systems of various sizes and types. The course gives attention to the range of group affiliations, life events and life transitions and their potential impact on various sized systems. It emphasizes the values and ethics of the social work profession, including respect for the positive value of diversity. The knowledge and skills gained in the course should enable the student to be an effective member and leader of groups. Online sections of this course require concurrent enrollment in SW 441 skills lab.

Prerequisite(s): Admission to BSW Professional Program, Completion with a C- or better of SW 101, SW 100 or SW 105, SW 200 or SW 205, SW 351 or SW 355, SW 310 or exemption for earning a B- or higher on the writing exam, SW 410, SW 440.

**SW442 SW Practice with Communities and Organizations**

Hours 1-3

This course is one of three required social work practice courses offered in the professional foundation year of the BSW program. It is designed to help students understand generalist social work practice in and with communities and organizations. SW 442 introduces students to selected macro practice models that emphasize client strengths, empowerment, and resident-driven approaches to engagement, assessment and intervention at the community and organizational levels. The practice models selected for this course explicitly address poverty, inequality and social injustice, give attention to an appreciation of human diversity, and respect for the dignity and worth of the individual. Online sections of this course require concurrent enrollment in SW 442 skills lab.

Prerequisite(s): Admission to BSW Professional Program, Completion with a C- or better of SW 101, SW 100 or SW 105, SW 200 or SW 205, SW 351 or SW 355, SW 310 or exemption for earning a B- or higher on the writing exam, SW 410, SW 440.

**SW443 Seminar in Generalist Practice**

Hours 1-3

Required course designed to accompany field placement. Seeks to assist students in integrating foundation content with field experience, with emphasis on generalist practice. Offered only in the fall semester.

Prerequisite(s): Admission to BSW Professional Program and completion with a C- or better of SW 100 or SW 105, SW 101, SW 200 or SW 205, SW 351 or SW 355, SW 310 or exemption for earning a B- or higher on the writing exam), SW 401 or 405, SW 410, SW 411, SW 440, SW 441, SW 442 and SW 444.

Prerequisite(s) with concurrency: SW 490, SW 420, SW 425

**SW444 Field Preparation Seminar**

Hours 1

This course is designed to prepare social work students for the integrated and experiential learning of a social work field placement. As the profession's signature pedagogy, field education socializes students to perform the role of practitioner making the connection between the theoretical and conceptual classroom content and the practice setting. The approach to making this connection requires taking classroom knowledge, skills, and values and applying these concepts through a process of reflection and analysis. This course focuses on the salient concepts and issues that commonly pose challenges in the field setting. This is a required course and must be completed before SW 443 or SW 445 and SW 490. Successful completion of this course requires a grade of C- or higher.

Prerequisite(s): Admission to the Professional Program

Prerequisite(s) with concurrency: SW 410 and SW 440

**SW445 Social Work Honors Seminar**

UH

Hours 3

This seminar provides structured learning opportunities that enable students to complete their Capstone Honors Project. Students will apply in-depth knowledge of generalist social work practice to projects that emphasize values consistent with the social work profession. Although the projects will vary in scope, the expected results will be improvement in the bio-psycho-social functioning in individuals, families, groups, organizations, or communities. While students will be evaluated individually, it is expected that students will have opportunities to work in teams and groups to accomplish the specific goals of the projects while enrolled in SW 445.

Prerequisite(s): Admission to BSW Professional Program and completion with a C- or better of SW 100 or SW 105, SW 101, SW 200 or SW 205, SW 351 or SW 355, SW 310 or exemption for earning a B- or higher on the writing exam), SW 401 or 405, SW 410, SW 411, SW 440, SW 441, SW 442 and SW 444.

Prerequisite(s) with concurrency: SW 420 or SW 425, SW 490

University Honors

**SW457 Special Topics**

Hours 1-6

Junior standing Special topics.

**SW490 Field Education**

Hours 9

Planned field experience in which the student is placed in a community service agency for a minimum of 32 hours a week, working under the joint instruction of the agency and the School of Social Work. For senior social work majors only. Offered in the fall semester only.

Prerequisite(s): Admission to BSW Professional Program and completion with a C- or better: SW 100 or SW 105, SW 101, SW 200 or SW 205, SW 351 or SW 355, SW 401 or SW 405, SW 410, SW 411, SW 440, SW 441, SW 442, and SW 444

Prerequisite(s) with concurrency: SW 443 or SW 445 and SW 420 or SW 425

**SW498 Independent Study**

Hours 1-6

An opportunity for individual students or groups of students to assume liberal responsibility for developing their own learning objectives in conjunction with a faculty member who has expertise in the area, and for pursuing these objectives in relation to a social welfare program or function. By permission of the instructor, program chair, and associate dean. Permission must be obtained during the preceding semester.

**AFS101 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for first-year AFROTC cadets.

**AFS102 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for first-year AFROTC students/cadets.

**AFS110 Heritage and Values**

Hours 1

'Heritage and Values' provides an introduction to the Air and Space Forces, allowing students to examine general aspects of the Department of the Air Force, leadership fundamentals, service benefits, and opportunities for officers. The course also lays the foundation for becoming an Air or Space professional by outlining heritage and values. This course provides a historical perspective on airpower providing students with a knowledge-level understanding for the employment of air and space power, from an institutional, doctrinal, and historical perspective. Students will be introduced to the Air Force way of life and gain knowledge on what it means to be an Air or Space professional. AFS 101 Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

**AFS120 Heritage and Values**

Hours 1

'Heritage and Values' provides an introduction to the Air and Space Forces, allowing students to examine general aspects of the Department of the Air Force, leadership fundamentals, service benefits, and opportunities for officers. The course also lays the foundation for becoming an Air or Space professional by outlining heritage and values. This course provides a historical perspective on airpower providing students with a knowledge-level understanding for the employment of air and space power, from an institutional, doctrinal, and historical perspective. Students will be introduced to the Air Force way of life and gain knowledge on what it means to be an Air or Space professional. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

**AFS201 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for second-year AFROTC students/cadets.

**AFS202 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for second-year AFROTC students/cadets.

**AFS230 Evolutn Of Us Air Power**

Hours 1

A course designed to examine general aspects of air power from a historical perspective. The course covers the period from the first balloons and dirigibles to the space-age systems of the Global War on Terror. Historical examples are provided to show the development of Air Force core functions to demonstrate the evolution of what has become today's USAF. Furthermore, the course examines several fundamental truths associated with war in the third dimension, e.g., principles of war and tenets of air power. As a whole, this course provides the students with a knowledge-level understanding for the general employment of air power, from an institutional, doctrinal, and historical perspective. In addition, what the students learned about the Air Force Core Values in AS100 will be reinforced through the use of operational examples, and they will complete several writing and briefing assignments to meet Air Force communication skills requirements. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

**AFS240 Evolutn Of Us Air Power**

Hours 1

A course designed to examine general aspects of air power from a historical perspective. The course covers the period from the first balloons and dirigibles to the space-age systems of the Global War on Terror. Historical examples are provided to show the development of Air Force core functions to demonstrate the evolution of what has become today's USAF. Furthermore, the course examines several fundamental truths associated with war in the third dimension, e.g., principles of war and tenets of air power. As a whole, this course provides the students with a knowledge-level understanding for the general employment of air power, from an institutional, doctrinal, and historical perspective. In addition, what the students learned about the Air Force Core Values in AS100 will be reinforced through the use of operational examples, and they will complete several writing and briefing assignments to meet Air Force communication skills requirements. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

Prerequisite(s) with concurrency:

**AFS301 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for third-year AFROTC cadets.

**AFS302 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for third-year AFROTC cadets.

**AFS350 Leadrshp & Communication**

Hours 3

A study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course. Students enrolled in AFS 350 and AFS 360 courses are AS 300-level cadets who are in their junior year of AFROTC program, unless approved otherwise.

**AFS360 Leadrshp & Communication**

Hours 3

A study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course. Students enrolled in AFS 350 and AFS 360 courses are AS 300-level cadets who are in their junior year of AFROTC program, unless approved otherwise.

**AFS401 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for fourth-year AFROTC cadets.

**AFS402 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for fourth-year AFROTC cadets.

**AFS470 Nat'l Security & Ldrship**

Hours 3

Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course. Students enrolled in AFS 470 and AFS 480 courses are AS 400-level cadets who are in their final academic year of AFROTC program, unless approved otherwise.

**AFS480 Nat'l Security & Ldrship**

Hours 3

Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course. Students enrolled in AFS 470 and AFS 480 courses are AS 400-level cadets who are in their final academic year of AFROTC program, unless approved otherwise.

**MIL110 Leadership/Natl Security**

Hours 1

This class is designed to be an introductory course that provides a basic understanding of the requirements and outcomes of the Reserve Officer Training Corps program. Each student will develop a sense of what to expect in the ROTC program, as well as what is important to the US Army in the early stages of leader develop. Students will learn the personal development of life skills such as cultural understanding, goal setting, time management, stress management, and comprehensive fitness relate to leadership, officership and the Army profession.

Prerequisite(s): Co-req of MIL 111

**MIL111 Leadership Application I**

Hours 1

Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during Leadership LABS and participate in physical fitness training. The lab is 2 hours and the physical fitness training is 3 hours per week.

Prerequisite(s): Co-req of MIL 110

**MIL120 Foundatn Leadership Team Develm**

Hours 1

This class is designed to be an introductory course that provides a basic understanding of the requirements and outcomes of the Reserve Officer Training Corps program. Each student will develop a sense of what to expect in the ROTC program, as well as what is important to the US Army in the early stages of leader develop. Students will learn the personal development of life skills such as cultural understanding, goal setting, time management, stress management, and comprehensive fitness relate to leadership, officership and the Army profession.

Prerequisite(s): Co-req of MIL 121

**MIL121 Leadership Development**

Hours 1

Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during Leadership LABS and participate in physical fitness training. The lab is 2 hours and the physical fitness training is 3 hours per week.

Prerequisite(s): Co-req of MIL 120

**MIL210 Basic Leadership Skills**

Hours 2

MIL 210 focuses on leadership and decision making. The outcomes are demonstrated through Critical and Creative Thinking and the ability to apply Troop Leading Procedures (TLP) to apply Innovative Solutions to Problems. The Army Profession is also stressed through leadership forums and a leadership self-assessment. MIL 220 focuses on Army doctrine and team development. The course begins the journey to understand and demonstrate competencies as they relate to Army doctrine. Army Values, Teamwork, and Warrior Ethos and their relationship to the Law of Land Warfare and philosophy of military service are also stressed. The ability to lead and follow is also cover through Team Building exercises in small units up to squad level.

Prerequisite(s): Co-req of MIL 211

**MIL211 Basic Leadership Development**

Hours 1

Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during Leadership LABS and participate in physical fitness training. The lab is 2 hours and the physical fitness training is 3 hours per week.

Prerequisite(s): Co-req of MIL 210

**MIL220 Military Leadership Skills**

Hours 2

MIL 210 focuses on leadership and decision making. The outcomes are demonstrated through Critical and Creative Thinking and the ability to apply Troop Leading Procedures (TLP) to apply Innovative Solutions to Problems. The Army Profession is also stressed through leadership forums and a leadership self-assessment. MIL 220 focuses on Army doctrine and team development. The course begins the journey to understand and demonstrate competencies as they relate to Army doctrine. Army Values, Teamwork, and Warrior Ethos and their relationship to the Law of Land Warfare and philosophy of military service are also stressed. The ability to lead and follow is also cover through Team Building exercises in small units up to squad level.

Prerequisite(s): Co-req of MIL 221

**MIL221 Mil Leadership Mgt Applicn II**

Hours 1

Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during Leadership LABS and participate in physical fitness training. The lab is 2 hours and the physical fitness training is 3 hours per week.

Prerequisite(s): Co-req of MIL 220

**MIL310 Small Unit Tactical Leadership**

Hours 3

The ROTC Advanced Course is designed primarily for cadets who wish to pursue a commission as a lieutenant in the U.S. Army upon graduation. To enter into the Advance Course, a student must be contracted or about to enter contract with ROTC. The Advanced Course is taken in the final two years of college and includes the Cadet Summer Training (CST) during the summer after the junior or senior year. Instruction includes advanced leadership development, organization ethics critical thinking and problem solving, administration, and tactics. Summer training at Fort Knox, Kentucky enables cadets to put into practice, in a field environment, the principles and theories acquired in the classroom and passing is a commissioning requirement.

Prerequisite(s): Co-req of MIL 311

**MIL311 Small Unit Leader Appl Lab I**

Hours 1

Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during Leadership LABS and participate in physical fitness training. The lab is 2 hours and the physical fitness training is 3 hours per week. This course is only for contracted cadets.

Prerequisite(s): Co-req of MIL 310

**MIL320 Advanced Leadership Skills**

Hours 3

The ROTC Advanced Course is designed primarily for cadets who wish to pursue a commission as a lieutenant in the U.S. Army upon graduation. To enter into the Advance Course, a student must be contracted or about to enter contract with ROTC. The Advanced Course is taken in the final two years of college and includes the Cadet Summer Training (CST) during the summer after the junior or senior year. Instruction includes advanced leadership development, organization ethics critical thinking and problem solving, administration, and tactics. Summer training at Fort Knox, Kentucky enables cadets to put into practice, in a field environment, the principles and theories acquired in the classroom and passing is a commissioning requirement.

Prerequisite(s): Co-req of MIL 321

**MIL321 Small Unit Leader Appl Lab II**

Hours 1

Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during Leadership LABS and participate in physical fitness training. The lab is 2 hours and the physical fitness training is 3 hours per week.

Prerequisite(s): Co-req of MIL 320

**MIL335 American Military Experience**

Hours 3

This course is a college-level military history course designed to develop students' awareness of the relationship of the military establishment to society, particularly in the United States. Further, the course will describe the evolution of war and the progression of military professionalism, give an awareness of the history and purpose of joint operations, discuss the role of history in understanding their profession, and encourage the viewing of American military history from both joint and combined perspectives.

**MIL410 Military Science IV**

Hours 3

The Army Officer. The focus of this semester is Cadet (MS IV) leadership development, critical thinking and the final preparation for commissioning as an Army Lieutenant. Cadets must be contracted to take this course.

Prerequisite(s): Co-req of MIL 411

**MIL411 Adv Leadership Applicatn Lab I**

Hours 1

Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during Leadership LABS and participate in physical fitness training. The lab is 2 hours and the physical fitness training is 3 hours per week. This course is only for contracted cadets.

Prerequisite(s): Co-req of MIL 410

**MIL420 Military Science IV**

Hours 3

The Army Officer. The focus of this semester is Cadet (MS IV) leadership development, critical thinking and the final preparation for commissioning as an Army Lieutenant. Cadets must be contracted to take this course.

Prerequisite(s): Co-req of MIL 421

**MIL421 Adv Leadersh Applicatn Lab II**

Hours 1

Students are then required to apply their knowledge outside the classroom in a hands-on performance-oriented environment during Leadership LABS and participate in physical fitness training. The lab is 2 hours and the physical fitness training is 3 hours per week. This course is only for contracted cadets.

Prerequisite(s): Co-req of MIL 420

**MIL493 Risk Management and Safety**

Hours 1

Course prepares students to recognize risk behaviors and situations, plan safe and effective training, and reduce risks both on and off duty with a focus on awareness and prevention. Offered fall, spring, and summer.

Prerequisite(s): MIL 311 and MIL 321; or MIL 411 and MIL 421

**MIL494 Academic Mentorship Program**

Hours 1

Course prepares students to design and implement an advising and mentoring program to increase retention of younger peers, focusing on organization and time management. Offered fall, spring, and summer.

Prerequisite(s): MIL 311 and MIL 321; or MIL 411 and MIL 421

**MIL496 Ethical Foundations**

Hours 1

Prepares students to recognize risk behaviors and situations, plan counseling sessions, make informed referrals to assistance agencies, and improve the quality of life for employees. Offered fall, spring, and summer.

Prerequisite(s): MIL 311 and MIL 321; or MIL 411 and MIL 421

**UA105 Community Engaged Partnerships & Scholarship**

Hours 1

This course is designed to build students' knowledge and enhance their practice of community engagement and engaged scholarship through active and real-world experiences. Further, this course will provide opportunities for students to develop leadership skills while working with their peers to explore and reflect on community engagement opportunities on- and off-campus.

**UA109 FYE Leaders: Lucy's Legacy**

Hours 1

This course will explore the experiences of student leaders who identify as women of color in higher education. The course will complement the Lucy's Legacy program for first-year women. The course curriculum is informed by the Culturally Relevant Leadership Learning Model. Students will explore their leadership identity, leadership capacity, and leadership efficacy, in addition to learning and discussing techniques to improve their leadership. Topics will include understanding oneself as leader, leadership in groups, ethical leadership, and peer-to-peer leadership.

**UA110 Peer Leader 101: Learning to Teach, Teaching to Learn**

Hours 1

This course will explore the role of peer education at an institution in relation to first-year student academic and social transition. The course will complement the practicum experience students will engage in as a Peer Leader, inside and outside of the classroom. Additionally, students will learn and discuss techniques to improve their leadership as a mentor and a role model, as well as best practices when working with a faculty member to supplement the instruction and facilitate course material. Topics will include understanding the first-year student, embracing the concept of peer leadership, fostering student learning, effective communication skills, personal leadership development, and other related topics. Course enrollment limited to participants in the Peer Leader Program.

Prerequisite(s): Must be enrolled in Peer Leaders program

**UA155 Freshman Rsrch & Creative Opp**

Hours 1-3

Introduction to research in creative activities in a major research university. The course will provide special opportunities to freshman students admitted to the Emerging Scholars Program.

**UA156 Freshman Rsrch & Opport.II**

Hours 1-3

Research component of UA 155.

Prerequisite(s): UA 155

**UA200 Health and Wellness Advocacy**

Hours 3

This is a 3 hour dynamic course designed to motivate, teach, and engage students in the area of peer health education. Students will explore and develop a deeper understanding of the most pertinent health and wellness issues impacting the college student population and receive training in the following core peer education skills: listening, referral, confrontation, stress management, and presentation skills. The health topics that will be covered include alcohol, tobacco, mental health, nutrition and fitness, eating disorders, financial management, sexual health and healthy relationships. Upon successful completion of this course, students will have the opportunity to become Certified Peer Educators (CPE).

**UA205 Global Health Case Competition**

Hours 1

Students will work in teams from across disciplines to present at the University of Alabama Global Health Case Competition in the Fall Semester. Students will be placed on teams based on their class standing, discipline/major, and international experience. Students will be required to participate in the UA Global Health Case Competition as a member of a team in the Fall Semester. The purpose of this course and the competition is for students to understand and develop solutions to complex global health concerns from a team and interdisciplinary approach. This course is designed to be collaborative across disciplines and reflect experiential education and engaged scholarship.

**UA250 Capstone Catalysts for Change Seminar**

Hours 1-3

Throughout history there have been many regional, national, and/or global disruptions which have resulted in significant reactions, responses, and lasting effects on our communities and world. In many instances, the world students have been preparing for suddenly changes in ways that may be difficult to predict. Students will explore the lasting effects and how they can be "catalysts for change". UA faculty and other key experts will explore the cause, effect, and long-term impacts that these instances may have on local, regional, national and global societies.

**UA251 Honors Capstone Catalysts for Change Seminar**

UH

Hours 1-3

Throughout history there have been many regional, national, and/or global disruptions which have resulted in significant reactions, responses, and lasting effects on our communities and world. In many instances, the world students have been preparing for suddenly changes in ways that may be difficult to predict. Students will explore the lasting effects and how they can be "catalysts for change". UA faculty and other key experts will explore the cause, effect, and long-term impacts that these instances may have on local, regional, national and global societies.

University Honors

**UAEC200 UAEC College Readiness**

Hours 2

UAEC 200 is a two-credit-hour course designed to orient UA Early College students to the procedures and skills necessary for navigating college-level online courses, and to prepare them to be successful in academic courses at The University of Alabama.

## Department, Program and Course Alpha Symbols

Department, Program or Course	Symbol	Division
Accountancy	AC	CB
Advertising and Public Relations	APR	CIS
Aerospace Engineering and Mechanics	AEM	EG
African-American Studies	AAST	AS
Air Force Studies	AFS	MIL
American Studies	AMS	AS
American Sign Language	ASL	AS
Anthropology	ANT	AS
Arabic	ARB	AS
Art History	ARH	AS
Art, Studio	ART	AS
Arts and Sciences	AS	AS
Asian Studies	ASST	AS
Astronomy	AY	AS
Athletic Training	ATR	HS
Biological Sciences	BSC	AS
Blount Scholars Program	BUI	AS
Book Arts	BA	CIS
Capstone International Programs	CIP	AS
Chemical and Biological Engineering	CHE	EG
Chemistry	CH	AS
Chinese	CHI	AS
Civil, Construction and Environmental Engineering	CE	EG
Classics	CL	AS
Clothing, Textiles and Interior Design	CTD	HS
Communication Information Sciences	CIS	CIS
Communication Studies	COM	CIS
Communicative Disorders	CD	AS
Community Health Sciences	CHS	CHS
Computer Science	CS	EG
Computers and Applied Technology	CAT	ED
Consumer Sciences	CSM	HS
Co-op Work Period A&S	CAS	AS
Co-op Work Period CBA	CCB	CB
Co-op Work Period Communications	CCO	CIS
Co-op Work Period Education	CED	ED
Co-op Work Period Engineering	CEG	EG
Co-op Work Period HS	CHO	HS
Co-op Work Period Nursing	CNU	NU
Co-op Work Period SW	CSW	SW
Co-op Professional A&S	PAS	AS
Co-op Professional C&BA	PCB	CB
Co-op Professional Communications	PCM	CIS
Co-op Professional Education	PED	ED
Co-op Professional Engineering	PEG	EG
Co-op Professional HES	PHS	HS
Co-op Professional Nursing	PNU	NU
Co-op Professional Social Work	PSW	SW
Counselor Education	BCE	ED
Criminology & Criminal Justice	CJ	AS
Critical Languages	CRL	AS
Curriculum and Instruction	CIE	ED
Cyber Criminology	CC	AS
Czech	CZE	AS
Dance	DN	AS
Dance, Academics	DNCA	AS
Dutch	DUT	AS
Economics	EC	AS, CB
Education Orientation	EDU	ED
Educational Leadership	AEL	ED
Educational Psychology	BEP	ED
Educational Research	BER	ED
Electrical and Computer Engineering	ECE	EG
Elementary Education Programs	CEE	ED
Engineering Graphics	DR	EG
Engineering Positive and Intentional Change	EPIC	EG
English	EN	AS
English Language Communication	ELC	AS
English Language Institute	ELI	AS
Exercise and Sport Science	HPES	ED
Farsi	FRS	AS
Finance	FI	CB
Fine Arts	FA	AS
Finnish	FIN	AS
Freshman Learning Community	FLC	AS
French	FR	AS
General Business Administration	GBA	CB
General Engineering	ENGR	EG
General Health Studies	HES	HS
General Engineering Studies	GES	AS
General Studies	GS	AS
Geography	GY	AS
Geological Sciences	GEO	AS
German	GN	AS
Greek	GR	AS
Health Care Analytics	HCAN	CB
Health Education	HHE	HS
Hebrew	HEB	AS
Higher Education	AHE	ED
Hindi	HIN	AS
History	HY	AS
History, Philosophy and Sociology of Education	BEF	ED
Human Development and Family Studies	HD	HS
Human Environmental Sciences	HES	HS
Human Nutrition and Hospitality Management	NHM	HS
Indonesian	INDO	AS
Information Sciences	IS	CIS
Interdisciplinary Studies	IDGR	GR
Interdisciplinary Studies in Medicine	IDMD	AS
International Business	IBA	CB

Instructional Leadership	AIL	ED
Instructional Technology	INTE	ED
Italian	IT	AS
Japanese	JA	AS
Journalism and Creative Media	JCM	CIS
Kinesiology	KIN	ED
Korean	KOR	AS
Latin	LA	AS
Latin American Studies	LAS	AS
Law	LAW	LW
Legal Studies	LGS	CB
Library and Information Studies	LS	CIS
Management	MGT	CB
Management Information Systems	MIS	CB
Manufacturing Systems Engineering	MFE	EG
Marine Science	MS	AS
Marketing	MKT	CB
Mass Communication	MC	CIS
Mathematics	MATH	AS
Mechanical Engineering	ME	EG
Metallurgical and Materials Engineering	MTE	EG
Military Science	MIL	MIL
Modern Greek	MDGR	AS
Modern Languages and Classics	MLC	AS
Multiple Abilities Program	MAP	ED
Museum Studies	MUSM	AS
Music Academics	MUS	AS
Music, Applied	MUA	AS
Music Education	MUE	ED
New College	NEW	AS
New College Life Track	NCLT	AS
Norwegian	NOR	AS
Nursing	NUR	NU
Nursing Science	NUS	NU
Operations Management	OM	CB
Philosophy	PHL	AS
Physics	PH	AS
Polish	POL	AS
Political Science	PSC	AS
Population Health	POPH	CH
Portuguese	POR	AS
Psychology	PY	AS
Randall Research Scholars Program	RRS	UH
Reading Education	CRD	ED
Religious Studies	REL	AS
Restaurant, Hotel and Meetings Management	RHM	HES
Romance Language(s)	RL	AS
Rural Community Health	RCH	CH
Russian	RUS	AS
Sanskrit	SAN	AS
School Psychology	BSP	ED
Secondary Curriculum, Teaching and Learning	CSE	ED

Social Work	SW	SW
Sociology	SOC	AS
Spanish	SP	AS
Special Education and Multiple Abilities	SPE	ED
Statistics	ST	CB
Swahili	SWA	AS
Swedish	SWED	AS
Thai	THAI	AS
Theatre	TH	AS
Theatre, Musical Theatre	THMT	AS
Turkish	TUR	AS
UA Early College	UAEC	AA
University College	UA	AA
University Fellows Exp	UFE	HC
University Honors Program	UH	UH
Vietnamese	VIET	AS
Women's Studies	WS	AS
World Literature	WL	AS

## Division Key

AA	Academic Affairs
AFS	Air Force ROTC
AS	Arts and Sciences
CB	Business
CIS	Communication and Information Sciences
CH	Community Health Sciences
CS	Continuing Studies
ED	Education
EG	Engineering
HS	Human Environmental Sciences
MIL	Army ROTC
NU	Nursing
SW	Social Work
UA	Universitywide

## Grades and Grade Points

### Grade Point Average (GPA)

Grade point averages are computed on the following grades: "A," "B," "C," "D," "F," or "I" and any pluses or minuses that appear on the record. In computing a GPA, an "I" counts as an "F" until replaced by the earned grade. Grades of "P," "W," "NA," or "NC" are not used when computing the GPA.

### Overall and Institutional GPA

A student's overall GPA is comprised of all work completed at the collegiate level, including work completed at The University of Alabama as well as work completed at other postsecondary institutions and accepted for credit at The University of Alabama in accordance with the Transfer Credit Policy (p. 21). A student's institutional GPA is comprised solely of work completed at The University of Alabama. Both the overall and institutional GPA calculations take into account all attempted work that comprise each individual GPA. All failed, repeated, or otherwise insufficient coursework is included in the calculations.



## Sample Overall/Institutional GPA Calculation

A student's overall or institutional GPA is calculated by dividing the total number of quality points earned by the total number of GPA hours, rounded to the third (thousands) decimal. (To calculate the total number of quality points earned, refer to the chart in the Grade and Grade Points section of this catalog.) Then, take the point value (4.33, 4.0, etc.) of each grade earned and multiply by the number of credit hours each course is worth. The sum total of those calculations will result in the total quality points. The sum of all credit hours used in the GPA calculation will result in the total number of GPA hours. Please note that grades of "F", "W", "NA," and "NC" are not included in the GPA calculation. A cumulative GPA of 4.0 is the highest GPA an undergraduate can receive. See below for a sample calculation:

GPA Hours	Grade	Quality Points
3	A	12
4	B-	10.68
3	F	0
3	C	6
3	D+	3.99

**Total Quality Points/Total GPA Hours = GPA**

**Example:**  $32.67/16 = 2.042$  GPA

## Major and Minor GPA

In order to graduate with a particular major or minor, a student must earn at least a 2.0 GPA in the courses required for the major or minor. However, a major or minor GPA is calculated differently than an overall or institutional GPA. The same formula of total quality points divided by total GPA hours is used, but certain instances of classes that are included in overall and institutional GPA calculation are excluded when calculating a major or minor GPA.

A student's major GPA is calculated in the following manner:

- Only classes currently completing major or minor requirements up to the total number of hours required for that particular major or minor.
- Failed, repeated, or otherwise insufficient attempts of classes are not used in the calculation.
- Successfully completed classes in excess of what is required to complete the major or minor are not used in the calculation.
- When multiple classes can be used to complete a particular requirement, the class with the highest grade will be used in the calculation.
- Both UA institutional coursework and transfer work will be used in the calculation.

Other considerations when calculating major and minor GPAs include the following:

- Certain majors or minors may require a GPA higher than a 2.0. Students should always consult with their academic advisor for requirements specific to their program of study.
- Certain programs of study calculate GPAs for specific groups of courses that do not follow the calculation method outlined above.
- Major and minor GPAs are not officially recorded on a student's transcript nor are the calculations stored in the student information system.

## Sample Major/Minor GPA Calculation

The requirements for the English minor are as follows:

Requirement #	Courses	Hours
1	EN 205 or EN 215	3
2	EN 206, EN 207, EN 208, EN 209, EN 210, or EN 249 (or honors equivalent)	9
3	EN electives 300 or 400 level	9
<b>Total</b>		<b>21</b>

A sample of a student's coursework that could apply to the English minor:

Course	Grade/Credits	Applied to GPA?	Reason
EN 205	A/3	Yes	Applies to Requirement #1
EN 206	B/3	Yes	Applies to requirement #2
EN 207	A/3	Yes	Applies to requirement #2
EN 208	B/3	Yes	Applies to requirement #2
EN 208	F/3	No	Class was failed
EN 330	A/3	Yes	Applies to requirement #3
EN 348	B/3	Yes	Applies to requirement #3
EN 422	C/3	Yes	Applies to requirement #3
EN 466	C-/3	No	In excess of credits required in requirement #3 and lowest grade of classes that could apply

The actual calculation of the sample English minor GPA:

Course	Grade	Credits	Quality Points
EN 205	A	3	12
EN 206	B	3	9
EN 207	A	3	12
EN 208	B	3	9
EN 330	A	3	12
EN 348	B	3	9
EN 422	C	3	6

**Total Quality Points/Total Credits = Minor GPA**

**Example:**  $69/21 = 3.28$

## Grades and Grade Points

Grades are awarded for University of Alabama undergraduate courses according to the following table of letter grades and values:

A+	4.33
A	4.0
A-	3.67
B+	3.33
B	3.0
B-	2.67

C+	2.33
C	2.0
C-	1.67
D+	1.33
D	1.0
D-	0.67
F	0
I	Incomplete
N	No Grade Reported
NC	No Credit
IP	In Progress
P	Pass
W	Withdrawn
NG	Non-Graded Class

## Policy on Grading

For undergraduate courses at The University of Alabama, passing grades are "A+," "A," "A-," "B+," "B," "B-," "C+," "C," "C-," "D+," "D," and "D-." The "F" and "I" grades cannot be modified with a + or -. Four grade points are given for each hour of "A," three grade points for each hour of "B," two grade points for each hour of "C" and one grade point for each hour of "D." The plus sign added to a grade raises the points awarded by 0.33 points per hour. A minus sign lowers the points awarded by 0.33 points. For example, each hour of "C+" earns 2.33 grade points. Please refer to the grade points table for a complete listing of grades and their corresponding point values. Where departmental or other regulations require a minimum grade in a course or courses (for instance, the requirement to complete all prerequisites with grades of at least "C"), a minus sign shall be appended to the minimum grade. That is, a "C-" indicates "any kind of C." The syllabus for each individual University of Alabama undergraduate course specifies the criteria upon which work in the course will be graded. **NOTE:** A cumulative GPA of 4.0 is the highest GPA an undergraduate can receive.

For all freshman composition and introductory math courses, the following grades may be reported: "A+," "A," "A-," "B+," "B," "B-," "C+," "C," "C-," and "NC" (No Credit). The "NC" grade is not included in the computation of the student's GPA. A grade of "C-" or higher is required in all freshman composition and introductory math courses and is a prerequisite for advancement to all higher level English and math courses at The University of Alabama.

Specific freshman composition and introductory math courses where a grade of "NC" may be reported are:

Code and Title	Hours	
EN 101	English Composition	3
EN 102	English Composition	3
EN 103	Advanced English Composition	3
EN 104	English Composition BUI	3
EN 120	English Comp I Non-Native Spkr	3
EN 121	English Comp II Non-Native Spk	3
MATH 100	Intermediate Algebra	3
MATH 110	Finite Mathematics	3
MATH 112	Precalculus Algebra	3
MATH 113	Precalculus Trigonometry	3
MATH 115	Precalc Algebra & Trig	3

In computing the number of credit hours attempted, each enrollment in a course is counted (any required course in which an "F" is earned must be repeated and passed; hours in freshman composition and introductory math courses for which "NC" was reported are not included in GPA computations). In some academic divisions, a student who has obtained the dean's permission may repeat a course for which he or she has already earned credit. Each enrollment is counted in the number of credit hours attempted and in the computation of the GPA. However, only the final enrollment may be applied to the requirements for the degree.

## Incompletes and Failures

If a grade of "F" is earned in a required course, the student must repeat the course and earn a passing grade in order to receive credit that will be applied to the requirements for the degree. Grades of "I" must be removed within 12 months of the end of the term in which they were awarded but prior to the student's graduation or the grade of "I" will be changed to "F." The "I" may not be used as a means to re-enroll in a course during a subsequent semester. A grade of "I" may not be used to satisfy a prerequisite requirement.

## Pass/Fail Option

A student who is in good academic standing may request permission to receive a grade of "P" or "F" for a course, instead of the conventional "A+," "A," "A-," "B+," "B," "B-," "C+," "C," "C-," "D+," "D," "D-," or "F." A grade of "P" does not affect the GPA. However, a grade of "F" received in a course that the student has chosen to take under the pass/fail option is computed in the GPA. Use of the pass/fail option is subject to the following regulations:

- The student must be a sophomore, junior, or senior with a GPA of 2.0 or higher in order to use the pass/fail option<sup>1</sup>.
- Only elective courses may be taken pass/fail.
- A maximum of four courses or 12 credit hours (whichever comes first) may be taken pass/fail while a student is earning an undergraduate degree.
- Only one course each fall semester, spring semester, and summer term may be taken pass/fail.
- Once the deadline to add a course has passed, a student may not request the pass/fail option for a course nor rescind the decision to take a course with the pass/fail option.

A transfer student must have completed at least 15 credit hours at The University of Alabama with a GPA of 2.0 or higher in order to use the pass/fail option.

### Footnotes

- <sup>1</sup> These regulations apply only to courses for which the student elects the pass/fail option; courses that are offered only on a pass/fail basis are exempted.

## Repeat Course Policy

The grade and credit of the last (most recent) attempt of a course taken more than once will count in the student's GPA and earned hours. All previous attempts will only count in the calculation of the GPA but not in earned hours. This also applies to courses taken at other institutions and transferred in to UA as an equivalent course.

Federal regulations limit the number of times a student may repeat a course and receive financial aid for that course. Questions about these regulations should be emailed to the Student Financial Aid Office through their webpage [financialaid.ua.edu](http://financialaid.ua.edu).

## Auditing Courses

Auditing a course allows a student to take a class without the benefit of a grade or credit for a course. A student who audits a course does so for the purposes of refreshing one's knowledge, self-enrichment, and academic exploration.

The student must gain prior approval from the department offering the course in order to audit the course. The department will then work with the college's student services office which will submit a request to the Office of the University Registrar to add the course to the student's schedule as an audit. The deadline for gaining permission/registering as a course auditor coincides with the deadline for adding courses at the beginning of each semester.

Auditors receive no credit toward a degree, and an "AU" grade appears on the transcript. The credit received when auditing a course does not count toward the student's verification of full, half, or less than half-time enrollment status. This credit is not reported to the National Student Clearinghouse for enrollment verifications.

The requirements that auditors are expected to meet in an audited course are left to the discretion of the instructor. An auditor is typically considered a passive learner and may not recite in class or take examinations, but is expected to attend classes with reasonable regularity and do some assigned work. Please check with the instructor regarding his or her expectations. Auditors pay standard tuition/fees for the course[s].

## Non-Attendance Grading

Federal regulations require that institutions have a system for identifying students that registered for, but failed to begin attendance in any or all classes. Institutions are responsible for any aid disbursed to these students. For students that cease attending classes, institutions are required to determine the date of last attendance for calculating the correct percentage of aid awarded based on the payment period completed prior to the last attendance date. Further, if there is no grading system that differentiates between an earned "F" and an "F" assigned for non-attendance, then the student is considered to have never attended or withdrawn for auditing purposes.

When inputting midterm and final grades, instructors are required to select one of the following reasons when a grade of "F" (or "NC") is assigned:

- **Earned:** Based on the evaluation of the student's work throughout the semester, the instructor has determined that the student failed to meet the stated objectives of the course.
- **Never Attended:** The student did not attend a single class meeting or, in the event of online/distance learning courses, the student never participated in or contributed to the class.
- **Stopped Attending:** The student stopped attending class during the semester and failed to return or resume participation. A "Last Attend Date" is required and should reflect the last documented class attendance or participation. Examples of documented attendance may include presence in class or during exams, completion of assignments, and/or participation in computer-assisted instruction.

Following the last day to drop a class with a grade of "W" for a given term, all grades of "F" (or "NC") submitted during midterm grading will be reflected on the student's transcript as final grades. Any subsequent grades of "F" or "NC" submitted during the remainder of the term through final grading will also be reflected on the student's transcript as final grades. Midterm grades of "F" (or "NC") assigned with a reason of

"Earned" will not be reflected on the transcript. The student will be able to continue on in the class and attempt to improve the grade.

Student registration will not be adjusted based on the assignment of failing grades with a reason of Stopped Attending or Never Attended. No tuition adjustments will be made for students who receive a failing grade for reasons of Stopped Attending or Never Attended unless they have properly withdrawn from that course within the established refund dates as published. All grades of "F," regardless of the reason for which they are assigned, will be punitive in regard to GPA. Grades of "NC" will continue to be non-punitive.

## Honors

### Dean's List and President's List

A dean's list of superior students is compiled and published following the conclusion of each semester based solely on grades earned in that specific term. Inclusion on the dean's list requires a student have a term GPA of at least a 3.5 for a minimum of 12 credit hours earned in a fall, spring, or summer semester. Only enrollment in University of Alabama coursework counts toward the 12 credit hour requirement.

Undergraduate students enrolled in the Accelerated Masters Program will have the grade points earned in the approved program-specific, graduate-level courses counting toward their undergraduate program of study applied to the dean's list calculation.

The president's list recognizes students who make the dean's list with a 4.0 GPA. Students' scholastic achievements may be further recognized by election to national scholastic honor societies and activities held during Honors Week.

Neither the dean's list nor the president's list is published until completion of the deferred examination period for the term. The published list is not updated following initial publication. Both dean's list and president's list honors, as well as any changes to students' honors due to grade changes or other administrative action, will be reflected on students' transcripts.

### Latin Honors Designation

At graduation, the Latin honors designations cum laude (3.5 GPA but less than 3.7 GPA), magna cum laude (3.7 GPA but less than 3.9 GPA) and summa cum laude (3.9 GPA or higher) based only upon The University of Alabama institutional GPA and a minimum of 45 UA semester hours distinguish students who have qualified in their academic divisions for these designations.

Undergraduate students enrolled in the Accelerated Masters Program may have the grade points earned in the approved program-specific, graduate-level courses applied to honors calculations provided the courses fulfill the undergraduate requirements and appear in the Degree Works audit report.

Latin Honors may apply to a subsequent undergraduate degree provided 45 UA degree-seeking hours above those used to fulfill requirements for the first undergraduate degree are satisfactorily completed.

Students approved for Academic Second Opportunity may qualify for Latin Honors contingent upon completion of a minimum of 45 UA hours required to complete the degree above and beyond the course hour adjustment made by Academic Second Opportunity.

Students who have been approved for academic bankruptcy (one semester) are eligible for Latin Honors contingent upon a completion of

a minimum of 45 UA hours required to complete the degree above and beyond the course hour adjustment made for academic bankruptcy.

## Transcripts

The University of Alabama official transcript is a complete record of a student's enrollment at UA, including all undergraduate, graduate, and professional courses. Transcripts are maintained and issued by the Office of the University Registrar (OUR) in accordance with the Family Educational Rights and Privacy Act (FERPA), University policy, and state and federal regulations. Students may find information for requesting their official transcript on the OUR website and are responsible for paying the associated fees. Transcripts are not issued for students who have outstanding financial obligations to the University.

## Curriculum

### Core Curriculum/General Education Requirements

To achieve a general education while pursuing a specific concentration in a chosen field of study, each undergraduate student will construct a curriculum that includes coursework in key areas. Read more. (p. 364)

### Final Examinations

Final examinations are held at the conclusion of each term. Read more. (p. 365)

### Graduation

Degrees are conferred at the close of each fall and spring semester and summer term. Read more. (p. 366)

### Majors and Degrees

Degree programs may provide academic, pre-professional, or professional experiences and preparation. Read more. (p. 367)

### Postgraduate Students

A student holding a bachelor's degree from an accredited institution of higher learning may earn a second bachelor's degree, in most instances, from The University of Alabama by fulfilling a specific set of requirements at both the College and University level. Read more. (p. 369)

### Registration

Prior to registering for classes each term, students may require academic advising using the procedures established by each college. Read more. (p. 369)

### UA System Cooperative Exchange Program

The University of Alabama System has a Cooperative Exchange Program that allows a student at any of the system's institutions (Birmingham, Huntsville, or Tuscaloosa) to enroll in courses at one of the other institutions. Read more. (p. 370)

### Core Curriculum/General Education Requirements

Applicable to students who begin their college careers fall 1998 and after, except for students enrolled in the College of Engineering. (See "College

### of Engineering Core Curriculum/General Education Requirements" below.)

To achieve a general education while pursuing a specific concentration in a chosen field of study, each undergraduate student will construct a curriculum that includes coursework in the following areas:

1. Six semester hours of written composition (**FC**).
2. Six semester hours in 300- and 400-level courses, preferably in the student's major, approved for the writing (**W**) designation. The (**W**) designation indicates that one of the conditions for a passing grade is that students write coherent, logical, and carefully edited prose in a minimum of two papers, at least one of which will be graded and returned before midsemester. All (**W**) designated courses are taught and graded by instructors who have at least the master's degree and preferably are limited to an enrollment of no more than 35 students. The (**W**) requirement must be satisfied with courses taken at UA.
3. Six semester hours of **one** of the following:
  - Six semester hours in courses that are approved for the computing (**C**) designation. These courses either substantially integrate the application of appropriate software or require writing computer programs. Students must make extensive use of the computer as a condition for passing the course. Courses approved for the (**C**) designation assume that students have a working knowledge of the computer.
  - Two semesters in one foreign language (**FL**) at the introductory/elementary level (101/102) level. A grade of "C-" or better must be earned in the first-semester course of the two-semester sequence that fulfills the requirement before the student will be allowed to enroll in the second semester course. Students with two or more high school units of a foreign language will be assigned to foreign language courses by the foreign language advisors on the basis of placement test scores. Students placed directly into introductory/elementary II level (102), accelerated/intensive review (103), intermediate level (201/202), or a higher level foreign language course where 201/202 is a prerequisite will be considered as having satisfied this requirement in one semester. Non-native speakers of English will fulfill the foreign language requirement upon successful completion of EN 120 and EN 121.
  - Note: These six hours are in addition to the requirements for humanities or mathematics.
4. Twelve semester hours of courses approved for the humanities and fine arts (**HU, L, & FA**) designations, to include three semester hours of courses approved for the fine arts (**FA**) designation and three semester hours of courses approved for the literature (**L**) designation. **Each student must complete a six-semester-hour sequence in either literature or history.**
5. Twelve semester hours of courses approved for the history and social and behavioral sciences (**HI & SB**) designations, to include three semester hours of courses approved for the history (**HI**) designation. **Each student must complete a six-semester-hour sequence in either literature or history.**
6. Eleven semester hours of courses approved for the natural sciences and mathematics (**N & MA**) designations, to include eight semester hours of courses approved for the natural sciences (**N**) designation and three semester hours of courses approved for the mathematics (**MA**) designation. This mathematics requirement must be satisfied with MATH 110 or higher.
7. Preprofessional, major, and/or elective courses applicable to the student's declared major program of study. Students are to consult

with their major departments/program areas for specific course designations that fulfill this requirement.

A course may be used to satisfy only one core requirement. For example, if a course carries a designation for both foreign language (**FL**) and humanities (**HU**), it may only be used to satisfy one of these core requirements. An additional course or courses must be completed to satisfy the remaining requirement.

A student may satisfy some general education course requirements by demonstration of competence on a proficiency examination such as the CLEP subject examination.

Review of general education (core curriculum) courses is an ongoing process. New courses may be approved and added to the list of those that meet core curriculum requirements. The core designations for existing courses may be discontinued. A course carries a general education designation if the course is approved at the time the course is taken. Students are responsible for ensuring that the designation is in effect at the time the course is taken, which can be confirmed by reviewing the core curriculum course list on the Office of the University Registrar website.

General education credit may be earned for courses taken at another institution, provided the courses transfer as the equivalents of courses that have been approved for general education credit at The University of Alabama. The (**W**) requirement must be satisfied in courses taken at The University of Alabama.

## College of Engineering Core Curriculum/ General Education Requirements

To achieve a general education while pursuing a specific degree program in the College of Engineering, each undergraduate student enrolled in that college will construct a curriculum that includes coursework in the following areas:

1. Six semester hours of written composition (**FC**).
2. Six semester hours in 300- and 400-level courses, preferably in the student's major, approved for the writing (**W**) designation. The (**W**) designation indicates that one of the conditions for a passing grade is that students write coherent, logical, and carefully edited prose in a minimum of two papers, at least one of which will be graded and returned before midsemester. All (**W**) designated courses are taught and graded by instructors who have at least the master's degree and preferably are limited to an enrollment of no more than 35 students. The (**W**) requirement must be satisfied with courses taken on this campus.
3. Nine semester hours of humanities (**HU**), literature (**L**), and fine arts (**FA**) area courses. Six semester hours are required in a discipline. A six-hour depth study is required and may be taken in either **HU**, **L**, and **FA** or **HI** and **SB**. There are no mandatory general education requirements for literature or fine arts, except as required for a specific engineering program.
4. Nine semester hours of courses in the areas of history (**HI**) and social and behavioral sciences (**SB**), to include six semester hours in a discipline. A six-hour depth study is required and may be taken in either **HU**, **L**, and **FA** or **HI** and **SB**. History may be included in in-depth courses.
5. Twelve semester hours of mathematics (**MA**) and natural sciences (**N**) area courses, to include two hours of laboratory. Mathematics must be at the MATH 125 level or higher.

6. Either six hours of foreign language (**FL**) or computing (**C**) are required in addition to the humanities requirement. **FL** courses can count as **HU** credit if six hours of **C** courses are earned.
7. Preprofessional, major, and/or elective courses applicable to the student's declared major program of study. Students are to consult with their major departments/program areas for specific course designations that fulfill this requirement.

A course may be used to satisfy only one core requirement. For example, if a course carries a designation for both foreign language (**FL**) and humanities (**HU**), it may only be used to satisfy one of these core requirements. An additional course or courses must be completed to satisfy the remaining requirement.

General education credit may be earned for courses taken at another institution, provided the courses transfer as the equivalents of courses that have been approved for general education credit at The University of Alabama. The (**W**) requirement must be satisfied in courses taken at The University of Alabama.

## Final Examinations

### The Final Exam Schedule

- Final examinations are held at the end of each term. The final examination schedule may be found on the Academic Calendar.
- In addition, one or more announced tests may be administered in a class during each term. At the beginning of each semester, the student should review the published final examination schedules and consult with his or her professors about examination requirements as well as the dates and times of final examinations.
- Deferred examinations are administered at the beginning of each term for the purpose of removing grades of "I." A schedule of deferred examinations is posted well in advance of the beginning of the semester.

### How to Read the Final Exam Schedule

- The date and time of the final examination is determined by the meeting pattern of the class section in question. The final exam periods encompass standard class meeting patterns.
- For classes with meeting patterns that do not directly align with the final examination schedule, the date and time of the final examination is determined by the first day of the week that the class in question meets and by the start time. For example, a class that meets on Tuesday and Thursday from 4:00 p.m. – 5:15 p.m. would have a final exam scheduled for the time slot that reads: "Classes which first meet TR between 3:30 p.m. – 4:55 p.m."
- "First meet" is defined as the first day reflected in the class meeting pattern and not necessarily the first day of the semester in which the class takes place. For example, a class that meets MW 3:30 p.m. – 4:45 p.m. would first meet on Monday even though the semester may begin on a Wednesday.

### Petitioning to Reschedule a Final Exam

- Students may petition to reschedule exams if the following circumstances occur.
  - A student has three or more exams scheduled on the same day.
  - A student has two exams scheduled at the same time.
- Students wishing to reschedule final exams due to one of the reasons above must submit to their professor(s) documentation of their schedule conflict. Students should consult with their college

student services office and/or Dean's office if they have any difficulty rescheduling exams due to one of the scenarios outlined above.

The **Provisional Exam Period** may be used to reschedule final exams for students who have exam conflicts or three or more final exams scheduled on Monday-Wednesday of Final Exam Week. Exams should be rescheduled according to the appropriate priority as outlined below.

## Rescheduling Priority

1. Exams for lower level classes have priority. For example, a 100-level course has higher priority than a 300-level course. The student should petition the 300-level course instructor for rescheduling.
2. If the exams involve classes at the same level (for example, three or more 200-level classes on the same day), the exam scheduled at the earliest time takes priority.

## Graduation

Degrees are conferred at the close of each fall, spring, and summer semester. A Degree Application fee is charged to the student account early in the semester of graduation and is payable to Student Account Services prior to graduation.

## Degree Application & Diplomas

To graduate, all students must submit a Degree Application through myBama by the deadline published on the Academic Calendar. The Degree Application should be filed for the term in which all degree requirements are expected to be completed. Students pursuing multiple degrees should submit a Degree Application for each degree.

### Degree Completion

After the Final Grade Entry deadline published on the Academic Calendar, all degree applicants will be audited for completion of requirements. Degrees will be awarded for pending applicants who meet all requirements and a notification will be sent to the Crimson email account. Once awarded, degrees are immediately viewable on the transcript. Degree Applications will be denied for pending applicants who have not met all degree requirements by the end of the term and a notification will be sent to the Crimson email account. Students have until the Degree Completion Deadline published on the Academic Calendar to resolve any outstanding issues related to their academic record and ensure they have met all requirements for degree. This includes issues related to transfer work, substitutions/exceptions, grade changes, withdrawals, late registration, etc. If all requirements are not met by the published deadline, the Degree Application will be denied and the student will be required to submit a Degree Application for a subsequent term. Degrees will only be awarded at the end of the term in which the student earned the necessary credits to satisfy all degree requirements. No degrees will be awarded after the published deadline. It is the responsibility of the degree applicant to ensure all requirements are met by the published deadline.

### Diploma Shipping

Students who complete degree requirements will receive diplomas by mail in accordance with the shipping dates published on the Academic Calendar for the term of graduation. Diplomas are mailed to the diploma mailing address provided by the student on the Degree Application.

Diplomas are not released until the student account has been paid in full and any past due balances cleared with Student Account Services. Students who satisfy financial obligations after the published diploma ship date are responsible for notifying the Office of the University

Registrar that the student account has been cleared. The diploma will not be mailed until notification is received.

Once diplomas have been shipped, if a diploma is returned to the Office of the University Registrar as undeliverable, the student will be contacted at the Crimson email address. Diplomas will be held for one calendar year after the graduation date and will then be destroyed. The student must then order a re-issued diploma at the cost of a replacement diploma. If a diploma is delivered damaged, the student should notify the Office of the University Registrar immediately and return the damaged diploma by mail to the office. Once received, a new diploma will be shipped at no charge to the student. Students have 60 days after the diploma ship date published on the Academic Calendar to report a damaged diploma. After that time, a student must order a re-issued diploma at the cost of a replacement diploma.

### Replacement Diploma

The University of Alabama issues only one diploma to each graduate at the time of graduation. Graduates needing an additional copy or a replacement copy of the original diploma can place orders online through the Office of the University Registrar.

### Diploma Name

The name on the diploma will appear as it does on the academic record in the student information system. On the Degree Application, students will have the option to edit middle name and suffix. These edits are for the diploma only and do not change the official name on the academic record in the student information system. Name changes for the student information system must be filed in accordance with the University of Alabama name change policy.

## Graduation Requirements

### Residency Requirement

To be eligible for a baccalaureate degree in any school or college, a student must earn in residence at The University of Alabama at least one-fourth of the semester hours required for the degree. The schools and colleges may specify that advanced course work and additional course hours in the major and minor fields be taken in residence. Students should review the individual college residency requirements found in each college or school section of the undergraduate catalog. A student who is within one semester of graduation and plans to complete coursework at an institution other than The University of Alabama must seek the approval of the student's dean's office to ensure compliance with University degree requirements. Students enrolled in the College of Education should consult with the dean's office to ensure compliance with state teacher certification eligibility factors.

### GPA Requirement

In order to qualify for a degree from The University of Alabama, a student must earn a GPA of at least "C" (2.0 on a 4.0 grading system) for all work attempted; transfer students must also earn GPAs of at least 2.0 ("C") for work attempted at The University of Alabama. In addition, the student must earn an average of "C" or higher for all work applying to the major. Some divisions of the University may have higher GPA requirements for graduation; the divisional requirements for graduation are found in the sections of this catalog pertaining to each school and college.

### Catalog Requirement

Students are required to complete degree requirements as stated in the catalog for the academic year during which they begin earning baccalaureate credit at The University of Alabama. Transfer students will be held to the same standard regardless of when baccalaureate credit

may have been earned at other institutions. If students do not complete degree requirements within seven years from the date they began earning baccalaureate credit at The University of Alabama, they must change to a current or more recent catalog, under which they will have seven years from the start of that catalog year to complete their degree. Students may choose a later catalog up to or including the one current at the time of their graduation.

### Credit Hour Requirement

Bachelor's degrees awarded by The University of Alabama require a minimum of 120 hours; some degree programs require more than 120 hours. It is the responsibility of the student to be familiar with the degree requirements of the student's chosen program. For detailed information regarding requirements for a specific degree, please refer to the appropriate section of this catalog.

## Guidelines for Substitution/Exception Requests

Students are required to complete degree requirements as stated in the catalog for the academic year during which they begin earning baccalaureate credit at The University of Alabama. A student wishing to deviate in any way from program requirements defined in the catalog must seek an exception/substitution with the college of enrollment. Authority for granting exceptions to major and minor requirements resides with the Dean of the student's college of enrollment. Requests for exceptions to core/general education requirements will be submitted by the college of enrollment to the Office for Academic Affairs for review. Final authority for granting exceptions to core/general education requirements resides with the Office for Academic Affairs. Approved exceptions to major and minor requirements will be posted to the student's audit in Degree Works by the college of enrollment following Dean's approval. Approved exceptions to core/general education requirements will be posted by the Office of the University Registrar following approval by the Office for Academic Affairs.

## Degree Amendment

Once a degree has been conferred and posted to the student's academic record, the record is considered closed. A University of Alabama degree is a public credential and the quality of the education, the integrity of the degree, and the reputation of the institution must be preserved. As a result, only in the rarest and most extenuating of cases would the University make an adjustment to the academic record once the degree has been conferred and posted.

"Rare and extenuating" circumstances would include the withdrawal of a degree awarded in error, withdrawal of a degree due to misconduct [investigation, hearing pending at the time of commencement], action based on a grade appeal, etc. Circumstances which do not qualify as "rare and extenuating" include attempts by a student to cleanse his/her record to enhance their acceptance into a graduate or professional program.

## Majors and Degrees

### Bachelor's Degree

A bachelor's degree is an award signifying a rank or level of undergraduate educational attainment. Particular types of bachelor's degrees identify educational programs having common objectives and requirements. Degree programs may provide academic, pre-professional, or professional experiences and preparation. Majors lead to a bachelor's degree. Each student must select a major within a bachelor's degree

type. If options are offered within a major, a student selects one. The student may also elect to enroll in a minor to supplement the major. Alternatively, the student may seek to enroll in multiple majors within the same type of bachelor's degree or to enroll in a concurrent degree program. A bachelor's program of study shall consist of no fewer than 120 credits. Students may elect to take courses beyond the minimum requirements of a degree program.

## Second Bachelor's Degree

Students and former students interested in obtaining a second bachelor's degree and currently enrolled students interested in earning concurrent degrees must follow the stipulations as described in the following paragraphs.

A student may only be awarded one degree with the same degree type (i.e., Bachelor of Arts, Bachelor of Science, Bachelor of Science in Electrical Engineering, etc.). For example, once a Bachelor of Arts is earned, a student may pursue a second major associated with a Bachelor of Arts but not a second Bachelor of Arts degree. In this example, the student could pursue a Bachelor of Arts in Communication because the degree type is different.

Currently enrolled students are encouraged to pursue graduate level studies toward an advanced degree through the Accelerated Masters Program (AMP) in lieu of pursuing a concurrent bachelor's degree. Students should contact their primary college of residence for additional AMP information.

A currently enrolled student may earn two different bachelor's degrees (i.e., a BA and a BS) concurrently if he or she meets the following requirements:

- earns a minimum of 30 additional credit hours over and above the number of credit hours required for the primary degree
- earns a minimum of 60 credit hours in residence (dependent upon the number of credit hours required to earn the two degrees)
- meets all degree, College and University requirements for both degree programs
- meets all prerequisites and course requirements in the two different major fields

Courses may be counted toward meeting the requirements in more than one area unless specifically prohibited by the academic departments and so stated in the catalog. However, credit for such a course cannot be applied toward both the total hours required for the first degree and the additional hours required for any additional degree.

**NOTE:** Both degrees do not have to be received in the same semester provided the concurrent degree plan of study was approved prior to the receipt of the first degree; otherwise, see the next bullet below.

A student who has previously earned a bachelor's degree from The University of Alabama and wishes to pursue further undergraduate work may complete an additional major and have it noted on the official transcript (with date of completion) **or** earn a second degree if it is different from the first (i.e., a BA if the first degree was a BS and vice versa). This student must apply for readmission for the second degree and then:

- earn a minimum of 30 additional credit hours in residence at The University of Alabama over and above any hours applied to the first degree
- complete all hours for the degree in the college awarding the degree except in special circumstances approved by the dean

- meet all degree, College and University graduation requirements for the second degree program in the catalog under which the student enters or in a subsequent catalog
- meet all prerequisite and course requirements in the major field(s) for the second degree

The University of Alabama recognizes bachelor's degrees earned from postsecondary institutions fully accredited by one of the following accrediting agencies: Middle States Commission on Higher Education (MSCHE), Higher Learning Commission (HLC), New England Commission of Higher Education (NECHE), Northwest Commission on Colleges and Universities (NWCCU), Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), and the Western Association of Schools and Colleges Senior College and University Commission (WSCUC). A student holding a bachelor's degree from an institution accredited by one of the aforementioned agencies may earn a second bachelor's degree, in most instances, from The University of Alabama by fulfilling a specific set of requirements at both the college and University level. This student must apply for admission for the second degree and then:

- meet all requirements for the second degree to include all course hours, grade point, ancillary, prerequisite, and residency requirements specified by the degree program
- earn 25 percent of the degree requirements (a minimum of 30 additional credit hours for a 120-hour degree) in residence at The University of Alabama over and above any hours applied to the first degree

If a student holds a bachelor's degree from an institution accredited by one of the aforementioned agencies, the University presumes all general education/core curriculum requirements are completed. This presumption does not apply to ancillary college and curricular requirements required by the college awarding the degree.

Students are responsible for declaring their intent to pursue a second bachelor's degree by filing an approval plan of study with the primary college of residency. To ensure appropriate advising, approval is obtained at a point when no fewer than 30 hours of coursework remains for the completion of one or both degrees. Students are also responsible for re-filing updated plans of study if changes are desired.

For degrees in different colleges, students must establish one college as their primary college of residency. If program accreditation is a component of the degree program, then the primary college of residency must be the college of the degree program whose professional accreditation requires residency. The student must pay all fees and adhere to all requirements of each college, other than residency.

At the time of graduation, students pursuing multiple degrees must submit a degree application for each degree by the deadline published on the Academic Calendar.

## Joint/Shared Degree

A joint/shared degree program involves a student working toward a degree mutually sponsored by UA, The University of Alabama at Birmingham (UAB), and/or The University of Alabama in Huntsville (UAH) leading to a single degree which is conferred by all participating institutions. A joint degree program is unique and distinguishable from any program offered independently at any one of the three institutions. The joint/shared degree program must be established through the student's primary institution of residency.

## Multiple Institutions Bachelor's Degree

A Multiple Institutions Bachelor's Degree is a special degree based on a Transfer Articulation Agreement. The agreement is a contract between two institutions of higher education, allowing the student to complete a specific set of courses at each institution to complete requirements for a bachelor's degree. The agreement is program specific and institution specific, so the courses of a specific institutional program have a guaranteed application toward a specific bachelor's program at the other institution.

## Majors

A major is an academic program of study within a degree designation. It is that part of a degree program consisting of a specified number of hours from a defined group of courses in a primary discipline or field. Students are expected to acquire some mastery of a particular discipline or interdisciplinary area as well as to achieve a breadth of intellectual experience. A new major must go through the College/School curriculum approval process and be approved by the Office of the Vice Provost for Academic Affairs. Changes to an existing major must go through the College/School curriculum approval process. Only formally approved majors will appear in the UA Catalog. A completed major is shown on a student's transcript but not the diploma.

A major must comprise a minimum of 30 semester hours of coursework specified by the academic department.

## Multiple Majors

Students may pursue multiple majors (two or more majors) at the same time within a single bachelor's degree or across degree types. To earn multiple majors, students must fulfill all the major requirements for each major, including any grade point and ancillary requirements. A student may share specific courses pertinent to both majors, provided an agreement has been negotiated and agreed upon between the two colleges or departments involved in granting the majors. Students are not required to complete additional general education/core curriculum requirements beyond those required for the first major, except in the case where additional lower-level courses are needed to fulfill prerequisite requirements of upper level courses. Majors may be selected from multiple colleges, with approval of the college responsible for each additional major, but students must establish one college as the primary college for residency. If a major program's accreditation requires residency in a specific college, the student will reside in the college whose professional accreditation requires residency.

Students are responsible for declaring their intent to pursue multiple majors by filing an appropriate plan of study with their college or school student services office. To ensure appropriate advising, approval should be obtained at a point when no fewer than 30 hours of coursework remain. Once approval is granted, the student services office of the college of residency notifies the Office of the University Registrar of a student's intent to complete additional major(s). The student is responsible for re-filing updated plans of study with the primary college of residence, if changes in major intent are desired.

**NOTE:** Students pursuing multiple majors across degree types (ex. BA & BS) will be awarded one degree with multiple majors. Students who are pursuing multiple degrees and earn a minimum of 150 hours may be awarded multiple degrees assuming completion of all necessary requirements. At the time of graduation, students pursuing multiple degrees must submit a degree application for each degree by the deadline published on the Academic Calendar.



## Dual Majors

A dual major is a condensed pathway that allows a student to complete two majors in less time than it typically takes to earn them separately. The pathway shares specific courses pertinent to both majors. Up to nine hours of coursework may overlap. The pathway is predetermined by formal agreement between two departments within a single college or two departments from two different colleges. More specifically, dual majors are predetermined, lock-step programs defined by the two areas of interest and are not self-devised. Students must complete requirements for both majors.

## Minors

A minor is part of a degree program in an approved secondary discipline or field outside the major. It requires fewer hours than a major and is awarded only if approved by both the major and minor department and/or college. A minor must be completed in conjunction with the degree a student is pursuing, and a student may not pursue a minor after a degree has been conferred. A new minor (by each degree level) must go through the college/school curriculum approval process and ultimately be approved by the Office for Academic Affairs. A completed minor is shown on a student's transcript, but not on the diploma.

A minor must be comprised of 15-21 semester hours of coursework specified by the department.

## Concentrations

A concentration is an approved set of courses within a major that define a specialty area or specific field of study. Concentrations may also be referred to by departments as "Specializations," "Tracks," or "Options." Unless specified by the unit offering the major, a concentration is not required. Both new concentrations or changes to existing concentrations (by each degree level) must go through the college/school curriculum approval process and be approved by the Office for Academic Affairs. Only formally approved concentrations will appear in The University of Alabama Undergraduate Catalog. A completed concentration is displayed on a student's transcript, but not the diploma.

A concentration must be comprised of 9-18 semester hours of coursework specified by the department.

## Focused Area of Study

Degree programs and majors may include a focused area of study, which describes a subset of coursework that is flexible in nature and relates to a specific field or range of content within the curriculum. Focused areas of study are different from concentrations in that they do not require formal approval by the Office for Academic Affairs and are not reflected on student transcripts.

## Postgraduate Students

A student holding a bachelor's degree from an accredited\* institution of higher learning may earn a second bachelor's degree, in most instances, from The University of Alabama by fulfilling a specific set of requirements at both the college and University level. These students will be classified as postgraduate students. If the initial bachelor's degree was completed at an institution other than The University of Alabama, courses applied toward the completion of that degree will not be transferred to the University and will not count toward a degree. Any coursework completed after the conferral of the initial bachelor's degree will be posted to the student's University of Alabama record in accordance with the Undergraduate Transfer Credit Policy (p. 21).

To complete a second bachelor's degree, a student must apply for admission for the second degree and fulfill the following requirements of the Multiple Degree and Multiple Majors Policy:

- Postgraduate students must meet all requirements for the second degree to include all course hours, GPA, ancillary, prerequisite, and residency requirements specified by the degree program.
- If a postgraduate student holds a bachelor's degree from a regionally accredited institution of higher learning, the University presumes all general education, core curriculum requirements are completed. This presumption does not apply to ancillary college and curricular requirements required by the college awarding the degree.
- Postgraduate students must earn 25 percent of the degree requirements (a minimum of 30 additional credit hours for a 120-hour degree) in residence at The University of Alabama over and above any hours applied to the first degree.

*\*The University of Alabama recognizes bachelor's degrees earned from postsecondary institutions fully accredited by one of the following accrediting agencies: Middle States Commission on Higher Education(MSCHE), Higher Learning Commission (HLC), New England Commission of Higher Education (NECHE), Northwest Commission on Colleges and Universities (NWCCU), Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), and the Western Association of Schools and Colleges Senior College and University Commission (WSCUC). A student holding a bachelor's degree from an institution accredited by one of the aforementioned agencies may earn a second bachelor's degree, in most instances, from The University of Alabama by fulfilling a specific set of requirements at both the college and University level.*

## Registration

Prior to registering for classes each term, students may require academic advising using the procedures established by each college.

Currently enrolled students normally register beginning in October for spring semester classes and in March for summer term and/or fall semester classes. A registration schedule that includes the beginning dates and times for currently enrolled students can be found at [registrar.ua.edu/student-services/registration](http://registrar.ua.edu/student-services/registration). New students register for classes during a new-student orientation session. The Office of Orientation and Special Programs provides new students with information about orientation sessions at [orientation.ua.edu](http://orientation.ua.edu). Late registration is permitted until approximately one week after classes begin; there is a penalty fee for late registration.

Courses that receive inadequate registration for a given semester may be dropped from the schedule of classes before the date for enrollment confirmation and tuition payment and/or before the first week of classes.

For the most current information, students should use the online schedule of classes at [myBama.ua.edu](http://myBama.ua.edu).

## The Semester System

The academic year is divided into two semesters and one summer term. The first semester (fall) begins in late August and ends in December. The second semester (spring) begins in January and ends in May. Fall term consists of one 10-week session (referred to as Fall II) and the full term. Spring term consists of Winter Interim (a term between the end of the fall term and the beginning of the full spring term), one 10-week session (referred to as Spring II) and the full term. The summer term consists of Interim session, two five-week summer sessions and one 10-week summer session. The summer term begins in mid-May and ends in August. The Interim session is the first three weeks of the

summer term. The University's current academic calendar can be viewed at [registrar.ua.edu/academiccalendar](http://registrar.ua.edu/academiccalendar).

Credit for courses completed is awarded in semester credit hours. The number of semester credit hours awarded for a course may vary from one academic department to another depending on class hours, contact hours, outside-the-classroom work, practical or experimental work and laboratory work.

## Course Hour Load in the Fall and Spring Terms

During the fall and spring semesters, the normal class hour load for a full-time undergraduate student who is not on scholastic probation is 12-18 credit hours each semester. A student who has earned at least 12 credit hours at The University of Alabama and has maintained a GPA of "B" (3.0 GPA) or higher for all work attempted at The University of Alabama may enroll for more than 18 hours. The maximum load for which a student may enroll in one semester is 21 hours; however, an academic division may impose additional restrictions on class hour loads. The following policies also govern the class hour load during the fall and spring semesters:

- A senior who is on academic warning may enroll for a maximum of 18 credit hours during the semester in which he or she will complete degree requirements.
- A senior who is not on academic warning may enroll for a maximum of 21 credit hours during the semester in which he or she will complete degree requirements.
- The maximum load for which an entering freshman or transfer student may register during the first term at The University of Alabama is 18 hours.
- Students may not register for more than 4 credit hours during the Winter Interim session of the spring semester.

## Course Hour Load in the Summer Term

During the summer term, the normal class hour load for undergraduate students is six credit hours for one five-week session or 12 credit hours for the summer term. Undergraduate students may enroll for a maximum of seven credit hours in each of the two summer sessions that make up the summer term. Students may not register for more than 4 credit hours during the summer Interim session. The total load in a summer term may not exceed 18 credit hours, including Interim session and 14 credit hours, including both courses that last for one summer session (five-week courses) and courses that run throughout the summer term (10-week courses). Full-time enrollment for the summer term is 12 hours.

## UA System Cooperative Exchange Program

The University of Alabama System has a Cooperative Exchange Program that allows a student at any of the system's campuses (Birmingham, Huntsville, or Tuscaloosa) to enroll in one course at one of the other campuses. The following conditions govern this cooperative exchange program:

1. The student must be currently registered as a full-time, undergraduate- or graduate-level, degree-seeking student at the home campus.
2. The course desired must not be offered at the student's home campus.

3. Visiting students are limited to one undergraduate or graduate course per term at the host campus.
4. The student must have an overall GPA of "C" as an undergraduate or "B" as a graduate student.
5. The student's request must be approved by the registrar of the home campus and by the dean and/or advisor, if required.
6. Permission for the student to enroll in a course at the host campus is dependent upon availability of space for that course requested by the visiting student (availability is determined at the close of regular registration).
7. The visiting student is not entitled to participate in the student activities of the host campus (sports functions, student concerts, etc.)
8. The visiting student follows all academic policies of the host campus.
9. It is the responsibility of the host campus to forward to the home campus the course description, semester hours of credit, and the final grade awarded to the visiting student. In cases where the campus grading systems are not compatible, it is the responsibility of the host campus to award a grade that is compatible with the home campus grading system.
10. All expenses associated with registration, withdrawal, and drop/add are paid by the student at the home campus. There should be no transfer of funds to the host campus.
11. To participate in this program, any student enrolled at the home campus with less than full-time hours requires approval by the vice president for academic affairs at the home campus and payment of minimum full-time tuition at the home campus.

Any exceptions to the above conditions governing this agreement must be approved by the vice president for academic affairs at the home campus. Any student interested in participating in the Cooperative Exchange Program should contact the Office of the University Registrar for information and exchange program registration.

## Student Expectations

### Absence from Class and Failure to Complete Class Work

Students are expected to attend all classes for which they are registered. Read more. (p. 371)

### Academic Misconduct Policy

All students in attendance at The University of Alabama are expected to be honorable and observe standards of conduct appropriate to a community of scholars. Read more. (p. 371)

### Records Policy for Students with Uncleared Financial Obligations

A student who is withdrawn from the University because of returned checks may not be reinstated for the current term. Read more. (p. 374)

### Student Responsibility

Thorough knowledge of the academic regulations and policies of the University and its academic divisions is essential for all students. Read more. (p. 375)

## Absence from Class and Failure to Complete Class Work

Students are expected to attend and participate in all classes for which they are registered. Class attendance/participation is regarded as an academic matter, and the use of attendance records in grading (or for other purposes) is left to the discretion of the instructor responsible for the course. This should be explained in the course attendance policy included in the course syllabus distributed by the instructor. The instructor is responsible for handling any excuses for absences from his or her class. A student-athlete should visit the Center for Student Athletic Services for more information.

## Academic Misconduct Policy (revised 11-16-21)

### I. General Policy

All students in attendance at The University of Alabama are expected to abide by The Capstone Creed, in which students pledge, among other things, to pursue knowledge, act with fairness, integrity and respect, foster individual and civic responsibility, and strive for excellence in all that they do. All students are also required to adhere to the Academic Honor Pledge, and shall not, at any time, be involved with acts of academic misconduct, such as cheating, plagiarism, fabrication, or misrepresentation. Students are absolutely prohibited from engaging in academic misconduct as defined herein.

### Academic Honor Code

1. All students in attendance at The University of Alabama are expected to be honorable and observe standards of conduct appropriate to a community of scholars. The University of Alabama expects from its students a higher standard of conduct than the minimum required to avoid discipline. When enrolled at The University of Alabama, students are expected to abide by the Academic Honor pledge. Additionally, at the discretion of the course instructor, each student will be expected to sign an Honor Pledge.
- b. The Academic Honor Pledge reads as follows: *"I promise or affirm that I will not at any time be involved with cheating, plagiarism, fabrication, or misrepresentation while enrolled as a student at The University of Alabama. I have read the Academic Honor Code, and I understand that violation of this code will subject me to charges under the Academic Misconduct Policy and result in penalties as severe as suspension or up to expulsion from the University."*

The University is committed to providing its students notice of academic misconduct charges and an opportunity to be heard prior to finding a student responsible and imposing a fair and equitable penalty. This Policy identifies types of academic misconduct and possible penalties and sets forth the process that will be followed when addressing accusations of academic misconduct. Except in divisions that have an alternate academic misconduct policy that has been approved by the Provost or except in instances in which a college is dealing with multiple students accused of academic misconduct in a course and the Provost has approved alternate procedures, academic misconduct cases shall be resolved as set forth below.

### II. Types of Academic Misconduct

Academic misconduct by students includes all acts of dishonesty in any academic-related matter and any knowing or intentional help, attempt to help, or conspiracy to help another student commit an act of academic dishonesty. Academic dishonesty includes, but is not limited to, each of

the following acts when performed in any type of academic or academic-related matter, exercise, or activity:

1. Cheating: using, attempting to use or assisting in the use of unauthorized materials, information, study aids, or computer-related information.
2. Plagiarism: representing words, data, pictures, figures, works, ideas, computer programs or outputs, or any other work generated by someone else, as one's own.
  - a. Self-Plagiarism: resubmitting your own previously submitted work without proper citation and permission from the current instructor to whom the original work is subsequently submitted.
3. Fabrication: presenting as genuine any invented or falsified citation, data or material.
4. Misrepresentation: falsifying, altering, or misstating the contents of documents or other materials related to academic matters, including schedules, prerequisites, and transcripts.

### III. Penalties for Academic Misconduct

**Range of Penalties:** Penalties for academic misconduct can range from a reprimand to a penalty as severe as suspension or expulsion for egregious acts and/or multiple offenses.

- **First Offense Penalties:** For a student's first offense, typical penalties might include, but are not limited to, the student's grade on an assignment or test being lowered (even to a zero) or the student's grade being lowered in the course in which the misconduct occurred. If a student is accused of multiple acts of misconduct where the accusations have not been resolved at the college level (and are therefore not considered "second offenses" as defined below), penalties may be more severe than is typical in first offenses and may include a suspension. A suspension normally requires a minimum of one major semester (fall or spring).
- **Second Offense Penalties:** Second offense penalties presume that a first offense has been resolved (i.e., a college has made a finding of responsibility prior to the second academic misconduct act). A penalty of suspension is generally mandated for a finding of responsibility on second offenses. The length of the suspension for a second offense generally ranges from one major semester (fall or spring) to one academic year.

**Discretion in Imposing Penalties:** Academic deans have the authority and discretion to impose a full range of penalties for both first and second offenses. Academic misconduct monitors are authorized to impose penalties up to but not including suspension and may impose penalties of suspension only if authority to do so has been delegated to them by their academic dean. In determining a penalty, the dean or misconduct monitor may take into consideration mitigating factors, such as a student's admission of academic misconduct in a timely fashion and/or other behavior consistent with acceptance of responsibility.

**Suspensions:** In cases that involve suspension as a penalty, the college in which the misconduct occurred will place a hold on the student's record to prevent further enrollment, and the Office of the University Registrar will facilitate a drop of any existing future enrollment. The college in which the offense occurred should notify the student's home college of the length of the suspension at the time of suspension.

**Expulsions:** For egregious acts and/or multiple offenses, a penalty of expulsion may be appropriate. A student permanently expelled is prohibited from reapplying to the University in the future or from earning a degree from any of its colleges or schools. If a disciplinary action results in a recommendation that expulsion is the appropriate sanction, then the matter shall be referred to the Office of Academic Affairs. The

Provost and Vice President for Academic Affairs shall review the sanction and shall make the final decision to expel after consultation with the President of the University. Because a decision to expel a student is made after consultation with the President, **a student has no right to request a review of the sanction of expulsion.**

**Timing of Penalties Being Imposed:** Penalties are not imposed until the time for filing an appeal has expired and no timely appeal was filed or after a decision on a timely appeal has been reached and no further appeals may be filed.

#### **IV. Resolution of Academic Misconduct by the Academic Misconduct Monitor**

Each academic dean appoints an academic misconduct monitor (hereinafter "monitor") to resolve an accusation(s) of academic misconduct. The monitor must have had previous classroom experience as an instructor of record at the university level. The monitor is charged with taking reasonable steps to gather evidence regarding the accusation, notifying the student of the academic misconduct accusation, giving the student an opportunity to be heard, resolving the accusation and, where appropriate, imposing a fair and equitable penalty. The monitor may identify a designee to act on their behalf. In all cases, a designee must satisfy the qualifications and act with the authority of a monitor. This section generally describes the process the monitor will follow in resolving an academic misconduct accusation.

If there is a conflict of interest with the monitor handling and/or resolving the particular matter (i.e., the monitor is also the course instructor making the accusation of misconduct), the dean will either select a substitute academic misconduct monitor to follow the process below or may choose to escalate the matter to the dean for the initial meeting. In that instance, if the dean decides the matter pursuant to this Section IV, then there will be no appeal to the dean's office; any appeal will be limited to the basis for an appeal to the Office for Academic Affairs discussed below.

##### **1. Responsibility of Course Instructor to Report Acts of Academic Misconduct**

A course instructor or any other person(s) who has reasonable cause to believe a student has engaged in an act of academic misconduct shall report the matter in a timely manner to the monitor of the division within which the alleged misconduct occurred. In most cases, the monitor should receive the report within three weeks of the student's alleged act of misconduct. The instructor will take no other action in the matter until a final decision has been reached and time for any appeal exhausted. When suspected incidents of academic misconduct occur in settings other than an academic division, the matter will be reported to and processed through the divisional academic misconduct monitor where oversight of the course occurs.

The course instructor should submit all evidence to the monitor for review. If any electronic device is confiscated by an instructor as part of the package of evidence presented to the monitor, the device will be returned promptly once pertinent information related to the accusation has been documented.

##### **B. Academic Misconduct Monitor's Response and Resolution**

###### **1. Initial Responsibilities of Monitor**

After a course instructor reports alleged academic misconduct by a student to the monitor, the monitor may discuss the circumstances involved with the course instructor and/or other appropriate person(s) and will review any pertinent materials in order to determine if a reasonable basis exists for believing that academic misconduct may

have occurred. If the monitor concludes that there is a reasonable basis for believing an act of academic misconduct may have occurred, the monitor will determine if the matter is a second offense, will place appropriate holds, and will attempt to notify the student, in writing, of the accusation and of the student's need to promptly schedule a conference with the monitor to discuss next steps.

###### **a. *Determining if an Accusation Represents a Second Offense***

Once the monitor concludes that a reasonable basis exists that an act of academic misconduct may have occurred, the monitor will determine if there are any prior academic misconduct findings for that student. If the student has previously been found responsible for academic misconduct, then the monitor will proceed with determining whether the student is responsible, but the monitor will not determine the penalty. Determination of the penalty for second offenses is reserved for the academic dean.

For second offense cases that are in progress at the beginning of a semester, a student will be allowed to enroll and continue through completion of the semester, even if the penalty for the accusation is suspension. If an academic misconduct case is underway during a student's final semester, the awarding of the degree will depend upon the resolution of the case, and, if applicable, penalties imposed.

###### **b. *Preventing Student from Dropping Course and Assigning Incomplete Grade***

Once the monitor concludes that a reasonable basis exists that an act of academic misconduct may have occurred, the monitor will promptly place a hold on the student's academic record, indicating the student cannot drop the course in which the alleged misconduct occurred. When such an accusation is made prior to the last day to withdraw from a class with a W grade, the student will not be allowed to drop the course in which the academic misconduct is alleged to have occurred until the misconduct resolution process is complete. If the student is found not responsible for the misconduct after the deadline to withdraw from the class with a W grade, the student will have five (5) business days from the date of the monitor's written notice to notify the monitor that they wish to drop that course. If the student is found responsible for misconduct by the monitor, the student will not be allowed to drop the course at any time.

If the accusation of misconduct is made prior to the end of classes for the term, the Office of the University Registrar will be notified to assign an "Incomplete" (I) grade so that the student may not withdraw from the term. If classes have ended for the term and the matter has not been finally resolved, the monitor will advise the instructor to assign the "Incomplete" (I) with the submission of final grades. The "Incomplete" (I) grade will be replaced with the student's earned grade (after application of any penalty imposed) once the proceedings set forth in this Policy are final.

###### **c. *Written Notification to the Student***

The monitor will provide written notification to the student of the accusation of academic misconduct, identifying the type of academic misconduct that is alleged to have occurred and the course in which the alleged misconduct occurred. The notification will provide a link to this Policy, recommend that the student review this Policy, and require the student to promptly contact the monitor to schedule a conference with the monitor to discuss the allegations.

Anytime written notification to the student is required in this Policy, it generally will occur via the student's UA e-mail. A text may be sent to the student's personal cell phone advising that an email has been sent, or the student may be notified by other ways deemed appropriate by the University.

## 2. When a Student Fails to Respond in a Timely Fashion to the Monitor's Request to Meet

### a. Monitor's Responsibility to Make a Timely Finding

If the student does not respond to the request to meet with the monitor within five (5) business days of the communication from the monitor, the monitor will send a second communication to the student. If the student fails to schedule a meeting with the monitor within five (5) business days from the date of the second communication, the monitor will proceed with reviewing the evidence and determining if a preponderance of evidence exists that a violation of this Policy occurred. The monitor will thereafter provide written notice to the student of their finding, with copies to the instructor and other involved parties. The monitor will also indicate in that written notification what, if any, penalty is being imposed.

If the monitor makes a finding of responsibility and imposes a penalty as a result thereof, the student will have five (5) business days from the date of the monitor's notice to request a meeting with the monitor for further review. If the student fails to request a meeting with the monitor within this five (5) day period, the student will be deemed to have waived their opportunity to meet with the monitor and/or to present evidence to the monitor. At that point, the monitor's finding of responsibility will stand and the penalty will be imposed.

### b. Student's Limited Appeal to Set Aside Monitor's Finding

If a monitor makes a finding of responsibility against a student who has failed to meet with the monitor in a timely fashion and requests to do so, the student may seek to set aside the monitor's finding by appealing to the dean within five (5) business days of the penalty being imposed. However, the grounds upon which a student may bring an appeal in these circumstances are limited to mistake, inadvertence, or excusable neglect on the part of the student that caused the student to ignore or otherwise not respond to the monitor's communications. If the dean determines, in their discretion, that a preponderance of evidence exists that the student's failure to respond was due to mistake, inadvertence, or excusable neglect, then the dean may accept the case for appeal, and the matter will be resolved by the dean. (See Section V).

## 3. Student's Conference with Monitor

The conference with the student and monitor can be held in person or electronically/virtually if the student or other involved parties are not available for an in-person meeting or if the monitor deems it appropriate. The monitor may invite the course instructor and/or other appropriate persons to join the conference. At the start of the conference, the student will be informed again of the accusation of academic misconduct, the type of academic misconduct that is alleged to have occurred, and the course in which the alleged misconduct occurred. The student will also be given a copy of this Policy and be asked to acknowledge receipt of the Policy.

### 1. Student's Rights in Conference

At the conference, the monitor will advise the student of the following:

1. The student is not required to make any statement regarding the matter under investigation.
2. The student may make a voluntary statement if they choose.
3. The student has a right to present any evidence, supporting witnesses, and other information to the monitor.
4. The student has a right to be advised and accompanied by any one person of the student's choosing. This adviser, who may be an attorney, may privately consult with and advise the student but may not question witnesses, make statements, or otherwise directly

participate in the conference. Any fees charged by the adviser are the sole responsibility of the student. The monitor may remove or dismiss a support person/adviser who becomes disruptive or does not abide by the limitations on their participation. These limitations on an advisor accompanying a student to a conference with the monitor apply equally to advisors who accompany students to appeal meetings that are discussed in Section V with the dean and in Section VI with representatives from the Office for Academic Affairs.

5. Students admitted to the University are required to meet the provisions in the English Language Proficiency Policy and must understand and speak the English language sufficiently to participate in class discussions, write multiple-page essays, read and understand assigned textbooks and course materials and comprehend lectures. If a student requests an interpreter and appropriate University officials determine that a language interpreter is either required or in the best interests of the parties, then the University will select and schedule the language interpreter.
6. With the rights listed in items 3 and 4 above, the student is entitled to request a recess in the conference for one week, or more at the sole discretion of the monitor.

### b. Possible Findings After Student's Conference with the Monitor

The monitor will preside over the conference with the student, and the provisions in paragraphs IV.B.3 a) 1. - 5. above apply during the conference. At the conference, the student will be informed of the following three possible findings:

1. **Dismissal.** The matter can be dismissed by the monitor if evidence is presented that leads the monitor to conclude that a preponderance of evidence does not exist that the student engaged in an act of academic misconduct. In that instance, the matter is concluded unless the course instructor files a timely appeal to the dean regarding the monitor's dismissal. A monitor may also dismiss and send a warning letter.
2. **Admission of Responsibility.** The matter can be concluded by the monitor at the conference level and a penalty imposed if the student makes a voluntary written admission of engaging in an act of academic misconduct. In that instance, the matter is concluded unless either the course instructor or student files a timely appeal to the dean regarding the penalty imposed by the monitor.
3. **Finding of Responsibility.** The matter can be concluded by the monitor at the conference level and a penalty imposed if the monitor concludes that a preponderance of the evidence indicates an act of academic misconduct occurred. In that instance, the matter is concluded unless the student files a timely appeal to the dean regarding the finding of responsibility and/or penalty or the course instructor files an appeal to the dean regarding the penalty imposed by the monitor.

## 4. Written Notification of Finding by Monitor

The student will be given written notice of the monitor's finding and, if applicable, of the penalty(ies) to be imposed. Copies of this notice will also be sent to the instructor. The monitor may seek the advice of the course instructor prior to assigning a grade penalty. However, the monitor is not obligated to follow the instructor's recommendation, because a penalty is being assigned rather than an evaluation of academic work. If the course instructor does not approve the grade penalty recommendation, the course instructor has the option of filing an appeal to the academic dean (or dean's designee).

## V. Appeal to Academic Dean

The dean may identify a designee to act on their behalf. In all cases, a designee must satisfy the qualifications and act with the authority of the dean. In colleges in which a monitor may also serve as a dean's designee, the dean will ensure that the dean's designee handling the matter/appeal on behalf of the dean is never the monitor whose decision is being appealed or reviewed.

### 1. Five Days to Appeal Monitor's Decision to Dean

A monitor's finding will be forwarded to the academic dean by the monitor if, within five (5) business days from the date of the written notification of the monitor's finding, either the student or the course instructor notifies the monitor and the dean that they wish to appeal the monitor's finding of responsibility and/or penalty, including dismissal.

### B. Decision of Dean & Notification of Decision

The dean may act alone or in conjunction with a standing divisional committee to review the appeal, but the dean shall make the appeal decision. The academic dean may confer with the course instructor, the student, the monitor and any other appropriate persons to discuss the matter in question. The dean may arrange an individual or group conference to discuss the matter or can act on the evidence already provided in the appeal documents by the course instructor, monitor and student. At the dean's discretion, conference(s) may be held in person or electronically/virtually.

Notice of the dean's appeal decision will include a statement of any changes to the monitor's decision and/or penalties imposed. This written notice will be sent to the student with copies to the instructor, other involved parties (with a legitimate need to know and consistent with FERPA), and the monitor. If grade penalties are revised, the dean will notify the appropriate University officials, who will adjust the grade penalty when the decision is deemed final (i.e., when the appeal is concluded or time for appeal has run).

### C. Time for Appeal to Office for Academic Affairs

The student or the instructor may appeal the dean's decision to the Office for Academic Affairs if the appeal is filed within five (5) business days of the date of the dean's appeal decision. After five (5) business days, appeals are not accepted. If no appeal is filed, the decision of the dean is final, and the penalty, if any, is imposed.

## VI. Appeal to Office of Academic Affairs

The Provost may identify a designee to act on their behalf. In all cases, a designee must satisfy the qualifications and act with the authority of the Provost. Appeals to the Office for Academic Affairs may only be based on substantive grounds such as procedural errors, new evidence, or inconsistencies in penalties assigned. When an appeal is received by the Office for Academic Affairs, the Provost will review the appeal to ensure that these limited substantive grounds have been articulated. If the appeal meets the criteria or is unclear, the Provost may schedule a conference(s) with the student and other concerned parties to discuss the reasons for the appeal. If these meetings result in an agreeable solution to the matter, the appeal process will end.

If no such solution is reached, the Provost will make the decision on whether the appeal should be heard or denied. The appeal will not be granted unless there are substantive grounds, such as those noted above, to support the appeal. If the Provost denies the appeal, the appeal process will end. If the appeal is to be heard, the Provost will convene a panel to resolve the issues that remain.

The panel will consist of a person designated by the Vice President for Student Life, a person designated by the Provost, one student (appointed by the president of the SGA), and one course instructor (appointed by the president of the Faculty Senate). Both the student and the course instructor designees will come from the division holding jurisdiction for resolving the alleged misconduct if it is possible to find such people who have no prior connection with the case. In cases involving graduate students, the faculty and student members of the appeals panel should hold graduate faculty or graduate student status, respectively. The person designated by the Provost will serve as hearing administrator and will coordinate and preside at all meetings conducted to resolve the academic misconduct appeal.

The hearing by a panel is an administrative hearing, and the proceedings will be informal rather than those used in courts of law. The panel may admit any evidence that is of probative value in determining the issues, subject to the panel's judgment as to the relevance, credibility, and weight of the evidence. The panel may ask the parties to produce evidence on specific issues, may examine witnesses, and may call and examine its own witnesses. The party requesting the hearing may be accompanied and advised by any one person of the party's choosing. This adviser, who may be an attorney, may privately consult with and advise the client but may not question witnesses, make statements, or otherwise directly participate in the conference by discussing the alleged misconduct; only the client may participate in the hearing in this manner. Any fees charged by the adviser are the sole responsibility of the party who invited the adviser. The hearing administrator may remove or dismiss an adviser who becomes disruptive or who does not abide by the participation limits.

The panel will decide each of the issues raised in the appeal. The panel's decision will be final and will conclude the University's process. A decision contrary to the student's position must be supported by the votes of at least three of the four panel members. The panel will give written notice of its decision(s) to the student, the course instructor, the dean, and the Provost.

Written notice of the panel's decision to uphold the decision of the dean (or dean's designee) or to make changes to the findings and/or penalties will be provided to the student with copies to the instructor, dean, and other involved parties.

## VII. Records

Disciplinary sanctions, with the exception of University expulsion, shall not be made part of the student's permanent academic record (official transcript). Records documenting investigations and/or disciplinary actions taken against University students charged with academic misconduct shall be input into a centralized online software system and maintained for as long as required pursuant to the University's record retention schedule.

## Records Policy for Students with Uncleared Financial Obligations Students with Returned Checks

A student who is withdrawn from the University due to returned checks may not be reinstated for the current term, and all financial obligations to the University must be cleared before the student will be permitted to enroll for a subsequent term. Students who are withdrawn from their courses based on these circumstances will have grades of "W" entered on their transcripts.

## Other Students

Students whose financial obligations to the University are not the result of returned checks will not be withdrawn, but they will be subject to the following policies:

- Grades will be assigned by faculty members and will be entered in the student's academic transcript.
- Transcripts will not be released until financial obligations to the University are cleared.
- A student's enrollment will not be confirmed until the financial obligations have been resolved.
- When all financial obligations are resolved, the student is again eligible to request transcripts.

## Student Responsibility

Thorough knowledge of the academic regulations and policies of the University and its academic divisions is essential for all students. Each student is expected to become familiar with The University of Alabama undergraduate catalog and to consult with the academic advisors provided by the student's division.

Each student is responsible for selecting and registering for the courses that

1. are needed to maintain reasonable progress toward the desired degree,
2. will satisfy all requirements for the desired degree by the time the student expects to graduate, and
3. conform to University regulations.

Students are expected to pursue successful completion of the courses for which they register.

Students are also responsible for the following:

- The student must maintain a current mailing address and a local residence address on file. Students may make address and phone number updates in myBama.
- The student living on campus (Greek house or residence hall) must complete the Missing Student Contact Information in myBama.
- The student must respond promptly to all communications received from The University of Alabama.
- The student is responsible for developing and maintaining an academic plan and monitoring his or her academic progress via DegreeWorks, the University's degree audit application.

## Administration

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- Ex Officio President of the Board of Trustees

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## Academic Divisions of the University College of Arts and Sciences (1910)

- Joseph P. Messina, Dean

**Culverhouse College of Business (1919)**

- Kay M. Palan, Dean

**College of Communication and Information Sciences (1973)**

- Mark D. Nelson, Dean

**College of Community Health Sciences (1971)**

- Richard Friend, Dean

**College of Continuing Studies (1919)**

- Robert Hayes, Interim Dean

**College of Education (1909)**

- Peter S. Hlebowitsh, Dean

**College of Engineering (1909)**

- W. Edward Back, Interim Dean

**Graduate School (1924)**

- Susan Carvalho, Dean

**Honors College (2003)**

- Tara Williams, Dean

**College of Human Environmental Sciences (1931)**

- Stuart Usdan, Dean

**School of Law (1872)**

- Mark E. Brandon, Dean

**Capstone College of Nursing (1976)**

- Suzanne Prevost, Dean

**School of Social Work (1965)**

- Schnavia Smith Hatcher, Dean

**Admissions**

The admission process is accomplished by completing the appropriate application for admission and furnishing the required credentials. You may apply online at [apply.ua.edu](http://apply.ua.edu). For questions, please contact The University of Alabama, Office of Undergraduate Admissions via email [admissions@ua.edu](mailto:admissions@ua.edu); call 1-800-933-BAMA or 205-348-5666; write to The University of Alabama, Office of Undergraduate Admissions, Box 870132, Tuscaloosa, AL 35487-0132; or visit the website at [gobama.ua.edu](http://gobama.ua.edu).

More specific requirements for freshman, undergraduate transfer, transient, special or international student admission appear in the sections that follow. Some University of Alabama academic divisions may have different policies or requirements regarding admission; see the appropriate division's section of this catalog for details.

**General Requirements**

The University of Alabama employs a competitive freshman admission process that includes reviewing and evaluating each application on an individual basis for an applicant's abilities as a scholar. Decisions about the potential for a student's academic success are based on ACT/SAT performance, high-school grade point average and high-school course schedule. A writing score is not required but can be reviewed if a student does not meet regular admissions standards as set forth by the ACT/SAT and GPA requirements. Applicants for freshman admission must submit official copies of their high school transcripts. Transfer applicants must

submit official transcripts of all college-level work attempted. Currently, there is a \$40 nonrefundable application fee for freshman and transfer students. If admission is denied, the Office of Undergraduate Admissions may suggest alternative ways to meet admission criteria at a later time.

Applications for freshman admission are accepted as early as one year prior to the anticipated date of enrollment. Applications for transfer admission are accepted as early as two years prior to anticipated date of enrollment. After an evaluation of the applicant's credentials, admission is granted into various categories, depending on the strength of the applicant's academic background. Once admitted, a student may enroll in courses for their admitted term and must submit a final transcript. For this reason, prospective students should ensure that their application credentials are submitted to the Office of Undergraduate Admissions as early as possible.

An Immunization Form, to include proof of current measles (MMR) and meningitis vaccinations and a negative TB skin test, must be completed by a licensed health care professional and submitted prior to enrollment for classes. The immunization form can be downloaded from [shc.ua.edu/immunizations/](http://shc.ua.edu/immunizations/).

More specific requirements for freshman, undergraduate transfer, transient, special or international student admission appear in the sections that follow. Some University of Alabama academic divisions may have different policies or requirements regarding admission; see the appropriate division's section of this catalog for details.

**Home-Schooled Students**

The University of Alabama welcomes applications from students who are schooled in the home. Home-schooled applicants should meet the following requirements for admission:

1. Home-schooled applicants should meet the ACT/SAT requirement, as well as the grade point average (GPA) requirement and the college preparatory curriculum minimum unit requirements, if they present certified transcripts at the completion of their programs. A writing score is not required but can be reviewed if a student does not meet regular admissions standards as set forth by the ACT/SAT and GPA requirements. Refer to the "Freshman Admissions" tab and review Preparation for College-level Work and Minimum Requirements for Admission.
2. Students who do not present certified transcripts must take the GED and meet the admission requirements as outlined in The University of Alabama GED Admission Policy. See Non-graduates of High School (p. 377) section of Special Programs.

**Transfers within the University**

Procedures governing transfers between academic divisions of the University are administered by the Office of the University Registrar. For further information, please refer to the Transfers Within the University section of this catalog.

**Freshman Admission****Freshman Orientation and Registration**

An orientation/registration program (Bama Bound) is provided for all new freshman students to assist with the transition to college. Information about orientation and registration is sent to admitted students.

For all new undergraduate students, initial math placement will be based on ACT or SAT math score or previous college mathematics credit. If a student does not have one of these or wishes to try to improve his or her



placement, the student may take the online math assessment. Foreign language placement is determined by several factors. These factors include the following: the number of high-school units completed; language placement examination scores; or, for those with native or heritage competency, faculty evaluation. Students with more than two high school units of French, German, Spanish, or Latin should take a placement examination by logging in to their mybama account, under Admissions/Scholarships tab, in the box titled Undergraduate Admissions, look for "Foreign language assessment." All assessments should be completed one week prior to Bama Bound.

Each orientation session gives students the opportunity to learn about the University, as well as academic programs and services offered to students. Students also enroll in classes for their first term at the University. Several orientation sessions are provided each year. For more information, visit [orientation.ua.edu](http://orientation.ua.edu).

Distance Learning students should contact Bama By Distance at [uadistance@ua.edu](mailto:uadistance@ua.edu) for registration information.

## Preparation for College-Level Work

The University of Alabama Core Curriculum, required of all graduates, provides the foundation of every undergraduate degree program at the University. In addition to providing a solid understanding of the subjects covered, the core curriculum acquaints students with the ways knowledge is created.

The core curriculum includes academic courses in writing, humanities, fine arts, social sciences, natural sciences (including laboratory experience), and mathematics; it also requires knowledge of a language other than English. To prepare for the core curriculum, applicants are encouraged to take maximum advantage of their high school experiences by accumulating as many academic units as is practical.

## Minimum Requirements for Admission

In terms of educational preparation, the college preparatory curriculum minimum unit requirements for regular admissions are:

English	4 units
Mathematics	3 units, including algebra I, algebra II, and one unit of either geometry, trigonometry, or calculus
Social Studies	4 units
Natural Science	3 units, including 2 units with a laboratory
Foreign Language	1 unit, if foreign language is not a graduation requirement or there is not a foreign language program in your school system, UA will accept courses that reflect an enhanced understanding of global and cultural perspectives.
Other academic courses	5 units (courses recommended are in fine arts or computer literacy, with additional courses in mathematics, science and foreign language)

The course/unit requirement also applies to transfer students who have completed fewer than 24 semester hours or 36 quarter hours of college-level courses.

The University of Alabama will not require standardized ACT or SAT scores from students applying through the Fall 2022 Semester. The presence of a score will not create an unfair advantage or disadvantage to students applying for admission. If you are unsure whether or not to submit a standardized test score, contact your high school counselor or UA recruiter.

For students who do not wish to submit a score:

- If you indicate that you do not want your test scores included in the review of your application for admission, you may still submit test scores for automatic merit scholarship consideration.

For students who wish to submit a score:

- If you indicate that you want your test scores included in the review of your application for admission, your application will remain incomplete until official test scores are received from ACT/SAT.
- For admission consideration UA will use the highest section score from any test dates of the same exam.
- For automatic merit scholarship consideration UA will use composite scores only.

For students applying for the spring, summer and fall of 2023, The University of Alabama currently plans to allow students the option to submit standardized test scores as part of the test optional pilot program. All updated undergraduate admission requirements for the 2023 cycle, including policies on standardized tests, will be finalized by June 1, 2022.

## Special Programs

### Early Admission

Students who have exceptionally high grades (B+ or higher grade point average) and at least a 28 ACT or a 1310 SAT (Evidence-Based Reading and Writing and Math) and who have strong endorsements from their high school principal, guidance counselor, and parents or legal guardians may be considered for admission without completing their senior year of high school.

### Concurrent Enrollment

Students who meet the necessary requirements may attend The University of Alabama while still in high school. Students in area high schools may enroll as concurrent high school students/University freshmen. Typical students admitted to this program have a 'B+' GPA, at least a 26 ACT or 1240 SAT (Evidence-Based Reading and Writing and Math) and the recommendation of their high school principal or guidance counselor and parents or legal guardians. Students take coursework in areas for which they have adequate preparation and the approval of their principal and/or counselor.

### Dual Enrollment/Dual Credit Agreement

The University participates in dual enrollment/dual credit programs with local boards of secondary education. Through these programs, certain high school students are allowed to enroll in college-level courses in order to earn credits that apply to both undergraduate degrees and high school diplomas. Students are eligible under the following conditions:

1. The student must be in grade 11 or 12 or have an exception granted by UA based on the written recommendation of the student's principal and the local superintendent of education and in accordance with Alabama administrative code regarding gifted and talented students.
2. The student must have a 'B+' average, as defined by local board policy, in completed high school courses.
3. The student must meet the entrance requirements established by UA.

Students who are currently in high school and have concurrent college credit, or dual enrollment credit, are not considered transfer students. Students must have one official transcript sent to the Office of the

University Registrar directly from each college or university previously attended.

## Non-graduates of High School

Admission may be granted to non-graduates of high school who are 18 years of age and have been out of high school for a minimum of one year. Applicants must score a minimum of 510 on the old General Educational Development (GED) Test or a minimum of 150 on the current GED test and submit acceptable ACT or SAT scores. Applicants 23 years of age and older are required to score a minimum 510 on the old GED test or a minimum of 150 on the current GED test. In addition, they may be required to submit ACT or SAT scores for advising purposes.

## Transfer Admission

Applicants who have attended other colleges or universities are considered transfer students, regardless of the period of enrollment or amount of credit earned. Students who are currently in high school and have dual enrollment or concurrent college credit are not considered transfer students. Students seeking to transfer to The University of Alabama must meet the following requirements:

- Students must have one official transcript sent directly to the Office of the University Registrar from each college or university previously attended. Faxed and/or emailed transcripts are not considered official transcripts.
- Students who have completed fewer than 24 semester GPA hours (or 36 quarter hours) of collegiate work must also submit official copies of their ACT or SAT scores and final high-school transcript to the Office of Undergraduate Admissions. Documents must be sent directly from the testing agency and/or high school to be considered official.
- An average cumulative GPA of 2.0 or higher on a 4.0 scale for all college-level work attempted is required for admission. UA accepts transfer work from postsecondary institutions that are fully accredited by regional accrediting agencies. College-level work does not include vocational, technical, or remedial/developmental course work. Some divisions may set slightly higher GPA and/or hour requirements in order to register for upper division courses. Students who are unable to return to the last collegiate institution they attended will be considered on a case-by-case basis. Additional documentation may be requested.

## Transferring from Two-year Colleges in Alabama

Students transferring from two-year colleges in the Alabama Community College System may contract with UA under STARS (Statewide Articulation Reporting System). The STARS program will guarantee the transfer and applicability of the two-year college credit under the following restrictions:

- This agreement will be honored for a period of four years from the date of the agreement. The student will be required to satisfy the requirements for graduation as described in the undergraduate catalog in effect at the time of execution of this agreement. However, UA may change such requirements if the student is given a reasonable opportunity to comply with the changed requirements. The student may choose to comply with the requirements in effect at the time of transfer.
- Under this agreement, the student must be officially admitted and enrolled at UA immediately following his or her tenure at the two-year college at which the contract was initiated. Should the student

enroll in another post-secondary institution during the interim, this agreement is void.

This agreement is subject to termination should changes in UA requirements be initiated by any agency outside University control. Such agencies include, but are not limited to, the State Department of Education, ACHE, SACS, NCATE, CLN, AACSB, ABET, and other accreditation agencies.

## Conversion of Credits

The University of Alabama is on the semester system. Credits earned as quarter hours will be evaluated as semester hours. One quarter hour is equal to two-thirds of one semester hour; for example, a five-quarter-hours course equals three and one-third semester hours. However, when a student is seeking to transfer credit that will be applied toward degree requirements, final authority for evaluating that credit rests with the academic division, which may use a different formula.

## Transfer Student Orientation and Registration

Participation in an orientation session (Bama Bound) is required of each newly admitted transfer student. Considerable assistance is available at each session, and the groups are kept small to encourage individual attention. For more information, visit [orientation.ua.edu](http://orientation.ua.edu).

Distance Learning students should contact Bama By Distance at [uadistance@ua.edu](mailto:uadistance@ua.edu) for registration information.

## Admission of Special Category Students

### Adult

Applicants who graduated from high school at least four years prior to the date of anticipated enrollment may be admitted to the University without the ACT or SAT, provided their high school GPA is 2.5 or higher on a 4.0 scale. However, for placement purposes, the ACT or SAT may be required of all students who are enrolled.

### Auditor

Applicants who wish to attend credit courses as auditors must follow standard admission procedures. They must be registered for the courses, must pay all required fees, are expected to attend all class meetings and must conform to all requirements of the instructor of the course. In certain cases, admission as an auditor may be granted without satisfaction of normal admission requirements; however, the University reserves the right to establish appropriate standards for such enrollment. Auditors may not receive credit applicable to the requirements for degrees.

## Dean's Admission

The deans of the University may, upon appeal, waive or modify conditions of admission for individual freshman and transfer applicants.

## Crimson EDGE (Education Guarantees Excellence)

This two-semester program helps students manage the transition to a university academic environment. Students in this category are not on probation but are limited to 15 credit hours during their first semester and must enroll in an academic support class.

## Irregular Postgraduate

Applicants with baccalaureate or advanced degrees may be admitted on the basis of the appropriate degree. Standard admission procedures are followed.

## Special Admissions

Undergraduate applicants who are denied admission to the University may appeal the admission decision if they have academic achievements, personal achievements, or special circumstances that were not considered when the admissions decision was made. Applicants must contact the Office of the Assistant Vice President for Enrollment Management for additional information.

## Special Student

Special student enrollment is a non-degree status. Special students may apply for admission as degree-seeking students by requesting a change of status and by meeting regular admission requirements. Students who have never enrolled in college are generally expected to have been out of high school for two or more years before enrollment at the University as special students. Students who are currently on academic probation or under academic suspension imposed by another college and who have not been enrolled in school for two years may be admitted with special permission. Enrollment in specific courses will be on a space-available basis. If a course has prerequisites, permission must be granted by the instructor before enrollment in the course. To continue as a special student beyond one academic year of continuous enrollment, after a break in enrollment, or beyond 12 semester hours of earned credit, permission must be granted by the dean of the school or college in which the special student is enrolled.

## Transient Student

Admission as a transient (visiting) student may be granted for any term. Standard application procedures must be followed. Approval may be given on the basis of an official statement of good standing from the last institution attended. Transient status may be granted for only one term.

\*For registration purposes; in order to avoid registration delay, please send documentation that the prerequisite is completed if required for the course(s) to be taken at UA.

## Admission of International Students

### Incoming Freshmen Graduating from Schools Outside the U.S.

The University of Alabama employs a competitive admission process that includes reviewing and evaluating each application on an individual basis for an applicant's abilities as a student and a scholar.

The undergraduate international admissions office will review the students' transcripts within the context of the school, curriculum, and country. Successful candidates to The University of Alabama will have completed a college preparatory curriculum including:

Code and Title	Hours
Language: 4 units	
Mathematics: 3 units, including algebra I, algebra II, and one unit of either geometry, trigonometry or calculus	
Social Studies: 4 units	
Natural Science: 3 units, including 2 units with a laboratory	

Other academic courses: 5 units (courses recommended are in fine arts or computer literacy, with additional courses in mathematics, science and foreign language)

To prepare for admission to UA, applicants are encouraged to take maximum advantage of their high school experiences by accumulating as many academic units as is practical.

GPA will be calculated on ALL coursework, not just core subjects. The University considers applicants with a cumulative GPA of 3.0 on a 4.0 scale for admission.

For academic admission, students must meet the English proficiency requirement. For detailed policy requirements, please visit: <https://admissions.ua.edu/international/english-language-proficiency/>

Students who meet the academic and financial qualifications, but do not meet the English proficiency requirement may apply for conditional admission. Conditionally admitted students will begin their studies in the English Language Institute and then enter directly into their academic coursework once they have satisfied English proficiency. For more information about conditional admission, visit: <https://admissions.ua.edu/international/conditional/>

SAT/ACT are not required for admission for students graduating from overseas schools, but will be required for applicants who would like to be considered for scholarships.

Students requiring F-1 and J-1 visas must also send documentation in order to secure an I-20 / DS-2019.

### Incoming International Freshmen Graduating from a U.S. High School

International freshmen graduating from U.S. high schools must meet the same admissions criteria as domestic applicants. Please review the admission requirements here.

In addition to meeting the admission requirements, international students graduating from U.S. schools seeking an F-1 or J-1 visa must submit their I-20 / DS-2019 request form and proof of finances before a Form I-20/ DS-2019 can be issued. For more information, please read the Securing an I-20 / DS-2019 page.

### International Transfer Students

#### Transfer in U.S.:

To transfer to UA from a U.S. college or university, the student will need the current school to submit an official copy of the college transcripts either electronically or via post. If the student has completed 24 or more credits (about 1 year of college courses), then the student will apply as a transfer student.

To be admitted to UA as a transfer student, a student must have earned an overall GPA of "C" (2.00 on a 4.00 scale) or higher on all university-level work attempted. GPA will be calculated on ALL coursework, not just core subjects.

If the student has completed fewer than 24 credit hours at the university level, then the student will need to apply as a transfer student with fewer than 24 hours. In this instance, we will also need to see copies of the student's high school diploma and transcripts. Applicants with fewer than 24 earned credit hours of university-level coursework will also need to meet the freshman admission requirements as listed above.

Please note that technical, remedial, vocational, and ESL classes are not accepted.

## Transfer outside U.S.:

Any applicant with post-secondary study completed outside the U.S. is required to submit those credentials for a course-by-course evaluation to an accredited evaluation agency.

UA will accept evaluations from any NACES member agency, <http://www.naces.org/members.htm>.

Applicants that wish to receive transfer credit from an overseas post-secondary institution must provide course descriptions or syllabi for **EACH** subject considered for transfer. These descriptions should include a list of required readings, the number of class hours required for each course, and the length of the academic term(s) when enrolled. Since the academic departments at UA determine whether credits earned abroad will be accepted as equivalent to courses offered at UA, credit is awarded on a subject-by-subject basis.

Please note that admissions decisions will be made by the international admissions team, but credit transfer decisions are made by the department. Questions regarding credit transfer should be addressed to the academic department.

In addition to meeting the admission requirements, international students requiring an F-1 or J-1 visa who are transferring from another U.S. institution should have their SEVIS record transferred to UA. Contact Capstone International Services for questions about this process.

Students transferring from outside of the U.S. requiring F-1 and J-1 visas must also send documentation in order to secure an I-20 / DS-2019.

## Transient Students

International transient students are international students who are currently studying at another U.S. university, and would like to take classes at UA as a visitor. Admission as a transient (visiting) student may be granted for any term. Transient status may be granted for only one term. Students must apply online and adhere to all international application deadlines. As part of the application, all international students must submit a copy of their passport and any current visa.

Approval may be given on the basis of an official statement of good standing from the current institution's office of the registrar, OR an official copy of a transcript showing good standing progression of academic courses. International students must also have a letter of transfer credit approval from the current institution's immigration advisor.

Please note, all application materials must be received by the application deadline for the term applied for. <https://admissions.ua.edu/international/special-groups/>

## International Student Orientation and Registration

International students are required to attend an additional International Student Orientation and Check-In by the Capstone International Services office. In this check-in and orientation, the International Services office will make copies of documents for their files. Please bring a copy of the following documents:

- Passport
- F-1 I-20 or J-1 DS-2019
- I-94 Arrival/Departure Record (if a student has an electronic I-94 card and not a paper card, please print a copy of the current card from <https://i94.cbp.dhs.gov/i94/#/recent-search>)
- Any other immigration documents

- If there is a spouse or children, also bring their documents for check-in

For more information about International Check-In and Orientation dates, please visit: <http://international.ua.edu/iss/future-new-students/check-in-orientation/>

In addition to International student orientation, Freshman and Transfer international students should register and attend the last available dates of Bama Bound new student orientation. The last dates of Bama Bound are within the time frame that international students are allowed to enter the U.S. on their student visas. Each orientation session gives students the opportunity to learn about the University, as well as academic programs and services offered to students. Students also enroll in classes for their first term at the University. Several orientation sessions are provided each year. For more information, visit [orientation.ua.edu](http://orientation.ua.edu).

Students who are admitted conditionally to the University will NOT register and attend Bama Bound orientation until they have completed their English language courses in the English Language Institute.

## English Placement for Non-native Speakers of English

To ensure that new international undergraduate students have the greatest chance of success at UA, those students with low sub-scores on the TOEFL iBT or IELTS will be required to enroll in an English language course in their first semester of study.

Who Is Required to Enroll in English Courses?

- If a student's TOEFL iBT Writing sub-score is lower than 18 or IELTS writing score is lower than 6.0, or Duolingo overall score is lower than 120, the student must enroll in the credit bearing Undergraduate Academic Writing course through the English Language Institute (ELI) in addition to other undergraduate courses.
- If a student's TOEFL iBT Speaking score is lower than 18 or IELTS speaking score is lower than 6.0, or Duolingo overall score is lower than 120, the student must enroll in a credit bearing Undergraduate Academic Speaking course through the English Language Institute (ELI) in addition to other undergraduate courses.

Exemptions from the English Course Requirement

- Students are exempt from the Undergraduate Academic Writing course requirement if their Writing sub-scores are 18 or higher on the TOEFL iBT or 6.0 or higher on the IELTS on the writing/speaking sections, a 120 or higher overall Duolingo score, or if they have completed ELI Reading/Writing 6.
- Students are exempt from the Undergraduate Academic Speaking course requirement if their Speaking sub-scores are 18 or higher on the TOEFL iBT or 6.0 or higher on the IELTS on the writing/speaking sections, a 120 or higher overall Duolingo score, or if they have completed ELI Speaking/Listening 6.
- Students are exempt from both the Undergraduate Academic Writing and Undergraduate Academic Speaking course requirements if they have an ELI Proficiency Certificate or if they were admitted to UA with an English proficiency waiver.

Students who are required to enroll in either Undergraduate Academic Writing or Undergraduate Academic Speaking courses must complete this coursework in their first year of attendance and must complete all coursework before enrolling in EN 120/EN 121.

Students will be notified during International Student Check-in and Orientation if they must enroll in either Undergraduate Academic Writing or Undergraduate Academic Speaking and will be directed to the English Language Institute (ELI) for placement and registration on the day of International Student Check-in and Orientation.

## Academic Second Opportunity

An undergraduate student who has been separated from The University of Alabama for at least three academic years may petition the dean of his or her college to apply for readmission through Academic Second Opportunity. The petition must be received in the dean's office prior to the last day of class for the semester in which the student returns to the University. If the petition is approved, the student will be readmitted regardless of previous scholastic performance, unless separation from the University resulted from academic misconduct. In cases of academic misconduct, readmission will be reviewed by the academic dean (or his or her designee) for the school or college in which readmission is sought.

If the application for Academic Second Opportunity is accepted, all previous academic work remains on the student's permanent record, but the grades for previous institutional work are not used in computing the GPA. Grades of "C" or higher earned during previous attendance at the University are computed as "passing hours" (P) and may be applied to major program, distribution, and graduation requirements. Grades of "D" earned during previous attendance may not be applied to major program, distribution, or graduation requirements. A notation will be added to the student's transcript to denote the Academic Second Opportunity and the approval date. Academic Second Opportunity will apply only to grades earned in courses completed at The University of Alabama and will not apply to coursework transferred from other institutions.

The student then pursues his or her academic program with no University of Alabama GPA, and thereafter is subject to the conditions of warning, probation, and dismissal that govern all students. The student must complete a minimum of 15 hours in residence at The University of Alabama after Academic Second Opportunity has been awarded to be eligible for degree completion. Once invoked, Academic Second Opportunity cannot be revoked and it may be awarded only once and may not be awarded retroactively.

A student who has a degree from another institution but was previously a student at UA or who has a degree from UA is not eligible for consideration.

## High School Services

The Office of Undergraduate Admissions assists high school principals, counselors, and teachers in the planning and development of enrichment programs in a number of high school subjects, including art, forensics, foreign languages, health and physical education, journalism, music, and the sciences. Workshops, clinics, institutes, skills demonstrations, conventions, and conferences, held both regionally and on the University campus, are developed cooperatively by school leaders and representatives of The University of Alabama faculty and the Office of Undergraduate Admissions.

## Academic Common Market of the Southern Regional Education Board (SREB)

The Academic Common Market (ACM) is a tuition scholarship program that enables selected students to pursue out-of-state college degrees

at discounted tuition rates through agreements among the states, colleges, and universities. The ACM is designed for qualified first-time freshmen, first-time graduate students, and first-time transfer students. The purpose of the Academic Common Market is for states to share specified academic degree programs located at Southern public colleges and universities. This is accomplished through an exchange of students across borders at in-state tuition rates. The Southern Regional Education Board (SREB) coordinates the ACM, and through this program, students wishing to study in majors not available in their home states may be able to attend out-of-state universities that agree to pay the out-of-state portion of their tuition. Approximately 30 of UA's degree programs participate in the ACM.

For more information regarding program eligibility, participation qualifications, and the ACM application process, please visit [gobama.ua.edu/academic-common-market](http://gobama.ua.edu/academic-common-market).

## Military Leave

A student who has been admitted to or enrolled at The University of Alabama as an undergraduate student may ask for a military leave to fulfill a U.S. military obligation. The student should notify the Office of the University Registrar of a call to military service, provide documentation, and notify this same office of intent to return to the University. If there is no dishonorable or bad conduct discharge from the military, and the cumulative length of this absence and all previous absences from undergraduate study due to military service does not exceed five years, the student will be readmitted. This is in accordance with the readmission provisions in the Higher Education Opportunity Act of 2008 (Section 484C of the HEA) and implementing regulations in 34 CFR Section 668.18.

## State Authorization

The University of Alabama seeks to deliver degree programs and course offerings in every state, working through the National Council for State Authorization Reciprocity Agreement (NC-SARA) where applicable, or directly with states to ensure that required approvals are secured. The state of Alabama is a member of NC-SARA and The University of Alabama is an approved NC-SARA institution. For more information about NC-SARA, please visit NC-SARA.

The University of Alabama offers degree programs and individual courses that may require approval for supervised field experiences outside of the state of Alabama. A supervised field experience is a student learning experience comprised primarily of the practical application of previously studied theories and skills, with the oversight of a supervisor, mentor, faculty member, or other qualified professional. Examples include clinical, practica, student teaching, or internships. Independent off-campus study by individual students not engaged in a supervised field experience is exempt. This requirement applies both to online programs and to main campus programs if the supervised field experience occurs outside of the state of Alabama. Prior to engaging in any supervised field experience outside of the state of Alabama, please refer to [StateAuthorization.ua.edu](http://StateAuthorization.ua.edu) for detailed requirements.

Additionally, The University of Alabama offers degree programs that may lead to professional licensure, and licensure requirements vary from one profession to another and from state to state. If you are interested in obtaining professional licensure, please check with the appropriate licensing body in the state where you intend to practice. Additional information can be found at [ProfessionalLicensure.ua.edu](http://ProfessionalLicensure.ua.edu).

## Introduction

The University of Alabama Fall 2022–Summer 2023 Academic Catalog was produced by the Office of the University Registrar in conjunction with the Office for Academic Affairs.

Although the publisher of this catalog has made every reasonable effort to attain factual accuracy herein, no responsibility is assumed for editorial, clerical, or printing errors, or errors made by honest mistake. All information contained in this catalog is subject to change by the appropriate officials of The University of Alabama without prior notice.

## Philosophy of an Undergraduate Education at The University of Alabama

The University of Alabama offers a comprehensive range of baccalaureate programs in the arts and humanities and in social, scientific, pre-professional, and professional fields for students of all ages. The aims of the baccalaureate degree are to develop skills required for each graduate to acquire, analyze, synthesize, evaluate, create, and apply interdisciplinary knowledge. Such skills include effective communication, recognizing and appreciating diversity, and ethical approaches to problem solving. This degree is designed to cultivate lifelong learning, critical thinking, and intellectual growth and also to provide a foundation for a healthful life and for active citizenship in a complex, diverse, and global society. The core curriculum is an essential component in achieving these aims, as it establishes a common foundation toward these goals.

## Equal Opportunity in Education and Employment

UA complies with applicable laws prohibiting discrimination, harassment, and retaliation, including but not limited to Titles VI and VII of the Civil Rights Act of 1964, the Age Discrimination in Employment Act, Executive Order 11246, Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, the Vietnam Era Veterans' Adjustment Assistance Act, as amended by the Jobs for Veterans Act of 2002 (VEVRAA), the Uniformed Services Employment and Reemployment Rights Act of 1994 (USERRA), the Age Discrimination Act of 1975, the Americans with Disabilities Act (ADA) of 1990, the ADA Amendments Act of 2008, and the Genetic Information Nondiscrimination Act of 2008.

Consistent with those laws and UA's Title IX and Sexual Misconduct, Harassment and other policies, UA prohibits discrimination on the basis of genetic or family medical history information, race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, pregnancy, age, disability, protected veteran status, or any other legally protected basis in admission or access to, or treatment of employment in, its programs and services. These prohibitions against discrimination apply to recruitment, application, selection, hiring, appointment, transfer, demotion, promotion, tenure, job assignments, classification, compensation, benefits, leaves of absence, sick leave or any other leaves, job training and development, tuition assistance, participation in UA-sponsored educational, social, and recreational programs, discharge, layoff, and/or any other term, condition or privilege of employment.

Inquiries or concerns regarding UA's Title IX compliance or all other inquiries and concerns related to illegal discrimination, harassment, or retaliation including those regarding Section 1557 of the Affordable Care Act may be directed to UA's Executive Director of Equal Opportunity and Title IX Programs, Ms. Beth Howard, 2418 Capital Hall, Box 870259, Tuscaloosa, AL 35487-0259, 205-348-5496 (Voice), 205-348-5573 (TDD), gbhoward@ua.edu.

This statement is part of the Equal Opportunity, Non-Discrimination, and Affirmative Action Policy Statement (<https://fa-webprod.fa.ua.edu/UAFASPOnlinePublic/804c2645-66d2-4035-87fe-4f4c0e88f646/Equal%20Opportunity%20Non-Discrimination%20and%20Affirmative%20Action%20Policy%20Statement.pdf>).

## University of Alabama Bloodborne Pathogen Policy

The University of Alabama bloodborne pathogen policy, approved in February 1993, requires each administrative unit of the University to conduct a risk-appraisal survey each year to identify employees and students at risk for occupational or student academic exposure to bloodborne pathogens. All units in which students or employees are at risk must then develop an exposure control plan. Employees and students at risk are required to receive the hepatitis B vaccination series, submit proof of immunity to the hepatitis B virus (or proof of vaccination), or sign a statement declining the vaccine. Employees and students who are at risk are also required to receive training about bloodborne pathogens. For further information about this policy, contact The University of Alabama, Office of Environmental Health and Safety at 205-348-5905.

## Campus Security Report

Each year, The University of Alabama publishes the UA Annual Campus Security and Fire Safety Report. It contains crime and fire statistics for the three most recent calendar years. It also details UA security policies and procedures. The Campus Security Report is provided in accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act and is available online to view or print at [police.ua.edu/clery-act](http://police.ua.edu/clery-act). The Alabama Department of Public Safety, a state agency, also provides an online listing of sex offenders currently registered with the state. This listing is available on the Alabama Law Enforcement Agency website at [alea.gov](http://alea.gov). For information regarding the enrollment or employment of registered sex offenders at The University of Alabama, or to request a printed copy of the Campus Security Report, write The University of Alabama, University Police, Attention: Clery Compliance Officer, Box 870180, Tuscaloosa, AL 35487-0180; or email [ua.police@ua.edu](mailto:ua.police@ua.edu).

## Academic Calendar

The University's current academic calendar is available online at [registrar.ua.edu/academiccalendar](http://registrar.ua.edu/academiccalendar).

## Student Financial Aid

Financial aid is assistance made available to students to help pay for their college education. Intended to allow students a choice of colleges and to enable them to complete their programs of study, financial aid may consist of scholarships, grants, loans and/or jobs. The federal and state governments, educational institutions, businesses, civic clubs, and individuals sponsor various financial aid programs.

Student Financial Aid at The University of Alabama provides counseling and information to students and parents at all income levels. The office is located in 106 Student Services Center. For more information, call 205-348-6756 or visit [financialaid.ua.edu](http://financialaid.ua.edu).

## Applying for Financial Aid

To determine the amount of federal financial aid for which a student is eligible, The University of Alabama uses the Free Application for Federal Student Aid (FAFSA). Students complete the FAFSA online

at [fafsa.gov](https://fafsa.gov). Information from the FAFSA will be forwarded to the University if the student designates UA as a recipient, using UA's federal school code 001051. Financial aid is not automatically renewed from year to year. Students must apply each year for all types of aid. Students are encouraged to apply as soon as possible after October 1st. Processing can take two to three weeks, so it is important to begin early. Although The University of Alabama sets no deadline to apply for federal financial aid, there is a December 1st. priority date to receive maximum consideration for all types of aid.

## Satisfactory Academic Progress Requirement for Federal Financial Aid Recipients

All students at The University of Alabama who receive federal financial aid must make Satisfactory Academic Progress toward completion of their degree within a reasonable period of time. The University has approved the following standards defining Satisfactory Academic Progress in accordance with regulations issued by the U.S. Department of Education.

### Undergraduate Students

An undergraduate student is considered to be making satisfactory progress if he or she:

- is admitted and enrolled as a degree-seeking student
- meets the minimum scholastic measures required for financial aid recipients
- maintains measurable progress toward the completion of the degree
- completes degree requirements within a reasonable length of time

### Minimum Scholastic Requirements

In order to maintain the minimum scholastic requirements, the student must maintain the minimum grade point average (GPA) indicated below according to the number of credit hours earned (including transfer credit):

Credit Hours Earned	Required UA GPA
0-30 hours	1.5
31-60 hours	1.7
61-90 hours	1.9
91 or more hours	2.0

### Measurable Progress Requirement

In order to maintain measurable progress toward the completion of their degrees, students must successfully complete 67 percent of all University of Alabama credit hours and transfer hours attempted. (Hours attempted include repeated courses, dropped courses, withdrawals, and incomplete courses.)

- **Example A:** If you attempted 32 credit hours and successfully completed 26 of those hours, dropped 3 hours and failed 3 hours, your completion rate would be as follows:  $26 \text{ completed hours} \div 32 \text{ attempted hours} = 81.2$  percent completion rate. You meet the measurable progress component of this requirement.
- **Example B:** If you attempted 32 credit hours and successfully completed only 20 of those hours, and either dropped, failed, repeated, received an incomplete, or withdrew from the other 12, your completion rate would be as follows:  $20 \text{ completed hours} \div 32 \text{ attempted hours} = 62.5$  percent completion rate. You do not meet the

measurable progress component of this requirement and, therefore, are not eligible for federal financial aid.

### Reasonable Length of Time Requirement

At The University of Alabama, a reasonable length of time for the completion of a degree program is generally defined as no more than 150 percent of the normal time required to complete a degree program. Coursework that transfers into a degree program will adjust the time frame accordingly.

- **Example A:** If your degree requires that you complete 120 credit hours, your reasonable length of time will be as follows:  $120 \text{ credit hours} \times 150 \text{ percent} = 180$ . You will be within your reasonable length of time during your first 180 hours of attempted coursework.
- **Example B:** If your degree requires that you complete 120 credit hours and you have transferred 54 credit hours, your reasonable length of time will be as follows:  $120 \text{ credit hours} - 54 \text{ transfer hours} = 66 \times 150 \text{ percent} = 99$ . You will be within your reasonable length of time during your first 99 hours of coursework attempted at The University of Alabama.

A student who is working toward a degree level he or she has already completed or exceeded (i.e., second bachelor's degree) will have his or her reasonable length of time established at no more than 67 percent of the normal length of the program minus any coursework that transfers into the program.

- **Second bachelor's degree example:** If your new bachelor's degree requires 120 credit hours and your dean counts 98 hours from your first degree toward your second degree, your reasonable length of time will be as follows:  $120 \text{ credit hours} - 98 \text{ previous hours} = 22$ . You will be within your reasonable length of time during your first 22 hours of coursework attempted on your second degree.

## Student Rights and Responsibilities

Thorough knowledge of the academic regulations and policies of the University and its academic divisions is essential for all students. Each student is expected to become familiar with The University of Alabama undergraduate catalog and to consult with the academic advisors provided by the student's division.

Each student is responsible for selecting and registering for courses that:

1. are needed to maintain reasonable progress toward the desired degree,
2. will satisfy all requirements for the desired degree by the time the student expects to graduate and
3. conform to University regulations.

Students are expected to pursue successful completion of the courses for which they register.

Students are also responsible for the following:

- Students must maintain a current mailing address and a local residence address on file. Students may make address and phone number updates at myBama.
- Students living on campus (Greek house or residence hall) must complete the Missing Student Contact Information in myBama.
- Students must maintain their UA Alert via the Student Tab in myBama.
- Students must respond promptly to all communications received from The University of Alabama.

- Students are responsible for developing and maintaining an academic plan and monitoring his or her academic progress via DegreeWorks, a degree audit tool.

## Types of Financial Aid

### Scholarships

University of Alabama scholarships can be reviewed online at [scholarships.ua.edu](http://scholarships.ua.edu) or requested by contacting The University of Alabama, Scholarships, Box 870132, Tuscaloosa, AL 35487-0132; 205-348-5666 or 1-800-933-BAMA; email [scholarships@ua.edu](mailto:scholarships@ua.edu).

### Grants

A grant is gift aid that does not have to be repaid. The following Federal and State grants are available at The University of Alabama:

#### Federal Pell Grant

The Federal Pell Grant program is based on financial need. The amount of a Federal Pell Grant varies depending on eligibility.

#### Federal Supplemental Educational Opportunity Grant (FSEOG)

The Federal Supplemental Educational Opportunity Grant is a federal program based on exceptional financial need and availability of funds. The amount of an FSEOG award varies. To be considered, a student must be eligible for the maximum Federal Pell Grant.

#### Alabama Student Assistance Program

The Alabama Student Assistance Program is a grant program based on financial need and availability of funds. Only Alabama residents are eligible to receive these grants, which vary in amount.

### Federal Student Loans

Federal student loan programs provide long-term, low-interest loans for students. Student loans must be repaid with interest.

#### William D. Ford Federal Direct Loan Program

The University of Alabama participates in the William D. Ford Federal Direct Student Loan program. The types of loans disbursed through the program are as follows:

#### Federal Direct Subsidized Stafford Loan

The Federal Direct Subsidized Stafford Loan program is based on financial need; recipients must be enrolled at least half-time.

Federal Direct Subsidized Stafford Loans are awarded by the University. Repayment of Federal Direct Subsidized Stafford Loans does not begin until six months after graduation or when a student is no longer enrolled at least half-time.

Maximum annual Federal Direct Stafford Subsidized Loan awards (based on eligibility) are as follows:

Freshman	\$3,500
Sophomore	\$4,500
Junior/Senior	\$5,500

#### Federal Direct Unsubsidized Stafford Loan

The Federal Direct Unsubsidized Stafford Loan program is not based on financial need. Unlike the Subsidized loan, interest on an Unsubsidized loan begins accruing as soon as the loan funds are disbursed. To be

considered for the Unsubsidized loan, students must apply for federal financial aid.

Maximum annual Federal Direct Unsubsidized Stafford Loan awards including any amount received in a Subsidized Federal Direct Stafford Loan are as follows:

#### Dependent Students

Freshman	\$3,500
Sophomore	\$4,500
Junior/Senior	\$5,500

#### Independent Students

Freshman	\$9,500
Sophomore	\$10,500
Junior/Senior	\$12,500

A total maximum (including both Subsidized and Unsubsidized Federal Direct Stafford Loans) of \$31,000 for dependent students or \$57,500 for independent students may be borrowed for study toward the undergraduate degree.

#### Federal Direct Parent Loan for Undergraduate Students (PLUS)

The PLUS program is not based on financial need. The PLUS program is available to parents of dependent students. The interest rate is variable, adjusted annually. A parent can borrow the difference between the Cost of Attendance (defined by Student Financial Aid) and the amount of the student's other federal aid and resources.

Repayment of principal and interest of PLUS loans begins within 60 days after the loan is disbursed or parents may request a deferment when applying.

### Federal Work-Study Program

The Federal Work-Study Program is a federally funded work program based on financial need and availability of funds.

Work-Study students may work on or off campus for an average of 12 to 15 hours of service weekly. They are paid every two weeks for the hours worked.

A listing of Federal Work-Study positions (including community service positions) is made available to students who complete the University's Federal Work-Study orientation.

## Support Programs and Services for Students

The University of Alabama is committed to helping students make the most of their college experiences by providing a comprehensive range of support programs and services, including high-quality academic, personal, and professional support services; diverse recreational and extracurricular activities; convenient debit and ID card services; and top-notch housing and dining facilities. These programs are administered through various areas of the University to include Student Life (p. 386), Academic Affairs, or Auxiliary and Support Services. For more information about these resources, please refer to the contact information provided under each section.



## Action Card

The Action Card or "ACT Card" is the official University photo identification card and serves multiple purposes at The University of Alabama. It is used for access to:

- NCAA athletic events
- University Libraries (to check out books)
- University recreation facilities (Student Recreation Center and pool, Robert E. Witt Student Activity Center, aquatic center)
- computer labs, Student Health Center and Pharmacy, campus entertainment events, and My Football Ticket program
- campus facilities

The Action Card accounts are similar to a checking account. With a prepaid deposit of funds, cardholders may use the card to make purchases at participating locations. There are three types of Action Card accounts: Bama Cash, Dining Dollars, and Meal Plans. Bama Cash is an optional account which, once established with a deposit of funds, allows students to pay for purchases at a wide variety of on- and off-campus locations. For details, visit the Action Card website at [actcard.ua.edu](https://actcard.ua.edu).

A photo and ID document must be submitted at <https://actcard.ua.edu/photosubmit>. Then you may download your ACT Card to your mobile device one business day after receiving your approval email to your Crimson email. More information and instructions for downloading the mobile card can be found at [actcard.ua.edu/mobileactioncard](https://actcard.ua.edu/mobileactioncard).

Through eAccounts online, ([actcard.ua.edu](https://actcard.ua.edu)) users can access information for both Bama Cash and Dining Dollars, check balances, and review transaction history. Through eAccounts online, cardholders may also deposit funds directly to Bama Cash via Visa, MasterCard, American Express, and Discover cards. Users also may review meal plan activity from this site. Cardholders can also check Bama Cash and Dining Dollars balances through the eAccounts mobile app, and load money through the app via Apple Pay or with a saved payment method through eAccounts online on the Action Card website.

The Action Card Office is located at 451 Campus Drive East, inside the Transportation Hub, also known as the Bus Hub. Office hours are Monday through Friday, 8 a.m. – 5 p.m. Students can reach the office by phone at 205-348-2288.

## Capstone Center for Student Success

The **Capstone Center for Student Success (CCSS)** provides a network of support services aimed at holistic student success. Through a combination of specialized programs, broad support services aimed at all UA students, and intentional partnerships throughout UA, the Capstone Center helps undergraduate students:

- succeed in University of Alabama courses,
- improve study techniques and other academic skills,
- successfully transition to the UA academic and social community,
- Access test preparation resources for professional and graduate school entrance examinations, and
- get connected to available resources to improve their overall UA student experience.

The Capstone Center is located on the second and third floors of Russell Hall and can also be found on the web at [success.ua.edu](https://success.ua.edu) or by calling 205-348-5175.

## Academic Support Services

- Academic Coaching
- Computer Lab
- Skill Sessions & Workshops
- Study Spaces
- Tutorial Services (Individual and Small Group)

## Specialized Support Programs

- Alabama REACH
- Crimson Edge
- Exploring 4 Success (for undeclared students)
- First-Generation Student Scholarships
- First Year Experience & Retention Initiatives
- Student Support Services TRIO

## Disability Services

The Office of Disability Services (ODS) is the central contact point for UA students with academic disabilities. ODS works with faculty and other members of the University community to provide individualized academic accommodations while promoting student responsibility and self-advocacy. It is the student's responsibility to make known a need for academic accommodations and services by

- (1) completing an application and providing appropriate documentation of the disability to ODS,
- (2) formally requesting accommodations during an intake interview with an ODS Accommodations Specialist,
- (3) using the ODS Online Portal to provide each instructor the Faculty Notification Letter, and
- (4) meeting with each instructor to discuss the implementation of accommodations.

Students can apply for academic accommodations and submit disability documentation by logging into the ODS Online Portal with their MyBama username and password.

For more information about services for students with disabilities, including documentation requirements, visit [ods.ua.edu](https://ods.ua.edu) or call 205-348-4285 (voice), or 205-348-3081 (TTY). Office hours for ODS are Monday through Friday, 8:00 a.m. to 4:45 p.m.

## International Student & Scholar Services

International Student & Scholar Services (ISSS), a unit within the Capstone International Center, provides specialized services for international students, professors, research scholars, visitors, and their families.

ISSS's primary function is to provide visa support for these international members of the UA community. The office is responsible for the creation and ongoing maintenance and verification of visa support documents within the Student and Exchange Visitor Information System (SEVIS) for both F-1 student visas and J-1 student and scholar visas. These are ongoing services that monitor individual progress according to federal regulations. The office is also responsible for filing H-1B and other types of work-visa support documentation on behalf of international faculty and staff at UA.

ISSS conducts comprehensive orientation programs and provides vital information regarding U.S. immigration compliance as well as multicultural guidance and counseling. Great emphasis is placed on international student programming. ISSS coordinates a wide variety of student activities such as a weekly multicultural coffee hour, an international spouse support group, and an annual welcome reception for international students at the President's Mansion.

Professional staff members advise and assist the International Student Association, which represents all international students, and the many nationality organizations on campus. Professional staff work closely with community groups such as Tuscaloosa's International Friends (TIF), which sponsors a friendship family program for international students.

International Student & Scholar Services may be contacted by telephone at 205-348-5402; by fax at 205-348-5406; by email at [international@ua.edu](mailto:international@ua.edu), and by mail at Box 870254, Tuscaloosa, AL 35487-0254, USA. More information about office services, visa regulations, and processing of visa support is available on the website: <http://international.ua.edu/iss/>. International Student & Scholar Services is located in 105 B.B. Comer Hall.

## Student Health Center and Pharmacy

### Student Health Center and Pharmacy

The Student Health Center and Pharmacy (SHC) provides high-quality and easily accessible health care for University of Alabama students. Located at the corner of Peter Bryce Boulevard and 4th Street East and adjacent to the UA tennis courts, the SHC is accredited by the Accreditation Association for Ambulatory Health Care (AAHC). The SHC can meet most ambulatory medical needs of UA students, including women's health, psychiatry, medical nutrition therapy, and allergy/immunization services as well as international-travel medical evaluations and prescription medications from any licensed practitioner. For convenience, students may make certain SHC appointments through the Patient Portal accessible through their MyBama account. Those requiring appointments with the in-house specialty services (psychiatry, dermatology and women's health) should call the appointment line at 205-348-2778. Referral services for outside specialty medical services (i.e. gastroenterology, orthopedics, etc.) are made when needed with essential communication managed by referral nurses.

For University-required immunizations for all entering students, refer to [www.shc.ua.edu/immunizations](http://www.shc.ua.edu/immunizations); these can also be obtained at the SHC. For more general information, visit [www.shc.ua.edu](http://www.shc.ua.edu) or call 205-348-6262.

For students who need to purchase health insurance, information regarding this can be found at [www.uhcsr.com/ua](http://www.uhcsr.com/ua); or by calling 205-348-4086.

## Student Life

### Division of Student Life

The Division of Student Life empowers and supports students in maximizing their UA learning experiences. Student Life, which is comprised of 24 individual departments, aspires to cultivate an inclusive campus culture that promotes equitable opportunities for engaged learning, holistic wellness, and student success. The division positions students as stakeholders in their learning experience, preparing them to be the next generation of leaders, lifelong learners, and active citizens.

The division is focused on complementing the academic experience by providing student learning experiences outside of the classroom. The

division prioritizes student success, holistic health and well-being, and diversity, equity and inclusion.

### Activities of Expression on Campus

At The University of Alabama, freedom of expression and assembly is vital to the pursuit of knowledge. Such freedom comes with a responsibility to welcome and promote this freedom for all, even in disagreement, opposition, or even offense. An essential part of the University's mission is to foster the ability of the campus community to engage in debate and deliberation in a productive and responsible manner on campus. While the University has a significant interest in protecting the education experience of its students, in ensuring health, safety and order on its campus, in regulating competing uses of its facilities and grounds, and other significant interests, there are numerous opportunities for activities of expression on campus. More information on such opportunities can be found in the Facilities and Grounds Use Policy. The University's Grounds Use website contains additional information on the University's commitment to free and open inquiry and expression for the campus community.

### Career Center

The Career Center partners with students as they explore possibilities, develop skills, and connect with opportunities related to their professional endeavors. Career consultants are available to help students select a major, plan a career, develop job-search strategies, and more. The Career Center also hosts several career fairs, on-campus interview days, career-development workshops, and other special events throughout each academic year. Through Handshake, an online recruiting system, the Career Center connects students to thousands of job and internship opportunities. Students can log on through [ua.joinhandshake.com](http://ua.joinhandshake.com).

In addition to the main Career Center, which is located at 3400 UA Student Center, the Career Center operates satellite offices for Engineering (2004 H.M. Comer Hall), Business (249 Bidgood Hall), and Communication and Information Sciences (103 Reese Phifer Hall). The Engineering Career Development Center also operates Cooperative Education (Co-Op), a dynamic academic program that offers students opportunities for professional experience before graduation.

Students are encouraged to start visiting the Career Center during their first semester at the University to begin exploring academic majors and career options, and become familiar with the Career Center and all it has to offer. To learn more, visit [career.sl.ua.edu](http://career.sl.ua.edu) or call the main office at 205-348-5848. Career Center offices are open from 8 a.m. to 5 p.m. Monday through Friday.

### Collegiate Recovery and Intervention Services

Collegiate Recovery and Intervention Services (CRIS) provides a comprehensive continuum of care for students with substance use concerns. Services range from prevention, awareness, and exploration of consequences for high-risk behaviors to a supportive, safe, and engaging environment that supports students seeking or contemplating recovery.

Collegiate Recovery and Intervention encourages students to use self-awareness to explore their relationship with alcohol and other drugs and shape personal behavior to better navigate campus life and adhere to the spirit of The University of Alabama Capstone Creed.

Students who determine that abstinence-based recovery is their desired path find a safe, encouraging and supportive environment in the Collegiate Recovery Community. For more information, visit [cris.sl.ua.edu](http://cris.sl.ua.edu).

## Counseling Center

The Counseling Center helps students achieve academic success and personal growth through quality counseling, as well as psychological and consultative services. By providing short-term emotional health care services, the Counseling Center serves as a screening, intake, and referral resource. The Center can assist students in identifying needs and locating an appropriate resource if more help is needed. Among the services provided are individual, couple, and group counseling; substance abuse counseling; crisis intervention; and medication referral services. The Counseling Center is located in 3000 South Lawn Office Building (1101 Jackson Ave.). For information and assistance, call 205-348-3863 or visit [counseling.sl.ua.edu](http://counseling.sl.ua.edu).

## Dean of Students

The Office of the Dean of Students is a starting place for students who have questions or concerns about their experience at the University. The office works with other offices in Student Life and Academic Affairs to engage and support students during their experience at the Capstone. The mission of the Dean of Students office is to maximize each UA student's learning experience by fostering personal development through opportunities for participation, involvement, and engagement. The Division of Student Life provides educational experiences outside the classroom that serve to develop students personally, socially, and spiritually, helping them become responsible citizens of the world. Areas within the Dean of Students office include: the Women and Gender Resource Center, the Office of Student Conduct, Campus Ministries, National Student Exchange, and the On-Call Dean program. The Dean of Students office is located in 230 UA Student Center. For more information about programs and services, call 205-348-3326; visit [dos.ua.edu](http://dos.ua.edu), or visit any of the reporting departments listed below.

### Blackburn Institute

The Blackburn Institute is a leadership development and civic engagement program specifically focused on improving the state of Alabama. Through its work with students, alumni (Fellows), and advisory board members, the institute develops a network of leaders who have a clear understanding of the state's challenges. Selected students participate in a one-year curriculum of activities and events, after which they continue their involvement for their remaining time at the Capstone. Upon graduation, participants earn recognition as Blackburn Fellows and begin their work through professional and civic involvement in their home communities and throughout the state, both individually and through the Fellows Involvement Network (FIN). Supported by an advisory board of established leaders committed to the state of Alabama, the Blackburn Institute promotes change through an intergenerational network that learns from the past, takes action in the present, and plans for the future. The Blackburn Institute is located in 2400 UA Student Center. For more information, call 205-348-3277 or visit [blackburninstitute.sl.ua.edu](http://blackburninstitute.sl.ua.edu).

### Center for Service and Leadership

The Center for Service and Leadership (CSL) strives to enhance student experience through active and diverse engagement opportunities in the community. The Center for Service and Leadership connects students to meaningful experiential learning experiences, including volunteer opportunities that provide students the ability to enhance their leadership skills while becoming active global citizens. The CSL is located in 1100 UA Student Center. For more information, call 205-348-2865 or visit [leadandserve.sl.ua.edu](http://leadandserve.sl.ua.edu).

### Parent & Family Programs

Parent & Family Programs educates, engages, and guides parents and family members of The University of Alabama students with the goal of supporting successful student transition, retention, and persistence to graduation. Through a variety of communication (newsletters, webinars, and social media), family members of students can find the answers to questions and learn how to best support their student's education and outside-of-the-classroom experiences. For more information about Parent & Family Programs, including Family Weekend in the fall, call 800-392-2777 or visit <http://parents.sl.ua.edu/>.

### Student Care and Well-Being

The Student Care and Well-Being (SCWB) office was established to provide assistance and case management for students in crisis and outreach to parents and families. The staff in this area coordinate a range of services to assist students with issues and concerns that may interfere with their academic success.

The details about the programs and services for Student Care and Well-Being offers can be found at [bamacares.sl.ua.edu](http://bamacares.sl.ua.edu). If you have questions about services available, please feel free to contact the office via email at [bamacares@ua.edu](mailto:bamacares@ua.edu) or by phone at 205-348-2461.

In case of emergency, evenings after 5 p.m., weekends, and holidays please contact the [University Police Department](#) at 205-348-5454.

### Student Conduct

Student Conduct seeks to develop students in a manner that provides a foundation for success, a commitment to responsible citizenship and a desire to make positive lifestyle choices based on the Capstone Creed values of fairness, honesty, accountability, integrity, and respect. Student Conduct is responsible for the administration and operation of the Code of Student Conduct, serving as the main campus entity to work with students to resolve non-academic misconduct matters. The Office of Student Conduct is located in 173 Burke East Hall. For more information about programs and services, call 205-348-8234 or visit <http://studentconduct.sl.ua.edu/>.

### Veteran and Military Affairs

Veteran and Military Affairs (VMA) provides, facilitates, and coordinates programs and services to meet the special needs of veterans, service members, dependents, and survivors in order to ease their transition to college life and fulfill their educational goals. VMA staff members assist students in all aspects of Federal and State GI Bill certification and processing, as well as all processing for the Alabama National Guard Education Assistance Program (ANGEAP). VMA is located in 3000 Houser Hall. For more information, call 205-348-0983 or visit [vets.sl.ua.edu](http://vets.sl.ua.edu).

### Women and Gender Resource Center

The mission of the Women and Gender Resource Center (WGRC) is to address gender inequity and foster a community that values social justice, safety, leadership, mentoring, education, multiculturalism, partnership, and research. The center provides students and members of the UA community with free and confidential counseling and advocacy services to address issues of interpersonal violence, such as dating/domestic violence, sexual assault, sexual harassment, sexual exploitation, rape, childhood abuse, or stalking. There are opportunities to get involved with the Center through ongoing leadership and mentoring programs, such as the Young Women Leaders Program (YWLP); the Young Men's Leadership Program; the WGRC Student Leadership Council; the WGRC Ambassadors; the Safe Sisters Peer Education Program; and many more. Additionally, there are opportunities to be engaged through general volunteering or internship placements, or participation in special events and programming, such as the Delta

Initiative Women in STEM living-learning community, book clubs, support groups, and cultural heritage and other awareness event programming activities, among others. The WGRC is located in 2000 South Lawn Office Building and is open Monday – Friday from 8 a.m. to 5 p.m. The on-call advocate, accessed via the UAPD main number (205-348-5454), is available after hours, on weekends, and during school holidays to provide crisis response. For additional information about programs and services, contact the WGRC at 205-348-5040 or visit [wgrc.sl.ua.edu](http://wgrc.sl.ua.edu).

## First Year Experience and Retention Initiatives

First Year Experience (FYE) is committed to supporting first-year students' academic and social transition to The University of Alabama. FYE provides support, resources, and programs for freshman and transfer students as they build the foundation of their college experience. From small community building programs to large-scale welcome events, FYE aims to help every first-year student find their place at UA. To learn more about First Year Experience, call 205-348-8404 or visit [fye.sl.ua.edu](http://fye.sl.ua.edu).

## Fraternity and Sorority Life

The Office of Fraternity and Sorority Life (OFSL) is dedicated to the growth and success of the Greek community at UA and to the individual development of sorority and fraternity members. OFSL advises and provides guidance to the fraternities and sororities associated with the four Greek governing councils: the Alabama Panhellenic Association (APA), the Alabama National Pan-Hellenic Council (NPHC), the Alabama Interfraternity Council (IFC), and the Alabama United Greek Council (UGC). For more information, call 205-348-2693 or visit [ofsl.sl.ua.edu](http://ofsl.sl.ua.edu).

## Health Promotion and Wellness

Prevention and health promotion services are provided by the department of health promotion and wellness. This department is staffed by three professional health educators and a registered dietitian providing wellness education, interactive and engaging activities to promote healthy living and lifestyle choices. An award-winning group of peer educators trained by the health educators, called Project Health, provide over 50,000 direct encounters with students every year on topics critical to college health. Learn more at [projecthealth.sl.ua.edu](http://projecthealth.sl.ua.edu).

## Housing and Residential Communities

Housing and Residential Communities provides safe, secure housing for undergraduate and graduate students, supporting their academic success. Campus housing provides leadership opportunities and avenues for campus involvement and engagement. For more information about campus housing, call 205-348-6676 or visit <https://housing.sl.ua.edu/>.

## National Student Exchange Program

The National Student Exchange (NSE) is an undergraduate study-away program much like study abroad. Rather than crossing oceans, NSE students cross state, regional, provincial, and cultural borders. Through this program, students take a semester or academic year to attend another fully accredited participating institution while making progress toward their University of Alabama degree. The NSE is comprised of nearly 200 colleges and universities throughout the United States, Canada, Guam, Puerto Rico, and the U.S. Virgin Islands.

By participating in the program, students can broaden their personal and educational experiences, explore and appreciate new cultures, take courses not offered at The University of Alabama, learn from different professors, explore new areas of study, and break out of their comfort zones.

The National Student Exchange program is an entity of the Dean of Students office. For more information about the programs, call 205-348-3326 or visit [nse.ua.edu](http://nse.ua.edu).

## Student Government Association

Established in 1915, the Student Government Association (SGA) is composed of three governing branches: executive, legislative, and judicial. Students from all corners of campus are encouraged to participate in student government to enhance their experience at the Capstone. Freshmen can apply for First Year Council in the fall semester, while all students can run for Senate elections, apply to be on the Judicial Board, or join numerous cabinets and committees under the Executive Branch. In living out its motto of "Students serving students," the SGA strives to represent every member of campus, while leading numerous initiatives, such as raising awareness for sexual assault survivors, combating food insecurity, and promoting academic integrity. The SGA office is located in 2617 UA Student Center. For more information about SGA initiatives or how to get involved, call 205-348-2742 or visit [sga.sl.ua.edu](http://sga.sl.ua.edu).

## Student Involvement

The mission of Student Involvement is to provide opportunities for each UA student to achieve personal excellence by encouraging open exploration and engagement with the campus learning environment and by fostering individual growth and development. Student Involvement recognizes that UA students come from many different backgrounds and have interests and passions that are as unique and exciting as they are. Whether those interests and goals are intellectual, social, recreational, cultural, multicultural, or spiritual in nature, there is a place and a community for every student at The University of Alabama. While the term 'involvement' may mean different things to different students, the key to getting involved is making connections. Student Involvement is located in 3610 UA Student Center, and they can help spark those connections. To find out more about the many ways to get involved on campus, visit <https://studentinvolvement.sl.ua.edu/> or call 205-348-6114.

## Student Media

Student Media prepares UA students for any career in a hands-on, real-life learning environment. Student Media offers personal and professional skill-building opportunities through **The Crimson White**, a print and an online newspaper; **WVUA**, a non-commercial radio station at 90.7 FM; **Alice**, a lifestyle magazine for young women; **Marr's Field Journal**, an undergraduate literary/art journal; **Bama Life**, a direct delivery student newsletter; **Black Warrior Review**, a graduate-level national literary journal; **Southern Historian**, a graduate-level research journal; a **Digital Media** unit that develops digital and video content; and positions in marketing, public relations, and ad sales. For more information, visit [osm.ua.edu](http://osm.ua.edu) or call 205-348-7257.

## The University of Alabama Student Center

The University of Alabama Student Center serves to enhance the student and UA community experience by providing physical space and services that build community, develop leaders, support programs, and promote student learning, development, and inclusion.

Our Student Center is the heart of the Capstone. It serves as a host for a variety of events and programs throughout the year hosted by student organizations, UA departments, and faculty and staff members. Additionally, it is home to many offices housed in the Division of Student Life, including the Center for Service and Leadership, the Career Center, the Dean of Students office and more. The Student Center also partners with student groups and university departments to organize events for

the student body. In addition, the building features spaces that can be reserved for student organizations and departmental use.

## University Programs

University Programs is the premier student programming department on campus that fosters community and maximizes student development through campuswide events implemented by UA students. University Programs hosts alcohol-free programming every Thursday, Friday, Saturday such as Week of Welcome, Tied with the Tide, and Tide After Dark. To learn more, visit <https://up.sl.ua.edu/> or call 205-348-7525.

## University Recreation

University Recreation provides exceptional facilities, services, and programs for the University community that strengthen well-being, learning, and personal growth. Areas include intramural sports, sport clubs, outdoor recreation, personal training, fitness testing and consultations, group exercise classes, non-credit instructional classes, aquatic services, and open recreation. Facilities available include the ultramodern, award-winning Student Recreation Center, University Aquatic Center, the Robert E. Witt Student Activity Center (Witt Center), outdoor fields complex, outdoor pool complex, and tennis courts. For more information on these facilities and programs, call 205-348-3994 or visit <https://urec.sl.ua.edu/>.

## Transportation and Parking Services

The Transportation Services office is located in the Transportation Hub of the Campus Drive Parking Deck (451 Campus Drive East). Campus parking maps, along with campus parking rules and regulations, are available online at [www.bamaparking.ua.edu](http://www.bamaparking.ua.edu).

## UA Police Department

For information on The University of Alabama Police Department and its services, please visit the website at [police.ua.edu](http://police.ua.edu) or consult the Safer Living Guide at [saferliving.ua.edu](http://saferliving.ua.edu) for helpful personal safety information. The UA Police Department publishes crime and fire statistics annually in the Campus Security and Fire Safety Report which can be found at [https://police.ua.edu/wp-content/uploads/2021/10/2021-UA\\_Main-Campus-Security-and-Fire-Safety-Report.pdf](https://police.ua.edu/wp-content/uploads/2021/10/2021-UA_Main-Campus-Security-and-Fire-Safety-Report.pdf).

## University Libraries

### University Libraries

With access to more than 4.1 million print and electronic resources, University Libraries, a system of five separate discipline-related libraries, provides both traditional print collections and cutting-edge technology. The University Libraries website, [lib.ua.edu](http://lib.ua.edu), provides all library users with access to integrated collections, services, and information resources. Currently, the University Libraries system provides access to 199,515 full-text print and electronic journals. In addition, approximately 600 databases, including indexes, abstracts, and other reference resources, are linked from the Libraries website. In addition to our strong research collections in digital and print formats, we provide academic software, laptop and desktop computing resources, and digital media production tools to aid in student creativity.

The University Libraries discovery interface, Scout, is accessible through the Libraries website and provides access to the full catalog of local holdings, as well as a wide variety of database content – including scholarly and trade journals, popular magazines, current and historic newspapers, microfilm, federal government documents, digital archives, and streaming audio and video. Links to books and electronic materials

on reserve, Interlibrary Loan services, and other self-initiated services, such as renewing books and requesting materials from the Libraries Annex, are also available.

University Libraries provides access to millions of scholarly articles electronically and in print, and millions of print books and E-books, through purchase plans and licensing with various providers. Scholarly holdings in the 600 database products available to students and faculty are also discoverable through Google Scholar. In addition to the wide array of print and electronic resources available, several borrowing programs with national, regional, and state libraries (including RapidILL, ALLIES, and Project Reshare) extend the total resources available to students and faculty through interlibrary loan. We also offer a Document Delivery service, where the libraries will scan and electronically deliver print materials to faculty and students by request.

Through the creation of video tutorials, online and in-person instruction sessions and orientations, virtual and in-person reference services, and an online course developed by instructional design professionals that explores resources, services, and the steps in the research enterprise, University Libraries offers students many ways to stay in touch and learn about using our services and resources.

Students pursuing coursework from a distance, either online or at other sites, have access to librarians who serve as the primary point of contact for any given subject area. The Ask-a-Librarian service also provides students, faculty, staff, and community members relevant FAQs as well as a means of chatting or emailing with liaison librarians. University Libraries also provides online Research Guides that are available to students 24/7 that guide students through the research process in a specific class or subject area.

University Libraries maintains five state-of-the-art facilities that provide space for collaborative and independent study, with group study spaces and presentation practice rooms available for reservation. Each library serves a unique purpose. The Amelia Gayle Gorgas Library, located on the central campus quadrangle, houses central library administrative functions and has holdings for humanities, social sciences, and government information, while the Angelo Bruno Business Library, the McLure Education Library, the Sara and Eric Rodgers Library for Science and Engineering, and the William Stanley Hoole Special Collections Library contain discipline-specific holdings and materials. Additionally, the Law School's Bounds Law Library and the College of Community Health Sciences' Health Science Library are linked to University Libraries virtually, and are also available to support student success.

University Libraries facilities offer extended hours during fall, spring and summer sessions. The Writing Center and the Center for Academic Success routinely use University Libraries facilities to offer tutoring services during each semester. Gorgas Library is open 24 hours a day seven days a week during study and finals weeks at the end of each semester. Rodgers Library offers 24 hour, five day a week access for 12 weeks each semester.

University Libraries Special Collections Library also provides online access to large parts of the University's rare and unique maps, manuscripts, documents, and archival collections through its digital collections. Students, faculty, and staff have access to browse and search the libraries' special collections through our online portal powered by CONTENTdm.

University Libraries supports on-site color and black and white printing, photocopying, and scanning as well as 3D printing production support in all branch libraries. University Libraries also provides spaces for students and faculty to produce audio projects, such as voiceovers, podcasts and simple keyboard and acoustic instrumental recordings.

University Libraries also supports student and faculty use of citation managers RefWorks and Endnote which allow for the collection, management and output of scholarly works cited and bibliographies for various purposes.

In addition to the large number of desktop computers available to students throughout the library, laptops are available to be checked out for up to 72 hours (students are allowed to take these laptops outside of the physical library). The libraries also check out a wide variety of audiovisual equipment.

Amelia Gayle Gorgas Library houses the Sanford Media Center, located on the second floor. The Sanford Media Center was created to provide University of Alabama students with a leading-edge facility for digital media production. With the Center's computers, audio-visual hardware, software, and instruction, users have the experience of becoming producers and authors of multimedia content. Media specialists staff the Center and are available for consultation and one-on-one instruction.

Other library services include The Alabama Digital Humanities Center which provides project management and digital development services to faculty and students who would like to undertake a digital humanities project. We also unveiled our Institutional Repository in 2017, which provides faculty and students with an open access platform and stable URLs for their works. The IR will house electronic copies of theses and dissertations moving forward, as well as datasets and other University of Alabama work-product that aids the research enterprise of the University.

University Libraries maintains memberships in the Association of Research Libraries, the Center for Research Libraries, HathiTrust, the Coalition for Networked Information, centerNet, LYRASIS, the Association of Southeastern Research Libraries, the Network of Alabama Academic Libraries, the Digital Preservation Network, and the Alabama Digital Preservation Network. As a U.S. Government Documents Regional Depository, the University Libraries serves Alabama libraries and the public.

## Amelia Gayle Gorgas Library

Amelia Gayle Gorgas Library is the main campus library supporting the teaching and research needs of the College of Arts and Sciences' humanities and social sciences programs, the College of Communication and Information Sciences, the College of Human Environmental Sciences, the Honors College, the School of Social Work, and the College of Continuing Studies.

Located on the first level, the Gorgas Library Learning Commons provides students with computers equipped with the latest productivity and academic software used in classrooms and laboratories. The area provides space for students to study together for group projects or individually. In addition, students, faculty, and staff can ask for personal research assistance at the Information Desk located in the Commons area. Also located on this level is the Digital Humanities Center, a hi-tech environment for faculty and graduate students exploring the digital humanities; the Music Library with two Whisper Booths; and Java City Café, a fun place to relax and meet friends.

The Circulation Desk, located on the second level, serves as the central check-out area for media production equipment, laptops, headphones, books, and other materials. Items requested through InterLibrary Loan can also be picked up at the Circulation Desk. The Sanford Media Center, a leading-edge facility for digital media production for students, is also located on the second level.

Special features in Gorgas Library include areas with designated noise levels, from silent to quiet talking; several types of seating and study accommodations, including group study rooms for collaborative assignments; event spaces for hosting campus groups for various educational and social purposes; designated study carrels for graduate students and faculty; printers; and 3D printers. University Libraries partners with the University Writing Center, which maintains a satellite center in Java City Café.

Gorgas Library is located on the Quad opposite Denny Chimes.

## Angelo Bruno Business Library

Angelo Bruno Business Library serves the business information needs of the campus and in particular the students, faculty, and staff of the Culverhouse College of Business and the Manderson Graduate School of Business. The library also houses the college's **Sloan Y. Bashinsky Sr. Computer Center**.

Bruno Library's resources comprise a wide variety of scholarly and professional business databases, along with a significant collection of print and electronic books and journals. Library faculty and staff offer users specialized information assistance and services, including individual and class instruction in library research and effective use of library databases.

Special features include areas with designated noise levels, from silent to quiet talking; several types of seating and study accommodations, including group study rooms for collaborative assignments; and designated study space for graduate students. A wide range of software is offered on computers throughout the facility and on circulating laptops.

The 64,000-square-foot facility is conveniently located on Stadium Drive within the Culverhouse complex.

## McLure Education Library

McLure Education Library serves primarily the students, faculty, and staff of the College of Education and the Graduate School of Education.

McLure Library includes the **School Library and Curriculum Materials Center** on the lower floor; reference and periodical areas and public computer areas on the main floor; and study rooms, a presentation practice room, and a computer lab on the upper floor. Several Promethean Boards and SMART Boards are available throughout the facility for student use. Instruction sessions are offered at all levels, including training for pre-service teachers.

The main collection of the library comprises scholarly and professional books and journals related to education (including sports and physical education). The School Library collection contains over 25,000 trade books for preschool through young adult readers. The Curriculum Materials Center holds approximately 10,000 items, including K-12 textbooks, curriculum guides, supplemental classroom materials, and educational media including DVDs, kits, games, and other items.

McLure Library is located on University Boulevard near Bryant-Denny Stadium.

## Eric and Sara Rodgers Library for Science and Engineering

Eric and Sara Rodgers Library for Science and Engineering serves students, faculty, and staff in the sciences, engineering, and nursing programs. Rodgers Library offers a 3D studio and other makerspace

resources; seven group study rooms; and equipment and special space for students to prepare, practice, and record presentations.

The library is equipped with a generous number of computer workstations offering a wide range of productivity software, including specialized software for use in science and engineering.

Rodgers Library is open 24 hours daily from Sunday through Thursday during portions of the semesters, giving students more opportunities to learn, study, and do research.

Rodgers Library is located immediately south of Shelby Hall and the Science and Engineering Complex, north of the Math and Science building, and one building west of the Campus Drive Parking Deck.

## Special Collections

Special Collections is comprised of the W.S. Hoole Library and the A.S. Williams III Americana Collection.

Hoole contains rare and unique materials dealing with U.S. history with a focus on Southern history and culture and Alabama history and culture. Areas of concentration include the exploration and settlement of territory in the Gulf of Mexico; the antebellum period; the Civil War and Reconstruction; slavery, abolition, and emancipation; the socio-economic and racial history of the New South; the Civil Rights movement; and Latin America with a particular emphasis on Mexico and Brazil.

Hoole has more than 40,000 volumes of rare books and incunabula, serials, and newspapers; approximately 4,000 manuscript collections; more than 2,000 maps, including several hundred from the 16th, 17th, and 18th centuries; over 500,000 photographic images; and nearly a million University records. Extensive digital collections comprising several hundred thousand images are accessible through Hoole's home page.

The Williams Collection includes an additional 20,000 volumes, hundreds of maps, and an extensive collection of manuscripts and historical documents pertaining to the history and culture of the South, particularly the Civil War. The Civil War materials in both Hoole and Williams document the war from the perspectives and observations of participants in the Union and the Confederacy, and include several hundred Confederate imprints.

Hoole Library is located on the second floor of Mary Harmon Bryant Hall, Hackberry Lane, and the Williams Collection is located on the third floor of Amelia Gayle Gorgas Library.

## Additional Libraries

Under separate administration are the Health Sciences Library in the University Medical Center, the Bounds Law Library in the School of Law, and the Map Library, **department of geography**, in Farrah Hall.

## Writing Center

The University Writing Center (322 Lloyd Hall), a free consultation service, provides one-on-one writing support for students in all disciplines. We help students build confidence as writers, revise their drafts, and develop the skills necessary for long-term improvement. Students can choose between in-person and online consultations. For more information, visit [writingcenter.ua.edu](http://writingcenter.ua.edu).

## Veterans Services

The Office of Veteran and Military Affairs provides assistance to veterans, reservists, service persons, and eligible dependents. The office processes all certifications that must be filed with the Department of Veteran and Military Affairs before educational benefits can be received. Students

must register with the Office of Veteran and Military Affairs each semester to begin receiving or to continue receiving benefits. In addition to helping students apply for benefits and complete VA certifications, the Office of Veteran and Military Affairs provides academic, personal, and financial referrals to students in VA programs. VA sponsored work-study programs and tutoring are available to those who qualify. Students eligible for veterans benefits include VEAP veterans, reservists and veterans on the "New GI Bill," disabled veterans, dependents of persons who have total and permanent service-connected disabilities, and dependents of persons whose deaths were service-connected.

Information about services, application procedures, and compliance with VA requirements is available at the Office of Veteran and Military Affairs, Houser Hall, Ste. 3000, or by contacting The University of Alabama, Office of Veteran and Military Affairs, Box 870251, Tuscaloosa, AL 35487-0251; 205-348-0983.

For students receiving VA education benefits, any complaint against the school should be routed through the VA GI Bill Feedback System by going to the following link: <https://www.benefits.va.gov/gibill/feedback.asp>. The VA will then follow up through the appropriate channels to investigate the complaint and resolve it satisfactorily.

### Undergraduate Terms for Federal VA Certification Purposes

Below is UA's determination for VA purposes of how the academic policy for full-time status would apply to VA students for determining rate of pursuit for VA purposes: UNDERGRADUATE POLICY FOR FULL-TIME STATUS WITHIN ANY SEMESTER = 12 HRS

## GI Bill® Complaint Policy

To bring clarity and equity to this situation, the Office of Veteran & Military Affairs has established the following policy when certifying graduate students in non-standard terms that takes the academic policy of what the institution considers full time and allocates the policy's equivalent to the individual parts of the term when certifying benefits to the VA and is publishing this certification policy guidance to bring the institution into federal compliance by having this information published in UA's catalog. Otherwise, graduate students using benefits would be unfairly subjected to the lesser-weighted undergraduate hours.

## Residency for Tuition Purposes Policy

The Residency for Tuition Purposes (p. 18) policy addresses the residency of Veteran or members of the United States Armed Forces in accordance with PL 115-251 sec. 301.

## Pending Payment Compliance

Pending Payment Compliance is in accordance with Title 38 US Code 3679(e) in accordance with PL 115-407 sec. 103.

## Military Service Credit

Military Service Credit information is found on the Transfer Credit Policy (p. 21) catalog page.

## Military Transcripts

Students are required to disclose all prior training. Evaluation of all prior transcripts will be completed in accordance with [38 CFR 21.4254(c)(4); 4253(d)(3)]. Students must submit transcripts by the end of their first term of enrollment. Failure to submit transcripts will result in a loss of VA funding after the second term of enrollment.

VA students are not allowed to receive VA Educational Benefits for courses in which they have earned credit. VA students are not allowed to repeat courses in which they have a passing grade unless a higher grade is required to pursue their course of study.

Order Transcripts

## Priority Registration

Information on the Priority Registration Policy.

## Tuition and Other Expenses

For an estimated cost of attendance for the current year, including annual tuition costs, visit [financialaid.ua.edu/cost](http://financialaid.ua.edu/cost) or contact The Office of Financial Aid, Box 870162, Tuscaloosa, AL 35487-0162; 205-348-6756. The office is located at 106 Student Services Center.

For information about your student financial account or bill, contact Student Account Services, Box 870120, Tuscaloosa, AL 35487-0120; 205-348-5350. The office is located at 105 Student Services Center.

## Costs

For a complete list of current tuition costs and an estimated student budget for the current year, visit [studentaccounts.ua.edu/cost](http://studentaccounts.ua.edu/cost); contact The University of Alabama, Student Account Services, Box 870120, Tuscaloosa, AL 35487-0120; or call 205-348-5350. The main office is located in 105 Student Services Center.

College/course fees will vary depending on the student's actual course enrollment. College/course fees are listed online with applicable courses in the Web Schedule of Classes for the applicable term after logging into the MyBama account. To see the college fee rates per college, visit [studentaccounts.ua.edu/college-fee-rates-by-college](http://studentaccounts.ua.edu/college-fee-rates-by-college).

## Housing

UA offers a wide range of on-campus living options that include residence halls and apartments, some including utilities. For more detailed information and current rates, visit the Housing and Residential Communities website at [housing.sa.ua.edu](http://housing.sa.ua.edu); contact The University of Alabama, Office of Housing and Residential Communities, Box 870399, Tuscaloosa, AL 35487-0399; or call 205-348-6676 or toll free 888-498-2262. The main office is located in the Robert E. Witt Student Activity Center.

## Meal Plans & Dining Dollars

Bama Dining offers several meal plan options. For details and rates, visit the Bama Dining website at [bamadining.ua.edu](http://bamadining.ua.edu); contact The University of Alabama, Bama Dining Services, Box 870389, Tuscaloosa, AL 35487-0389; or call 205-348-6816. The main office is located in Lakeside Dining.

All undergraduate students enrolled in 9 credit hours or more on campus will participate in the Dining Dollars program. For current rates, visit <http://bamadining.ua.edu/dining-dollars/>. A Dining Dollars account is set up automatically on each student's Action Card. Dining Dollars can be used at all Bama Dining locations, Smoothie King at the Rec Center, most on-campus vending machines, several food trucks regularly on campus, Domino's, Ajian, Buffalo Phil's, Newk's, Papa John's, Glory Bound, and Ugo Delivery.

## Parking

If you will have an automobile/motorcycle on campus, you will need to purchase a parking permit from Transportation Services. For information and rates, visit the Transportation Services website at [bamaparking.ua.edu](http://bamaparking.ua.edu); contact The University of Alabama, Department of Transportation Services, Box 870179, Tuscaloosa, AL 35487-0179; or call

205-348-5471. Parking Services is located in the Campus Drive Parking Deck.

## Personal Expenses

Personal expenses are included in the student's estimated Cost of Attendance. Actual personal expenses will vary from student to student. For the current estimated annual financial aid budget, visit the Financial Aid website at [financialaid.ua.edu/cost](http://financialaid.ua.edu/cost). For additional information, contact The Office of Student Financial Aid, Box 870162, Tuscaloosa, AL 35487-0162; or call 205-348-6756. The office is located in 106 Student Services Center.

## General Payment Information

Students are expected to meet all financial obligations to the University by specified due dates in order to maintain their enrollment. Payment in full or Payment Plan participation is required for a student to maintain each semester's registration. **Students who have not completed payment for a term before the bill date of the next term will lose their ability to register for subsequent terms.**

Students will be notified via their @crimson email when a student account bill is available to review and pay. No paper bills will be mailed. Students will log in via their myBama account to view their account activity and make payment. Instructions for making payments can be found at Make a Payment or by viewing our How to Videos.

For important dates and more information see [studentaccounts.ua.edu](http://studentaccounts.ua.edu).

## Withdrawal from the University

It is the student's responsibility to officially withdraw from the University or from an individual course in accordance with University regulations. The Withdrawal (p. 24) section of the Undergraduate Catalog has the necessary instructions.

Please visit <https://studentaccounts.ua.edu/withdrawal-from-the-university/> for more information about the financial impacts of withdrawing, including information on how federal financial aid, loans, and scholarships may be impacted.

## Academic Enrichment Opportunities

Capstone International Center (p. 392)

College of Continuing Studies (p. 397)

English Language Institute (p. 398)

Honors College (p. 400)

Military Programs (p. 404)

Special Academic Programs (p. 408)

## Capstone International Center

Global and Cultural Perspectives Minor (p. 396)

Dr. Teresa E. Wise

Associate Provost for International Education and Global Outreach  
Office: 135 B.B. Comer Hall

The Capstone International Center (CIC) has multiple complementary units and functions, including intensive English language instruction, U.S. visa support and compliance, and education abroad. The Capstone International Center works with both international and domestic students, faculty, and staff members, as well as members of the local civic,



education, and corporate communities. The Center annually serves more than 1,200 international students on campus and makes possible the participation of UA faculty, students, and staff in a multitude of internationally focused degrees, research, and outreach programs. Education Abroad sends approximately 1,700 students abroad each year. The Center also oversees the Global and Cultural Perspectives Minor and the Fulbright Program for both students and faculty.

The CIC strives to achieve a global vision that prepares our students for the ever-evolving society and economy of a globally-connected world; attracts and supports all students who seek unique opportunities for global learning; supports research efforts that address the world's challenges and contribute to state, regional, and global success in economic and knowledge-creation realms; and develops a strategic core network of global partners for teaching, exchange, and research.

UA and CIC are active members of numerous international education organizations providing professional training, outreach to national and local governmental entities, and annual conferences to promote international education. Among others, these organizations include NAFFSA: Association for International Educators, the Institute for International Education (IIE), the Council on International Educational Exchange (CIEE), the Association of International Education Administrators (AIEA), the European Association of International Education (EAIE), the Fulbright Association, and the Forum on Education Abroad.

Through its three units, the English Language Institute (ELI), Education Abroad (EA), and International Student and Scholar Services (ISSS), the Center provides courses, programs, and activities to the constituents of The University of Alabama community.

## Fulbright Programs

The Capstone International Center encourages and facilitates active participation in all Fulbright programs. Since the founding of the Fulbright programs in 1948, more than 200 UA students, faculty, and professional staff members have received a prestigious Fulbright award. Their appointments have ranged from Austria to Zimbabwe. The University of Alabama has been a Top Producer for U.S. Student Fulbright Awards four times since 2015. More information is available from the CIC, 135 B.B. Comer Hall; 205-348-9002; or [fulbright@ua.edu](mailto:fulbright@ua.edu).

## Education Abroad

The Education Abroad office, a unit of the Capstone International Center, provides support to the UA community through identifying, developing, and administering overseas opportunities. Education Abroad offers academically challenging programs for students, promoting both academic and personal growth. The office is responsible for all of UA's global learning experiences. Exchange programs, affiliate programs, and numerous faculty-led programs are offered. Visit [studyabroad.ua.edu](http://studyabroad.ua.edu) to learn more about all of our study abroad programs.

## Exchange Programs

The University of Alabama offers several international exchange programs allowing students to study as visiting students at overseas universities. Each program gives students opportunities to learn in a foreign country and obtain firsthand knowledge of other people, language, and culture in addition to gaining course credits. In some cases, a working knowledge of the language of the host country is a prerequisite. In others, the language can be studied for the first time in the host country; sometimes, no language requirement is necessary (e.g., England and Australia). Students pay The University of Alabama tuition based on residency and are assisted in arranging the transfer of

credits through appropriate departments and divisions before departure. Graduate students should secure approval from the Graduate School before taking any overseas credit that they may wish to transfer.

International exchange programs are currently available to UA students at the following partner universities for either one or two semesters and, in some cases, summer study.

- Australia
  - Queensland University of Technology (Brisbane)
- Austria
  - University of Klagenfurt
- Belgium
  - Université de Liege
- Denmark
  - Aarhus School of Business
- England
  - University of Birmingham
  - University of Hull
  - University of Leicester
- France
  - Université François-Rabelais (Tours)
  - Bordeaux Business School
  - Université de Poitiers (Poitiers)
- Germany
  - Esslingen University of Applied Sciences
  - Offenburg University
  - Karlsruhe University of Applied Sciences
  - University of Augsburg
  - University of Mannheim
- Italy
  - Politecnico di Torino
  - University of the Sacred Heart (Milan)
  - Università degli Studi di G.d'Annunzio Chieti-Pescara
- Japan
  - Chiba University
  - Ritsumeikan University (Kyoto)
  - Hiroshima University
  - Meiji University
  - Kansai Gaidai University (Hirakata-City)
- Korea
  - Pusan National University
  - Yonsei University (Seoul)
  - Ajou University (Suwon)
- The Netherlands
  - Hanze University of Applied Sciences
- Scotland
  - University of Glasgow
- Taiwan
  - Feng Chia University (Taichung)
- Wales
  - University of Wales (Aberystwyth)

## Faculty-led Programs

In addition to its longer-term international exchange programs, The University of Alabama conducts many overseas study programs lasting from two to six weeks, most often during the summer and Interim sessions. These are normally led by UA faculty members. The number

of these programs has significantly expanded over the last few years. Scholarships and financial aid are available to students participating in these programs. Examples of programs and fields of study in recent years have included the following:

- UA in Oxford: English, history, honors
- UA in Belgium: Political science
- UA in France: French language, culture, and literature
- UA in Ghana: Service learning
- UA in Greece: Western civilization
- UA in Italy: Italian language and culture, art history
- UA in Spain: Spanish language and culture
- UA in Sweden: Political science
- UA in Europe: International Financial Reporting
- UA in Australia: International Business
- UA in South Africa: Resistance and Freedom
- UA in Colombia: Spanish Language and Culture

### **Affiliate Programs**

The University of Alabama also offers programs through third-party program providers, and students continually have positive feedback on their experiences with these providers. Students participating in these programs can use their UA scholarships and financial aid for funding. Also, students do not pay UA tuition but pay the program fee charged by the program provider and additional expenses, including, but not limited to, travel, personal, meals, visa, housing expenses, etc.

Similar to third-party affiliate programs, students also have the opportunity to spend a summer, semester, or academic year at several international universities with which we are affiliated. Participants in these programs can use their UA scholarships and financial aid for funding. Also, students do not pay UA tuition but pay the cost of attending the international university. A list of UA's Affiliate Programs and international university programs can be found online at [studyabroad.ua.edu](http://studyabroad.ua.edu).

### **Study Abroad Program Policies**

- Students participating in UA programs abroad must be in good academic standing. GPA requirements vary by program.
- All UA students participating in programs abroad will be cleared through the Office of Student Conduct.
- Students must submit all application and pre-departure requirements before program departure.
- Study abroad in countries where current U.S. Department of State Travel Advisories exist is subject to additional restrictions and requirements and may be denied.

Additional information about any international study program may be obtained from [studyabroad.ua.edu](http://studyabroad.ua.edu) or by visiting the Education Abroad office located in 144 B.B. Comer Hall. In the rare instance where The University of Alabama is unable to meet the overseas study needs of a student, Education Abroad provides information about additional international education opportunities available through study abroad at other institutions and organizations.

## **International Student & Scholar Services**

International Student & Scholar Services, a unit of the Capstone International Center, provides specialized services for international students, professors, research scholars, visitors, and their families.

ISSS' primary function is to provide visa support for these international members of the UA community. The office is responsible for the creation and ongoing maintenance and verification of visa support documents within the Student and Exchange Visitor Information System (SEVIS) for both F-1 student visas and J-1 student and scholar visas. These are ongoing services that monitor individual progress according to federal regulations. The office is also responsible for filing H-1B and other types of work-visa support documentation on behalf of international faculty and staff at UA.

ISSS conducts comprehensive orientation programs and provides vital information regarding U.S. immigration compliance as well as multicultural guidance and counseling. Great emphasis is placed on international student programming. ISSS coordinates a variety of student activities such as a weekly multicultural coffee hour, an international spouse support group, and an annual welcome reception for international students at the President's Mansion.

Professional staff members advise and assist the International Student Association, which represents all international students, and the many nationality organizations on campus. Professional work closely with community groups such as Tuscaloosa's International Friends (TIF), which sponsors a friendship family program for international students.

International Student & Scholar Services may be contacted by telephone at 205-348-5402; fax at 205-348-5406; email at [international@ua.edu](mailto:international@ua.edu), and by mail at Box 870254, Tuscaloosa, AL 35487-0254, USA. More information about office services, visa regulations, and processing of visa support is available online at <http://international.ua.edu/iss/>. International Student & Scholar Services is located in 105 B. B. Comer Hall.

## **English Language Institute (ELI)**

For the non-native speaker of English, The University of Alabama English Language Institute (ELI), a unit of the Capstone International Center, offers two types of year-round English-language programs: 1) The Intensive English Program which offers six sessions per year and six levels of proficiency, from beginning to advanced, and 2) Customized Group Programs which provide specially designed programs for groups of 10 or more participants. Also, the ELI offers the Academic Support Program, which provides opportunities for undergraduate students who may want or need additional English-language instruction.

To obtain more information about any of the ELI programs, contact The University of Alabama, English Language Institute, Box 870250, Tuscaloosa, AL 35487-0250; visit [eli.ua.edu](http://eli.ua.edu); call 205-348-7413; fax 205-348-9266; or email [info@eli.ua.edu](mailto:info@eli.ua.edu).

### **Intensive English Program**

The ELI Intensive English Program (IEP) is designed for individuals who need to learn English as a second language. The program focuses on preparing students for academic success, both in English-language proficiency and cultural awareness, for undergraduate and graduate study at The University of Alabama.

Six levels of study, from beginning to advanced, are available. Each level consists of a minimum of 20 hours of class per week. Sessions lasting 6-8 weeks are available six times per year in January, March, May, June, August, and October. Students may begin their English study at the beginning of any one of these sessions.

An ELI student wishing to enter an undergraduate degree program at The University of Alabama may meet UA's English proficiency requirements either by obtaining the required TOEFL (Test of English as a Foreign Language) score or by completing Level 6 with a minimum GPA of

2.0 in Levels 4, 5, and 6 or by completing The *Pathway to UA* Program. Conditionally admitted students who meet certain conditions (minimum TOEFL score and GPA) become eligible to enroll in *Pathway to UA* and take undergraduate courses while completing their ELI program of study. In such cases, the number of UA courses that an eligible student may take is determined by the ELI.

Students who apply for admission to UA and meet the academic and financial qualifications to enter the University but do not meet the English proficiency requirements may receive conditional admission. Such conditionally admitted students will not be eligible to begin an academic program and will be required to register for study in ELI until they satisfy the requirements for English proficiency for full or partial academic program enrollment.

## Intensive English Program Courses

### Structure: Levels 1 to 6

Structure courses provide students with the basic grammatical structures they will need to communicate effectively in English in four language skill areas: listening, speaking, reading, and writing. Each structure course emphasizes communication, both comprehension (listening and reading) and production (speaking and writing). Structure courses meet five hours per week.

### Speaking/Listening: Levels 1 to 6

ELI courses in Speaking/Listening provide students with the opportunity to improve their listening and speaking skills and to gain confidence in using English to communicate orally. Students practice appropriate conversation management skills, receive instruction on problem areas of pronunciation, and learn useful vocabulary. These activities are carried on through a variety of classroom exercises that focus on the everyday situations students are likely to encounter while adjusting to life in the United States. Speaking/Listening courses meet six hours per week.

### Reading/Writing: Levels 1 to 6

The Reading/Writing curriculum of the English Language Institute is designed to provide students with both the skills and the practice that is necessary for them to develop satisfactory reading and writing skills in English and eventually to function successfully in U.S. university courses where extensive academic reading and essay writing are required. Skill instruction, along with accessible, varied, and challenging tasks, invite students to invest their time and energy in constructing meaning from written texts, responding to those texts, and producing writings of their own. Students will acquire new vocabulary and develop effective reading strategies for different types of tests. Working on closely related reading and writing assignments, students will develop proficiency in understanding what they read and in thinking, drafting, and revising their own ideas by working through the writing process with input from their classmates and teachers. Reading/Writing courses meet nine hours per week.

### Culturally Speaking Class

Through the Culturally Speaking class, ELI students meet regularly with American students to converse in English in relaxed surroundings. Culturally Speaking provides a comfortable way for ELI students to form friendships with American students and to practice their English.

### Culture and Language Exchange Program

The Culture and Language Exchange Program matches the ELI students with UA students who are studying the ELI student's native language. Once matched, these pairs or groups of students then meet as often as they like for conversation practice in both English and in the particular foreign language.

## Customized Group Programs

ELI Customized Programs can be designed for 10 or more participants who are interested in customized dates and curricula. Such programs are typically designed for international English teachers, students whose international universities have approved given curricula for credit, international graduate students preparing to enter universities throughout the United States, and business professionals who wish to improve their overall effectiveness in English or to concentrate on specific skills, such as written communication.

An organization wishing to participate in such a program should clearly define the goals of its group and keep in mind that program enrollments typically require a minimum of 10 participants. Financial sponsorship for the above programs may come from ministries of education, embassies, corporations, private philanthropic organizations, U.S. or other government sponsoring agencies, or the individual participants themselves. Programs may be offered at any time of the year and typically range in length from two to six weeks.

## Academic Support Program

The ELI Academic Support Program provides opportunities for UA undergraduate students who may want or need additional English-language instruction. Newly admitted international students with IELTS Speaking sub-score of less than 6.0, a TOEFL iBT Speaking sub-score of less than 18, a DET overall score of less than 120, or a PTE Speaking sub-score of less than 51 will have to take ELC 110 Undergraduate Academic Speaking. Newly admitted international undergraduates with an IELTS Writing sub-score of less than 6.0, a TOEFL iBT Writing sub-score of less than 18, a DET overall score of less than 120, or a PTE Writing sub-score of less than 51 will have to take ELC 111 Undergraduate Academic Writing.

## Contact the ELI

To obtain more information about any of the above ELI programs, contact The University of Alabama English Language Institute, visit the ELI website ([eli.ua.edu](http://eli.ua.edu)) or contact the ELI at Box 870250, Tuscaloosa, AL 35487-0250; telephone 205-348-7413; fax 205-348-9266; or email [info@eli.ua.edu](mailto:info@eli.ua.edu).

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To obtain more information about any of the above ELI programs, contact The University of Alabama English Language Institute, visit the ELI website ([eli.ua.edu](http://eli.ua.edu)) or contact the ELI at Box 870250, Tuscaloosa, AL 35487-0250; telephone 205-348-7413; fax 205-348-9266; or email [info@eli.ua.edu](mailto:info@eli.ua.edu).

## Community and Corporate Outreach

Outreach is an essential function within the Capstone International Center, as evidenced by the annual Sakura (Cherry Blossom) Festival (focused on Japanese culture), International Education Week

activities, and the work of the English Language Institute (ELI). ELI provides the annual World Friends Day for local elementary schools, yearly summer programs for students from our sister city in Japan, on-site corporate programs, and tailored courses for the children and spouses of employees. A variety of activities are coordinated in conjunction with Japan America Society of Alabama (JASA), Rotary International Club of Tuscaloosa, Tuscaloosa's International Friends (TIF), Tuscaloosa Sister Cities International, AlabamaGermany Partnership, University Place School, and the Birmingham Committee on Foreign Relations. Also, CIC has previously worked extensively with the German Supplementary School for school-age children from Germany and the Japanese Supplementary School in Birmingham.

## Language Supplementary Schools

In 1995, the University, in cooperation with Mercedes-Benz U.S. International Inc., established the German Supplementary School to provide supplementary education in German to children ages six to 16 who will return to a German-speaking educational system after living in Alabama for several years. The school is no longer located on the UA campus, but CIC continues to work closely with Mercedes-Benz to promote German culture and language within the community. In addition, CIC works with the Birmingham Supplementary School for Japanese established by Honda to provide education to Japanese-speaking children.

## Japan Program and Sakura Festival

The Capstone International Center, working with numerous on- and off-campus partners, organizes the annual spring Sakura (Cherry Blossom) Festival and Haiku contest for the state of Alabama.

Reciprocal student exchange programs with Kansai Gaidai University in Osaka, Ritsumeikan University, Hiroshima University, and Chiba University allow qualified undergraduate students to study Japanese in Japan while undertaking Asian studies, humanities, social science, and science courses taught in English. Gilman and Freeman-ASIA scholarships for students on financial aid are also available.

## Global and Cultural Perspectives, Minor

The minor in Global and Cultural Perspectives introduces undergraduate students to the cultural, economic, physical, and political aspects of being a world citizen in the 21st century. The emphasis is on the contemporary rather than the historical. Students must successfully complete a total of 15 hours of coursework from the list of courses that accompanies this submission.

The minor allows students to explore the meaning of culture and discuss how it is acquired, to practice and develop cross-cultural communication skills, and to engage in activities that will help them become more aware of how diverse backgrounds affect the manner in which we communicate in both professional and non-professional/social settings. In addition, the minor increases students' awareness and knowledge of contemporary global geography, politics, and economics placed within the context of the history, politics, and culture of the locations and peoples involved.

Code and Title	Hours
<b>CORE COURSES (9 hrs)</b>	
<b>Required Introductory Course (3hrs)</b>	<b>3</b>
CIP 200 or Global & Cultural Perspectives	
CIP 202 Global&Cultural Persp: ExpLrng	
<b>Two from the following courses (6 hrs)</b>	<b>6</b>

ANT 102	Intro to Cultural Anthropology	
GY 105 or GY 110	World Regional Geography People, Places, & Environment	
REL 100 or REL 102	Intro To Religious Studies Religions of World	
SOC 101	Intro To Sociology	
<b>EMPHASIS AREA COURSES - 6 hrs from the following:</b>		<b>6</b>
AMS 151	America and the World	
AMS 231	Contemporary America	
ANT 210	Language and Culture	
ANT 275	Race, Ethnicity, & Human Var.	
ANT 311	Pop., Health & Human Origins	
ANT 402	Health Inequities	
ANT 405	Culture, Mind, and Behavior	
ANT 411	Culture, Health, and Healing	
ANT 412	Anthropology of Europe	
ANT 413	Peoples of Latin Amer	
ANT 438	Anthropology of Art	
ANT 440	Culture	
APR 426	International Public Relations	
ARH 378	Art of the African Diaspora	
ARH 381	Art Since World War II	
ARH 455	Topics In Asian Art	
BEF 360 or BEP 360	Social Psychol Foundtns Educ Social Psychol Foundtns Educ	
BEF 362	School, Culture, and Society	
COM 413	Communication & Diversity	
CTD 446	Cult Dynam Apparel Text	
CTD 447	Text Apparl Intnat Trade	
COM 465	Intercultural Communication	
EC 430	International Trade	
EC 431	International Finance	
EN 207	World Literature I	
EN 208	World Literature II	
EN 311	Special Topics In Literature	
EN 320	Intro To Linguistics	
EN 411	Adv Stdy Comptv Multi-Cutl Lit	
EN 429	Directed Readings	
GY 344	Geography Of Africa	
GY 346	Geography of Europe	
GY 377	Cultural Geography	
HHE 446	Health Disparities	
HY 378	Drugs, Booze, and Mexican Society	
IBA 250	Context of Global Business	
IBA 350	Introduction to World Business	
IBA 351	Multinat'l Bus. Communication	
IBA 455	Global Marketing	
JCM 312	International Cinema	
JCM 480	International Media Production	
JCM 494	Global Media Systems	
MUA 269	Chamber Music (African drumming only)	
MUS 250	Music In World Cultures	

NCLT 365	Cooperation & Conflict
NEW 237	Social Problems, Social Change
NEW 238	Honors: Coop. & Conflict
NEW 472	Social Change
NEW 474	Survival
NEW 490	Special Topics (Music & Activism: Global Case Studies OR Global Health)
PHL 343	PHL Issues-International Law
PSC 204	International Relations
PSC 332	Politics of Latin America
PSC 334	Government Politics West Europ
PSC 413	Amer Foreign Policy
PSC 434	Internatl Polit Econom
PSC 442	Internatl Conflict
PSC 444	International Organizations
REL 209	Buddhism
REL 220	Survey Of Asian Religion
REL 224	Judaism
REL 226	African Diaspora Religions
REL 236	Islam
REL 238	Philosophies Of Judaism
REL 321	Rel & Ident in South Asia
REL 322	Tales from Asia
SW 419	International Social Work
Independent study (all colleges) <sup>1</sup>	
Language study <sup>2</sup>	

**Total Hours** **15**

#### Footnotes

- Some colleges may require Emphasis hours for the minor to be taken at the -300 or -400 level. Please consult with the Global and Cultural Perspectives advisor to determine if courses may be used to satisfy Emphasis hours.

<sup>1</sup> Special topics/field education/directed readings with permission of department/professor and Global & Cultural Perspectives coordinator.

<sup>2</sup> All MLC & critical languages at the 300/400 level are eligible. NOTE: As course offerings change, subject to the approval of the Global & Cultural Perspectives advisor additional courses may be used to satisfy the emphasis hours.

## College of Continuing Studies

### Bama By Distance

More than ever before, students are choosing distance education to pursue their college degrees. The **College of Continuing Studies** delivers The University of Alabama's online degree programs to learners who are limited by time, geography, work schedules or personal obligations through Bama By Distance. Students may choose from a variety of formats designed to fit their schedules and learning styles such as online, interactive video conferencing, weekend classes, or online video-streamed classes. All degrees are conferred by the academic college in which their unique program of study is offered.

For more information on these programs, please call 205-348-0089 or toll free 800-467-0227, or e-mail [uadistance@ua.edu](mailto:uadistance@ua.edu). Visit the **Bama by Distance** website for more information.

Bama By Distance Student Services provides a University wide point of entry for students returning to campus or entering the University for the first time that wish to complete their degree via distance. Services provided include:

- assisting prospective, current, and returning students with the application process for admission into a distance learning program
- providing an online orientation for all distance students
- administrating test proctoring services for distance students (virtual, off-campus, and in our on campus testing services office)
- overseeing all College of Continuing Studies scholarships and grants for distance students
- serving as a point of contact for all military students with questions regarding distance degree programs, tuition assistance, and military benefits

For more information, contact Bama By Distance Student Services at [uadistance@ua.edu](mailto:uadistance@ua.edu), 800-467-0227 or (205) 348-0089, or visit [BamaByDistance.ua.edu](http://BamaByDistance.ua.edu).

#### Gadsden Education and Research Center

Established in 1946, The University of Alabama's Gadsden Education and Research Center is an off-campus program serving residents of northeast Alabama. The center offers graduate coursework for credit, noncredit programs for professional development and test services, as well as serving as a liaison to the University's main campus. Currently the center offers 4 complete graduate degrees in education, including a master's degree leading to Class A certification, an educational specialists degree leading to Class AA certification and doctoral programs. For more information, please call (256) 546-2886 or 1-888-223-4131, or visit [gadsden.ua.edu](http://gadsden.ua.edu).

## New College Life Track

The New College LifeTrack (NCLT) program is an interdisciplinary undergraduate distance learning program for adults whose educational needs cannot be met through traditional residential programs. Previously earned academic credits transferred from regionally accredited colleges or earned through national tests such as the College-Level Examination Program (CLEP), independent studies, out-of-class learning contracts, correspondence studies, classroom work and demonstrated prior learning may be applied toward a bachelor of arts (BA) or bachelor of science (BS) degree in interdisciplinary studies.

The NCLT program is intended to serve adult students whose opportunities to use currently available educational resources may be limited. Applicants must have high school diplomas or minimum General Education Development (GED) equivalency scores of 50, be 25 years of age or older and have educational goals attainable through the program. Applicants need not be Alabama residents. The degree is awarded through the College of Arts and Sciences.

For more information or to obtain a catalog and application, please call 800-452-5971 or visit [LearnOn.ua.edu](http://LearnOn.ua.edu). For specific NCLT curriculum requirements, please refer to the College of Arts and Sciences New College (p. 516) section of this catalog.

## UA Early College

Through The University of Alabama Early College program students may take college courses online or on campus while still in high

school, earning up to 30 credit hours. Dual enrollment allows students to apply their college level work to both their high school curriculum and their college curriculum. Early College allows high school students to earn college credit while still living at home. This, along with our scholarships, is a great way to save money. Please visit UA Early College website for additional details and application information.

## English Language Institute

### Intensive English Program

The ELI Intensive English Program (IEP) is designed for individuals who need to learn English as a second language. The program focuses on preparing students for academic success, both in English-language proficiency and cultural awareness, for undergraduate and graduate study at The University of Alabama.

Six levels of study, from beginning to advanced, are available. Each level consists of a minimum of 20 hours of class per week. Sessions lasting six to eight weeks are available six times per year in January, March, May, June, August, and October. Students may begin their English study at the beginning of any one of these sessions.

An ELI student wishing to enter an undergraduate degree program at The University of Alabama may meet UA's English proficiency requirements either by obtaining the required TOEFL or IELTS score or by completing Level 6 with a minimum GPA of 3.0 in Levels 4, 5, and 6. Conditionally admitted students who meet certain conditions may become eligible to enroll in credit-bearing courses while completing their ELI program of study. In such cases, the number of UA courses that an eligible student may take is determined by the ELI.

Students who apply for admission to UA and meet the academic and financial qualifications to enter the University but do not meet the English proficiency requirements may be admitted conditionally. Such students will not be eligible to begin an academic program and will be required to register for full-time or part-time study in ELI until they meet the English proficiency requirement as outlined above.

For more information, visit <http://international.ua.edu/eli>.

## Pathway to UA

*Pathway to UA* is an undergraduate conditional-admission program for students who:

- Want to earn a bachelor's degree at UA
- Meet the academic qualifications for undergraduate admission at UA
- Are non-native English speakers who do not have the required minimum proficiency in English
- Want to take courses for academic credit while completing the English requirement

For more information, visit <http://international.ua.edu/eli>.

## Semester Abroad at UA

Semester Abroad at UA is a one semester (or longer) undergraduate study-abroad program for students who:

- Are enrolled in a university outside the USA
- Want to study abroad and earn academic credit at The University of Alabama
- Are non-native speakers of English who want to earn academic credit, improve their English, and experience living and studying on the UA campus

For more information, visit <http://international.ua.edu/eli>.

## Academic Support Program

The ELI Academic Support Program provides opportunities for UA undergraduate and graduate students who may want or need additional English-language instruction. At the graduate level, ESL support courses in written and spoken English are available free of charge to full-time international graduate students each fall and spring semester. In addition, the ELI Study Center and the UA Language Resource Center are available for individualized language assistance.

Fully admitted undergraduate students who are non-native speakers of English may be required to enroll in supplemental support classes at the ELI during their first semester at UA. There are two such semester-long support classes offered during each Fall and Spring semester — *Undergraduate Academic Speaking (ELC 110)* and *Undergraduate Academic Writing (ELC 111)*. Both courses carry 3 hours of undergraduate academic credit at UA. Students who are required to enroll in one or both of these classes take them concurrently with an appropriate class load of other undergraduate courses. Students in the ELI's *Pathway to UA* program also take these classes during their final semester.

For more information, visit <http://international.ua.edu/eli>.

## International Teaching Assistant Program

The International Teaching Assistant Program (ITAP) provides training and evaluation for international students with graduate teaching assistantships. Participation in the ITAP program is mandatory for all non-native English-speaking GTAs and graduate assistants who have instructional responsibilities at the University.

For more information, visit <http://international.ua.edu/eli>.

## Customized Group Programs

ELI Special Programs consist of a variety of programs designed for groups of participants with mutual goals and concerns who desire highly specialized, intensive curricula. Such programs are typically designed for international English teachers, students whose international universities have approved given curricula for credit, international graduate students preparing to enter universities throughout the United States, and business professionals who wish to improve their overall effectiveness in English or to concentrate on specific skills such as written communication.

An organization wishing to participate in such a program should clearly define the goals of its group and keep in mind that program enrollments typically require a minimum of 10 participants. Financial sponsorship for the above programs may come from ministries of education, embassies, corporations, private philanthropic organizations, U.S. or other government sponsoring agencies or the individual participants themselves. Programs may be offered at any time of the year and typically range in length from two to six weeks.

For more information, visit <http://international.ua.edu/eli>.

## Contact the ELI

To obtain more information about any of the above ELI programs, contact The University of Alabama English Language Institute, visit the ELI website ([eli.ua.edu](http://eli.ua.edu)) or contact the ELI at Box 870250, Tuscaloosa, AL 35487-0250; Telephone 205-348-7413; Fax 205-348-9266; or Email [info@eli.ua.edu](mailto:info@eli.ua.edu).

## Intensive English Program (IEP) Testing and Academic Policies

### 1. PLACEMENT TESTING

The Placement Exam is given to new students on Day 1 of each session; students who arrive late are tested on Day 2 or later as they arrive. The Replacement Exam is offered near the end of the first day of classes and is available to new students who believe they may have been misplaced.

### 2. COURSE POLICY STATEMENTS

On the 1st or 2nd class day, students will receive from their teachers a written course policy statement listing learning outcomes, class requirements, and grading procedures.

### 3. TEXTBOOKS

Teachers will inform their students of the required textbooks for each of their ELI classes on the 1st day of class, and students must bring their own copies of the textbooks with them to class by the 3rd day of classes. Students who do not bring their textbooks with them by the 3rd day of classes will be counted absent.

### 4. NORMAL PROGRESS

Students are expected to make "normal/satisfactory progress" in their classes in each session of enrollment. This means that a student who begins in Level 1 should be able to complete the entire program (Levels 1-6) in one year (6 sessions).

While normal/satisfactory progress is generally defined as passing each class each session with a grade of C- or higher, the ELI recognizes that the rate of progress can be different from student to student and that some students may need more time to complete the program. For example, some students will find that they need to take some classes twice before they can pass.

### 5. STRONG EFFORT

Students are expected to show strong effort and do their best in ELI classes each session.

### 6. LACK OF PROGRESS

Students who do not have a passing grade (C- or higher) at midterm are required to meet with their teacher to discuss their lack of progress.

When students do not earn a passing final grade and therefore must repeat one or more classes, their teachers provide the ELI office with a "Lack of Progress" report on these students to indicate why they did not pass the class.

Students who receive failing grades because they do not attend class regularly or do not complete class assignments, or because they intend to fail in order to prolong their stay at the ELI, may be placed on Academic Probation or dismissed from the ELI. Students who do not pass or make good progress, but who do show good effort, are sometimes assigned "Targeted Tutoring." Students who are assigned Targeted Tutoring meet with their tutor regularly during the following session for instructional tutoring.

### 7. ACADEMIC PROBATION

Students may be placed on Academic Probation at the beginning of an IEP session if, during their most recent session, they (a) earned grades of F in all classes in which they were enrolled, or (b) are required to repeat a single class more than one time.

In order to help students on Academic Probation succeed in their classes, the ELI may provide them with special tutoring assignments. Academic Probation students are expected to take advantage of these assignments and work hard to pass their classes.

Students are typically removed from Academic Probation when they are not required to repeat any classes for the second time (i.e., they are not required to take a class for the third time).

### 8. ACADEMIC DISMISSAL

Students may receive Academic Dismissal from the ELI if they (a) are on Academic Probation, and (b) do not pass a class after repeating it for the second time (i.e., taking it three times), or (c) earn grades of F in all three classes for the second consecutive session.

Important: Being dismissed can negatively affect a student's visa status.

### 9. REPEATING CLASSES

a) Students who initially earn a final grade of A or B may not retake the class, whereas students who initially earn a final grade of D or F must repeat the class.

b) Students who initially earn a final grade of C may request permission to retake the class once. This request must be made prior to the designated deadline at the end of that same session. Students who voluntarily repeat a class may not repeat the class again, no matter what grade they earn.

Students who earn an ELI Certificate of Completion but who want to repeat eligible courses in Level 6 must do so during the very next ELI session.

Due to student-visa regulations, in some cases it may not be possible for students to repeat a class that they have passed with a C. Please check with the ELI office.

c) Continuing students may not repeat lower level classes. For example, once students have passed Structure 4 and take Structure 5, they may not retake Structure 4.

### 10. FINAL EXAMS

Except in rare circumstances, students cannot take their final exams early or late; final exams can only be taken on the designated final-exam days as scheduled on the IEP Session Calendar. Students who have a compelling reason to be absent during the designated final-exam days may request permission from the ELI Office to take their final exams late. (Late final exams can only be taken during the administration of the Placement Exam on the first day of the student's next session of enrollment.)

To request permission to be absent during the designated final-exam days and to take final exams late (i.e., on the first day of the next session), students must complete and submit a form entitled, "Request to Take Late Final Exams," which is available on the ELI website. After receiving a student's request, the ELI administration will decide whether or not to grant permission and will inform the student of the decision in writing.

### 11. "INCOMPLETE" GRADES

Students who receive permission from the ELI administration to take their final exams late will receive a temporary grade of "Incomplete" in each of their classes. These students must then take their missed final exams on the first day of the next session

when new students are taking the ELI Placement Exam, which is typically at 8:30 am. The student's final exams will be scored so that final grades can be calculated and substituted for the previous temporary grades of "Incomplete." (Students who have permission to take their final exams late but who do not come on the designated day and time to take their exams late will receive a grade of 0 on each of their exams, and their final grades will be calculated accordingly.)

## 12. ACADEMIC MISCONDUCT

Students are expected to be honest and do their own work in all matters that pertain to their academic work and grades. This means that students must not cheat on tests or copy ideas or sentences from other individuals. Attitudes and policies regarding academic misconduct vary from culture to culture, and it is important for students to be aware of the attitudes toward and consequences of academic misconduct in the US. Instances of academic misconduct at the ELI are initially handled by the student's instructor, with the ELI administration assisting as needed.

# Honors College Honors College Programs University Honors Program

The largest program in the Honors College is the University Honors Program (UHP). This program allows students to graduate with Honors via one of two pathways: University Honors or Accelerated Master's Program (AMP).

All incoming UHP freshmen are required to take an Honors Year One course in their first academic year. Either UH 100, offered in fall term only, or UH 110, offered in the spring or summer terms, will satisfy the Honors Year One requirement. (Transfer students and current students admitted to the Honors College after the completion of at least two semesters of coursework at UA are not required to complete the Honors Year One course.)

Further details of the UHP curriculum for each of the two pathways are listed below. All UHP students are required to complete:

<b>University Honors Program</b>	<b>Hours</b>
<b>Honors Year One Requirement</b>	<b>2</b>
UH 100 or Honors Year One: Honors Connections	
UH 110 Honors Year One: Honors Engagement	
<b>Required Honors Course</b>	<b>2-3</b>
UH 200 or Life as a Scholar	
UH 205 Social Foundations of Community Engagement	
<b>Select One Option</b>	
University Honors Option, Accelerated Master's Program Option	
<b>Option I: University Honors</b>	
<b>Restricted Electives</b>	<b>6</b>
Select at least one 200 level UH course in addition to UH 200 or UH 205	
Select at least one 300 level UH course	
<b>Elective Courses</b>	<b>4-5</b>
Select from all UH courses or from departmental Honors courses	
<b>Honors Capstone Experience</b>	<b>3</b>

The Honors Capstone Experience is designed to be the culmination of an Honors student experience in the University Honors Program. It may be taken within the Honors College or through the student's major department or other academic unit. Regardless, it must be designed to allow each student the opportunity to demonstrate their abilities. Prerequisites: At least one 300 level UH course and senior standing

## Option II: Accelerated Master's Program

### Restricted Electives **3**

Select at least one 200 or 300 level UH course in addition to UH 200 or UH 205

### Accelerated Master's Program Courses **Varies**

Note: If an AMP program requires less than 11 credit hours, the balance of hours must be completed with any UH, departmental Honors, or graduate-level course(s)

No more than three hours of pass/fail courses can be counted towards the Honors College requirements.

Honors College courses that **fulfill the HYO requirement** include:

- [UH 100 Honors Year One: Honors Connections](#) : All Honors Connection courses are two credit hours and standard letter grade.
- [UH 110 Honors Year One: Honors Engagement](#) : All Honors Engagement courses are two credit hours and standard letter grade.

**Students must receive a grade of "C" or better in UH 100 or UH 110 in order for the course to fulfill the HYO requirement.**

## Admission Requirements

**Future Students** may apply to the UHP after they have been admitted to The University of Alabama (UA). The requirements for admission to the UHP are a 30 ACT/1360 SAT and a 3.5 high school GPA or higher. Because of our commitment to meeting the needs of students from within the state, Alabama high school graduates have another path to admission if they are within the top 5% of their class and have at least a 28 ACT/1310 SAT or higher and a 3.5 or higher GPA. Although there is no formal deadline to apply to the UHP, incoming freshmen should apply as soon as possible to facilitate registration for Honors housing. All eligible students who apply after the registration deadline for a semester will be admitted for the next semester.

**Current UA Students** admitted as full-time undergraduates with at least 12 UA hours and a minimum 3.5 UA GPA and **Incoming Transfer Students** with at least 12 overall hours and a minimum 3.5 overall GPA will be accepted to the UHP upon submission of their applications. All current UA students admitted to the UHP are strongly encouraged to meet with an Honors College academic advisor **before** registering for Honors courses (348-5500).

## Retention Requirements

The UHP retention policy considers a student's UA GPA and the rate of UHP course completion. In order to remain in good standing in UHP, students must maintain a 3.5 UA GPA, and complete UHP coursework at a certain rate, including Honors Year One in the first year. UHP will review each student's UA GPA at the conclusion of each academic year.

Students who fail to meet the UA GPA or any additional requirements will be placed on probation. If at the end of the probation year the student has not shown significant progress, they will be suspended from UHP. **Failure to complete an HYO course in the first two semesters will result in automatic suspension from UHP.** Students who are suspended will receive an email to their Crimson email address.



## Graduation Requirements

To complete the requirements of the UHP, all students are required to earn at least 18 hours of Honors credit and graduate with a UA GPA of at least 3.5. Students must apply for graduation with the Honors College in addition to their official UA graduation application in order to have Honors designations displayed on their transcript and official graduation documents. The Honors College graduation application is available to students at no additional cost.

For more information regarding admission, retention, and graduation, visit [honors.ua.edu](https://honors.ua.edu)

## Randall Research Scholars Program

The Randall Research Scholars Program is an Honors College program and all information regarding admission, academics, retention, and graduation can be found here (p. 402).

## Honors College Graduation Requirements

To complete the requirements of the Honors College, all students are required to earn a UA GPA of at least 3.5. Students must apply for graduation with the Honors College in addition to their official UA graduation application in order to have Honors designations displayed on their transcript and official graduation documents. The Honors College graduation application is available to students at no additional cost.

## University Fellows Experience

The University Fellows Experience is an Honors College program and all information regarding admission, academics, retention, and graduation can be found here (p. 403).

## Honors College Graduation Requirements

To complete the requirements of the Honors College, all students are required to earn a UA GPA of at least 3.5. Students must apply for graduation with the Honors College in addition to their official UA graduation application in order to have Honors designations displayed on their transcript and official graduation documents. The Honors College graduation application is available to students at no additional cost.

## Honors College Partner Programs

### Honors College Graduation Requirements

To complete the requirements of the Honors College, all students are required to earn a UA GPA of at least 3.5. Students must apply for graduation with the Honors College in addition to their official UA graduation application in order to have Honors designations displayed on their transcript and official graduation documents. The Honors College graduation application is available to students at no additional cost.

## Blount Scholars Program

The Blount Scholars Program is a College of Arts & Sciences program and all information regarding admission, academics, retention, and graduation can be found here (p. 444).

## McCullough Scholars Program

The McCullough Scholars Program is a College of Arts & Sciences program and all information regarding admission, academics, retention, and graduation can be found here.

## CREATE Path to the MBA

The CREATE Path to the MBA is a Culverhouse College of Business program and all information regarding admission, academics, retention, and graduation can be found here.

## STEM Path to the MBA

The STEM Path to the MBA is a Culverhouse College of Business program and all information regarding admission, academics, retention, and graduation can be found here.

## EPIC Scholars Program

The EPIC Scholars Program is a College of Engineering program and all information regarding admission, academics, retention, and graduation can be found here (p. ).

## Educational Studies Minor

The Educational Studies Minor is a College of Education program and all information regarding admission, academics, retention, and graduation can be found here.

### RRS101 Randall Research Scholars Freshman Seminar 1 *C, UH*

Hours 4

Taken by first-year students in the Randall Research Scholars Program, this course provides an accelerated introduction that uses algorithmic thinking to develop computational artifacts. Open only to students admitted to the Randall Research Scholars Program. Computing proficiency is required for a passing grade in this course.

Computer Science, University Honors

### UH100 Honors Year One: Honors Connections *UH*

Hours 2

Honors Connections introduces first-year students to the UA Honors College experience. The aim of this course is to aid each student in finding and interrogating their place within the Honors College, the University of Alabama and the greater community. Students will learn and practice the key concepts of engaged scholarship, including critical and creative thinking, ethical and empathic dialogue, and collaborative and inclusive leadership. Students will gain a practical understanding of the Honors College and their role within it, while also building relationships that foster continued participation in the kinship of scholars.

University Honors

[View All Courses](#)

## Faculty

### Dean

Dr. Tara Williams

### Associate Deans

Dr. Ross Bryan

Dr. Cassander Smith

### Founding Dean Emeritus

Dr. Robert Halli

### Associate Professors

Dr. Ross Bryan

Dr. Jacqueline Morgan

Dr. Bradley Tuggle

### Assistant Professors

Rob Alley

Dr. Megan Bailey

Dr. Thomas Herwig

Dr. Anne Franklin Lamar

Dr. John Latta

Dr. Tara Mock

Dr. Kathryn O'Harra

Dr. Guy Schuh

Dr. Darren Surman

#### **Professor and President Emeritus**

Dr. Robert Witt

#### **Faculty Directors**

Dr. Jeff Gray - Director of Randall Research Scholars Program

Dr. Anne Franklin Lamar - Director of Honors Year One

Dr. John Latta - Director of International Honors Education

Dr. Carmen Mayer - Director of External Scholarships and Fellowships

Dr. Jacqueline Morgan - Director of University Fellows Experience

Dr. Bradley Tuggle - Director of University Honors Program

#### **Staff**

Jessica Aguilar

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Brandon Chalmers

Taylor Clark

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Erin Jett

Cory Jones

Brooke McCorkle

Nancy Norwood

Neely Portera

Shannon Roulaine

Claire Stebbins

Brandon Wingle

#### **Artist-In-Residence**

Chip Cooper

## **Catherine J. Randall Research Scholars Program (Minor)**

The Catherine J. Randall Research Scholars Program is a nationally recognized interdisciplinary, undergraduate research program that pairs exceptional, highly motivated students directly with leading research professors and cutting-edge computational techniques to complete scholarly research projects in diverse fields of study. Regardless of the field that students intend to pursue, the skills they develop in applying research methods, project management and problem-solving techniques will contribute to their success in any academic pursuit or future career.

Founded in 1968 as the Computer-Based Honors Program, the Randall Research Scholars Program (RRSP) was the nation's first interdisciplinary undergraduate research program and has been cited as one of the six most intriguing research programs in the country by the National Institute of Education. After over 50 years of tradition and excellence, the RRSP continues to be an innovative leader in connecting undergraduate students to research opportunities.

Students whose careers will be defined through their research endeavors are accepted into the program during their final year of high school through a highly selective application process. During their freshman year, this cohort of RRSP students complete an intensive series of courses on problem-solving techniques, computational techniques, project management principles, and research fundamentals. These essential skills enable students to quickly learn and adapt to the new knowledge domains and technical environments required for faculty-directed research projects.

Throughout their sophomore to senior years, the RRSP students will select research projects to work on with a faculty member who will serve as the project director. Students are required to present their research to a diverse range of audience members, venues, and media to facilitate knowledge transfer and professional growth. Students will typically work on projects in areas related to their academic discipline; however, they may elect to work in an unrelated field to challenge themselves and broaden their exposure to academic disciplines and research.

**Program Background:** The mission of RRS is to guide students to achieve the highest level of research in terms of quality, depth, and professionalism, and to foster an interdisciplinary community of students who push one another to new heights. Through this experience, students learn how to conduct research employing computing technologies associated with the study of a research phenomenon. The student, in consultation with the Program Director, shall choose a research project and work under the mentorship of a faculty member in a selected field of study. The faculty member will serve as the project director and the student will serve as a research assistant. The student and faculty member will negotiate a contract for the scope of work the student is to accomplish during the specified academic period. The student will participate in the project design, execution, interpretation, and communication of the results of the project. The project director will be responsible for supervision of the student and evaluating the quality, depth, timeliness, and professionalism associated with the student's work process and product.

Through this program, students will develop skills and competencies to conduct and interpret research and will learn to:

- Read critically to pose questions and identify key issues to explore; analyze and explain the logic, line of reasoning, and validity of an argument; and to use theoretical frameworks, appropriate methodologies, and analytic techniques to systematically explore issues, objects, ideas, or problems.
- Investigate and effectively apply computational techniques to the research process. Students will learn about the foundations of computational techniques as well as technologies used to facilitate the execution of activities at various phases of a research project.
- Think critically in order to identify, compare, and interpret multiple perspectives about an issue and to evaluate objections, implications, and limitations of alternate perspectives.
- Innovate: Students will be able to identify and practice the necessary relationships between creativity, risk, failure, and resiliency. Students will be able to synthesize ideas and formulate a well-reasoned argument

using data and information from various sources to develop and support an argument.

- **Communicate effectively:** Students will be intentional about practicing the skills of speech, writing, and other forms of communication while considering audience, context, and purpose while striving to become engaged participants in the conversations that shape our world.

- **Reason and Act ethically:** Students will learn how to balance the expression of their own voices, values, and ideas with those that come from listening to others, and learn why this balance is necessary for the advancement of knowledge and society. Students will explore potential implications of their research.

Course-specific student learning outcomes may be found on the published course syllabus.

For more information, contact The University of Alabama Honors College, Randall Research Scholars Program, Box 870169, Tuscaloosa, AL 35487-0169; (205) 348-5500; honors.ua.edu.

**Admission to the RRSP:** The RRSP accepts up to 40 first-semester incoming freshman students each year through a competitive selection process. All interested [Honors College-eligible](#) incoming freshmen should complete the Randall Research Scholars application. Applicants should be prepared to respond to essay prompts to complete the RRSP application.

The RRSP selection committee will consider each applicant's academic record and extracurricular, service, and leadership achievements along with the application to identify a select group of finalists for program consideration. Selections for program admission are made in the spring semester before the first fall academic semester of the student at UA. For more information visit the RRSP website.

#### RRS Advancement Requirements

1. A student must make a minimum grade of B in RRS 101 to advance to RRS 102.
2. A student must make a minimum grade of B+ in RRS 102 to advance to RRS 201.
3. Students must take the RRS 201 seminar before advancing to the RRS 202 or 300-400 level RRS seminars.

#### RRS Retention Requirements

1. No student may remain in the Randall Research Scholars Program with a grade at or lower than a B- in any RRSP class.
2. A student receiving a B+ or B in any 200-400 level RRSP class will be put on automatic probation in the program. If a student continues on probation for two consecutive semesters, they will be suspended from the RRSP.
3. For all RRS 200-400 level seminars, a grade of "Incomplete" must be cleared within 12 months of the end of the term in which it was awarded. Otherwise, the grade of "I" will be changed to "F" and the student will be suspended from the RRSP. If an "I" grade remains in place upon graduation, the "I" will automatically compute as an "F" and the RRS minor will not be awarded.
4. RRSP students must maintain a 3.50 overall GPA to remain in good standing in RRS.

#### RRSP Minor Graduation Requirements

To complete the requirements for the Randall Research Scholars minor, students must complete a total of 20 RRS designated course credit hours and maintain an overall GPA of 3.50. Students are required to successfully complete both RRS 101 (4 credit hours) and RRS 102 (4

credit hours) before advancing to the research project seminars. The remaining 12 hours for completion of the minor may be accomplished by taking RRS 201 (3 credit hours), RRS 202 (3 credit hours) and any combination of the remaining RRS research seminars. These research seminars consist of research project work (9 to 12 hours per week) combined with a research methods, project management, and professional development component.

#### Additional Honors and Core Course Designations:

RRS 101, RRS 102, and RRS 201 carry the C core designation.

RRS 101 fulfills the Honors Year One requirement.

**University Honors Designation** will be granted to RRS students who complete the RRS minor and have the requisite honors GPA.

Randall Research Scholars Program Course List		Hours
<b>Freshman Seminars: 8 Hours Required</b>		
RRS 101	RRS Freshman 1	4
RRS 102	RRS Freshman 2	4
<b>Sophomore Seminars: 6 Hours Required</b>		
RRS 201	RRS Sophomore Seminar 1	3
RRS 202	RRS Sophomore Seminar 2	3
<b>Junior/Senior Research Seminars: 6 Hours Required - May be any combination of the remaining courses</b>		
RRS 301	RRS Junior Research Seminar 1	3
RRS 302	RRS Junior Research Seminar 2	3
RRS 451	RRS Senior Research Seminar 1	3
RRS 452	RRS Senior Research Seminar 2	3
RRS 425	RRS Research Project	1-6

## Faculty

### Director

Dr. Jeff Gray

### Program Manager

Jane Batson

### Instructor

Darren Evans-Young

## University Fellows Experience

Following the classical purpose of education, the production of good citizens, the University Fellows Experience strives to prepare the most able and dedicated students at The University of Alabama for remarkable lives of leadership in and service to their community, state, nation, and world. Thomas Henry Huxley wrote, "The great end of life is not knowledge, but action." Similarly, our mission is to shape and enable students with exceptional innate gifts and abilities to use the knowledge gained for leadership and service. It is expected that throughout their lives, University Fellows will make a difference for the good, again and again.

Upon completing their four-year experience, students should be able to address, through an understanding grounded in practice, the following critical questions pertaining to leadership, scholarship, and citizenship:

- *Engaged citizenship:* What does caring deeply about the world look like?
- *Empathetic, dynamic leadership:* What are best practices for effective leadership in today's highly dynamic and diverse environments?

- *Ethical, transformative scholarship*: What does it mean to be a transformative ethical scholar?

#### Admission and Graduation Requirements

Acceptance into the UFE is extremely competitive. A student with a composite ACT score of at least 32 or a SAT score of at least 1400 (verbal and quantitative) and a high-school GPA of at least 3.8 who is accepted into UA by the UFE application deadline will be invited to apply for the University Fellows Experience. A student eligible for the Honors College (minimum 30 ACT/1360 SAT and 3.5 high-school GPA) may be nominated for the University Fellows Experience by a high-school representative or a UA faculty or staff member. The UFE selection committee will consider a candidate's records of academic, extracurricular, service and leadership achievements more heavily than grades and test scores.

To complete the requirements of the Social Innovation and Leadership minor, students must maintain an overall GPA of 3.5 and complete 15 credit hours of UFE coursework, OR 6 UFE-designated courses, plus additional credit hours of approved elective coursework for a total of 18 credit hours.

Social Innovation and Leadership Minor		Hours
UFE 101	Understanding Poverty	3
UFE 102	Social Investing and the Role of Innovation	3
UFE 201	SystemicChange:Soc Entpren	2
UFE 202	Soc Innov:Collective Impact	2
UFE 301	Leadership and Change: A Global Perspective	1
UFE 302	Impacting a Global Society	1
UFE 303	Making an Impact	1
UFE 400	Magnum Opus Experience (UFE 400 may be repeated as an elective for 3 credit hours )	3
Approved Electives		Varies
Any 300 level UH course or an approved 300 or 400 level course. UFE 400 may be repeated to fulfill the elective credit requirement.		
<b>Total Required Hours</b>		<b>18</b>

#### Contact

For more information, contact The University of Alabama Honors College, University Fellows Experience, Box 870169, Tuscaloosa, AL 35487-0169; (205) 348-5500; honors.ua.edu.

#### Faculty

##### Director

Dr. Jacqueline Morgan

##### Assistant Director

David Bolus

## Military Programs

Air Force Studies (Air Force ROTC) (p. 404)

Officer Training Corps Studies (Army ROTC) (p. 407)

### Air Force Studies (Air Force ROTC)

The program in Air Force Studies affords students opportunities to learn about the United States Air Force and its role in national security while exploring the opportunity to earn an Air Force officer's commission concurrent with a college degree. Freshman and sophomore courses are open to all students and incur no military obligation. The courses are fully accredited, one-hour electives. To enroll in Air Force ROTC, a student

simply registers for a course in Air Force Studies. Air Force ROTC courses are currently not offered through distance learning.

## Officer Training Corps Studies (Army ROTC)

Army ROTC is a college elective that focuses on leadership and management skills. The ROTC program consists of the Basic Course and the Advanced Course. The Basic Course provides college students the opportunity to learn about and experience the U.S. Army without incurring any military obligation during their freshman and sophomore years. The Advanced Course prepares juniors, seniors and graduate students for commissioning as officers in the active U.S. Army, U.S. Army Reserve or Army National Guard. Army ROTC courses are currently not offered through distance learning.

#### Lieutenant Colonel

- Mark E. Valdez, Lt Col, USAF Commander and Professor of Aerospace Studies
- LTC Antwan D. Brown, Department Chair and Professor of Military Science

#### Faculty

##### Lieutenant Colonel

Mark E. Valdez, Lt Col, USAF Commander and Professor of Aerospace Studies

LTC Antwan D. Brown, Department Chair and Professor of Military Science

## Air Force Studies (Air Force ROTC)

Air Force ROTC prepares young men and women to become officers in the U.S. Air Force, but it's also much more. Students grow mentally and physically as they acquire strong leadership skills that will benefit them not only in the military but in life. They'll develop lifelong friendships and have unique experiences. Plus, unlike many college students, Air Force ROTC students have a management position waiting for them after graduation in one of the world's top high-tech organizations—the U.S. Air Force. Air Force ROTC is a college-level program that augments a student's academic degree program and focuses on developing top quality leaders. ROTC courses are considered electives for which students receive academic credit.

To become a Commissioned Officer in the U.S. Air Force, students must complete the three- or four-year AFROTC program. Therefore, it's a good idea to enroll in AFROTC at the same time you enroll in your first college courses.

If you're already in college, it's not too late to experience the benefits of joining Air Force ROTC. There are options for you even if you start after your freshman year. In ROTC, you'll learn useful life and leadership skills as you prepare to become an Air Force Officer and earn your college degree. You'll have people challenging and helping you to accomplish your personal best in academics and physical fitness.

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service.

**AFS101 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for first-year AFROTC cadets.

**AFS102 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for first-year AFROTC students/cadets.

**AFS110 Heritage and Values**

Hours 1

'Heritage and Values' provides an introduction to the Air and Space Forces, allowing students to examine general aspects of the Department of the Air Force, leadership fundamentals, service benefits, and opportunities for officers. The course also lays the foundation for becoming an Air or Space professional by outlining heritage and values. This course provides a historical perspective on airpower providing students with a knowledge-level understanding for the employment of air and space power, from an institutional, doctrinal, and historical perspective. Students will be introduced to the Air Force way of life and gain knowledge on what it means to be an Air or Space professional. AFS 101 Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

**AFS120 Heritage and Values**

Hours 1

'Heritage and Values' provides an introduction to the Air and Space Forces, allowing students to examine general aspects of the Department of the Air Force, leadership fundamentals, service benefits, and opportunities for officers. The course also lays the foundation for becoming an Air or Space professional by outlining heritage and values. This course provides a historical perspective on airpower providing students with a knowledge-level understanding for the employment of air and space power, from an institutional, doctrinal, and historical perspective. Students will be introduced to the Air Force way of life and gain knowledge on what it means to be an Air or Space professional. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

**AFS201 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for second-year AFROTC students/cadets.

**AFS202 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for second-year AFROTC students/cadets.

**AFS230 Evolutn Of Us Air Power**

Hours 1

A course designed to examine general aspects of air power from a historical perspective. The course covers the period from the first balloons and dirigibles to the space-age systems of the Global War on Terror. Historical examples are provided to show the development of Air Force core functions to demonstrate the evolution of what has become today's USAF. Furthermore, the course examines several fundamental truths associated with war in the third dimension, e.g., principles of war and tenets of air power. As a whole, this course provides the students with a knowledge-level understanding for the general employment of air power, from an institutional, doctrinal, and historical perspective. In addition, what the students learned about the Air Force Core Values in AS100 will be reinforced through the use of operational examples, and they will complete several writing and briefing assignments to meet Air Force communication skills requirements. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

**AFS240 Evolutn Of Us Air Power**

Hours 1

A course designed to examine general aspects of air power from a historical perspective. The course covers the period from the first balloons and dirigibles to the space-age systems of the Global War on Terror. Historical examples are provided to show the development of Air Force core functions to demonstrate the evolution of what has become today's USAF. Furthermore, the course examines several fundamental truths associated with war in the third dimension, e.g., principles of war and tenets of air power. As a whole, this course provides the students with a knowledge-level understanding for the general employment of air power, from an institutional, doctrinal, and historical perspective. In addition, what the students learned about the Air Force Core Values in AS100 will be reinforced through the use of operational examples, and they will complete several writing and briefing assignments to meet Air Force communication skills requirements. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

Prerequisite(s) with concurrency:

**AFS301 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for third-year AFROTC cadets.

**AFS302 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for third-year AFROTC cadets.

**AFS350 Leadership & Communication**

Hours 3

A study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course. Students enrolled in AFS 350 and AFS 360 courses are AS 300-level cadets who are in their junior year of AFROTC program, unless approved otherwise.

**AFS360 Leadership & Communication**

Hours 3

A study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course. Students enrolled in AFS 350 and AFS 360 courses are AS 300-level cadets who are in their junior year of AFROTC program, unless approved otherwise.

**AFS401 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for fourth-year AFROTC cadets.

**AFS402 Leadership Laboratory**

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for fourth-year AFROTC cadets.

**AFS470 Nat'l Security & Leadership**

Hours 3

Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course. Students enrolled in AFS 470 and AFS 480 courses are AS 400-level cadets who are in their final academic year of AFROTC program, unless approved otherwise.

**AFS480 Nat'l Security & Leadership**

Hours 3

Examines the national security process, regional studies, advanced leadership ethics, and Air Force doctrine. Special topics of interest focus on the military as a profession, officership, military justice, civilian control of the military, preparation for active duty, and current issues affecting military professionalism. Within this structure, continued emphasis is given to refining communication skills. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course. Students enrolled in AFS 470 and AFS 480 courses are AS 400-level cadets who are in their final academic year of AFROTC program, unless approved otherwise.

To become Commissioned Officers in the U.S. Air Force through AFROTC, students must enroll in the three- or four-year program that includes registering for Air Force Studies academic courses and leadership laboratory, participating in physical training and meeting other military eligibility criteria. Although the three-year program is available, it is competitive; therefore, it's a good idea for students to enroll in AFROTC at the same time they enroll in their first college courses (freshman year).

Fall Semester: AFS 101 Leadership Laboratory & AFS 110 Heritage and Values

Spring Semester: AFS 102 Leadership Laboratory & AFS 120 Heritage and Values

If students are not sure they want to become commissioned officers in the Air Force, they can try out the program. They will have people challenging and helping them to accomplish their personal best in academics and physical fitness. Whether a student is just trying the program out or he or she has the desire to commission, there is no commitment to the Air Force when enrolling in the program.

There is a three-part application process that all applicants must complete to be officially enrolled into AFROTC Det 010. The first step of the three-part application process is the Web Based (online) application. To access the application please visit [wings.holmcenter.com](http://wings.holmcenter.com).

Students are furnished uniforms and other necessary items through the AFROTC supply officer. At the end of the academic year or upon a student's withdrawal, uniforms and all other supplies must be returned to AFROTC within 72 hours. Uniforms must be dry cleaned prior to turn in. Students who fail to return required items to the detachment will receive a "hold" on their student account until all items are returned.

PHYSICAL FITNESS ASSESSMENT

- MUST have sports physical (AFROTC Form 28) submitted at Orientation
- PFA consists of:
  - Abdominal Circumference (Waist) Measurement
  - 1 minute push-ups
  - 1 minute sit-ups
  - 1.5 mile run

#### ATHLETIC ATTIRE

- The following is required before your Physical Training Uniform (PTU) is issued:
- *Orientation paperwork completed*
- T-Shirt (must be solid gray, light gray, blue or black)
- Tennis shoes (no limitations on color/style)
- White or black athletic socks
- Cold weather athletic apparel

#### BUSINESS CASUAL ATTIRE

- Will be worn to Leadership Lab and ROTC class until your blues uniform is issued
- Khaki slacks, any brand in a tan or light brown color
- Black or navy blue short-sleeve polo-style shirt
- Black or brown leather dress shoes; no canvas or sports shoes; no open-toe/heel shoes
- Black or navy blue socks
- Black or brown belt (to match shoes) with shirt tucked into trousers

### Faculty

#### Lieutenant Colonel

Myla M. Abejuela, Lt Col, U.S. Air Force ROTC Detachment 010  
Commander and Professor of Aerospace Studies

#### Operations

Samuel R. Herring, Maj, USAF Assistant Professor of Aerospace Studies  
AFROTC Detachment 010

#### Recruiting

Jolie K. Grossman, Capt, USAF Recruiting Officer AFROTC Detachment 010

#### Education

Aaron J. Clinton-Earl, Capt, USAF Assistant Professor of Aerospace Studies  
AFROTC Detachment 010

#### Administration

Donald R. Vo, SSgt, USAF NOCIC, Cadet Administration Management  
AFROTC Det 010

#### Personnel

Lewillie K. Neal, TSgt, USAF NCOIC, Personnel AFROTC Det 010

#### Program Assistant

Trista Elmore, Program Assistant AFROTC Det 010, The University of Alabama

## Officer Training Corps Studies (Army ROTC)

Army ROTC is a college elective focusing on leadership and management skills. The ROTC program consists of the Basic Course and the Advanced Course. The Basic Course provides college students the opportunity to learn about and experience the U.S. Army without incurring any

military obligation during their freshman and sophomore years. The Advanced Course prepares juniors, seniors, and graduate students for commissioning as officers in the active U.S. Army, U.S. Army Reserve, or Army National Guard.

## Two-Year or Four-Year Program

The program in military science may be completed in either two or four years. The two-year program requires students to have a minimum of 54 semester hours and meet the qualifications to enter the Advanced Course. One of the following qualifications are required to enroll in the Advanced Course: Complete ROTC Basic Course, Cadet Initial Training, 4 Years JROTC, or Completion of Basic Training. All students entering the Advanced Course must be eligible to contract with the Army.

### Basic Course

The Basic Course refers to freshman- and sophomore-level military science electives. Students wishing to enter the Basic Course simply register for one or more of the course electives. There is no military obligation incurred by taking these electives for freshman students or non-scholarship sophomores. The minimum electives necessary for completing the Basic Course follow:

Code and Title	Hours
MIL 110 Leadership/Natl Security	1
MIL 111 Leadership Application I	1
MIL 120 Foundatn Leadership Team Develm	1
MIL 121 Leadership Development	1
MIL 210 Basic Leadership Skills	2
MIL 211 Basic Leadership Development	1
MIL 220 Military Leadership Skills	2
MIL 221 Mil Leadership Mgt Applicn II	1
MIL 335 American Military Experience	3
<b>Total Hours</b>	<b>13</b>

### Advanced Course

The Advanced Course consists of junior- and senior-level Military Science electives. The course requires students to take the electives in sequence, unless authorized by the professor of military science, and complete Advance Camp. Advance Camp is a paid, 32-day leadership evaluation course conducted at Fort Knox, Kentucky, during the summer between the junior and senior years. The Advanced Course consists of the following core courses:

Code and Title	Hours
MIL 310 Small Unit Tactical Leadership	3
MIL 311 Small Unit Leader Appl Lab I	1
MIL 320 Advanced Leadership Skills	3
MIL 321 Small Unit Leader Appl Lab II	1
MIL 410 Military Science IV	3
MIL 411 Adv Leadership Applicatn Lab I	1
MIL 420 Military Science IV	3
MIL 421 Adv Leadersh Applicatn Lab II	1
MIL 493 Risk Management and Safety	1
MIL 494 Academic Mentorship Program	1
<b>Total Hours</b>	<b>18</b>

## Army ROTC Scholarship Program

Army ROTC offers two-, three-, and four-year scholarships. The scholarships pay 100 percent resident or nonresident tuition, \$1,200 per year for books, and a monthly tax-free stipend for 10 months of the year (\$300 per month for freshmen, \$350 per month for sophomores, \$450 per month for juniors, and \$500 per month for seniors). All enrolled cadets also are eligible to compete for a number of awards provided by alumni endowments, ranging from \$200 to \$1,000 per year. Army ROTC selects freshman scholars based on high school GPAs, ACT or SAT scores, class standing, extracurricular activities, and scholarship interviews. High school students can apply online for four-year scholarships at [goarmy.com/rotc](http://goarmy.com/rotc). The deadline for four-year scholarship applications is typically January 1.

Two- and three-year scholarship selections (undergraduates and graduate students) are based on college GPA, Army Physical Fitness Test scores, leadership potential, and scholarship interviews. Initial selections for two- and three-year scholarships are made in late April. Applications for campus-based scholarships are accepted year-round at the Military Science Department, 610 Capstone Drive, located adjacent to the Alabama Museum of Natural History. Interested applicants should contact the Army ROTC department at 205-348-1056 or via [armyrotc.ua.edu/contact](http://armyrotc.ua.edu/contact).

## Army ROTC Stipend

All Army ROTC sophomores, juniors, and seniors who meet the eligibility requirements for contracting are eligible for a tax-free stipend for 10 months of the year (\$350 per month for sophomores, \$450 per month for juniors, and \$500 per month for seniors). Eligibility requirements include a minimum cumulative GPA of 2.0; passage of the Army Physical Fitness Test; meeting DODMERB physical exam qualifications; and being a U.S. citizen, full-time student, and of good moral character.

## Degree Credit

All Army ROTC courses are fully accredited University classes. Credit for these courses can be applied toward elective credit or a minor in Civic Engagement and Leadership (CEL) through the College of Arts and Sciences. This minor consists of 19 semester hours, of which at least six hours must be 300- or 400-level courses. In addition, students must take PHL 292 Introduction to Ethics or PHL 221 Honors Introduction to Ethics and NEW 237 Social Problems and Social Change or NEW 238 Social Problems and Social Change. Students may apply up to 12 semester hours of military science courses toward the civic engagement and leadership minor. It is recommended that Army ROTC cadets apply credit for MIL 310 Small Unit Tactical Leadership, MIL 320 Advanced Leadership Skills, MIL 410 Military Science IV and MIL 420 Military Science IV toward this minor and take PHL 292 Introduction to Ethics or PHL 221 Honors Introduction to Ethics and NEW 237 Social Problems and Social Change or NEW 238 Social Problems and Social Change. This course of action provides 12 semester hours of credit toward the minor, meets the 300- or 400-level course requirements, and provides core degree credit for a humanities course. For additional details, please contact the Military Science Department at 205-348-1056.

## Special Academic Programs

- Accelerated Master's Program (p. 408)
- Cooperative Education Program (p. 410)

## Accelerated Master's Program

The Accelerated Master's Program is intended for gifted and highly motivated candidates for bachelor's degrees at The University of Alabama whose objectives include degrees at the master's or doctoral level. In participating AMP departments, with a related undergraduate and graduate program, qualified students apply to begin graduate study in their senior year. Undergraduates taking graduate level courses are expected to meet the same academic standards as the graduate students in the course. Although AMP students will typically complete the requirements for the bachelor's degree prior to the graduate degree, such a program may lead to simultaneous completion of requirements for both graduate and bachelor's degrees. New College students can participate in any of the programs listed below if they have the approval of both the director of New College and the Graduate Program director. A student may enroll in only one AMP program.

AMP students are classified as undergraduates until they complete the requirements for their undergraduate degrees, and therefore may not hold graduate assistantships until their classifications are changed to graduate status. At that time, AMP students will also become eligible for graduate fellowships and scholarships.

Applicants to the Accelerated Master's Program (AMP) are not required to submit an admission test score except in the following cases: 1) AMP programs in the Manderson Graduate School of Business (except Management Information Systems and MS Applied Statistics) and 2) AMP programs in the College of Education.

Any department that offers a graduate program may, with the approval of the dean of the Graduate School, participate in AMP. The following programs currently are approved to participate in AMP.

Department	Undergraduate Major	Graduate Program	Dual-counted Hours	Minimum Overall GPA for Admission	Length for Completion (Years)
Advertising and Public Relations	Advertising, MA Public Relations	Advertising and Public Relations	12	3.3	5
Aerospace Engineering and Mechanics	Aerospace Engineering	MS Aerospace Engineering and Mechanics	12	3.3	5
Aerospace Engineering and Mechanics	Mechanical Engineering	MS Aerospace Engineering and Mechanics	9	3.3	5
American Studies	American Studies	MA American Studies	15	3.3	5
Anthropology	Anthropology	MA Anthropology	15	3.75 (3.3 in exceptional cases)	5
Art and Art History	Art History	MA Art History	15	3.3	5



Biological Sciences	Biology	MA Biological Sciences	15	3.3	5	Economics, Finance and Legal Studies	Finance	MA Economics	12	3.3	5
Biological Sciences	Biology	MS Biology	15	3.3	5	Electrical and Computer Engineering	Computer Engineering	MS Electrical Engineering	6	3.3	5
Chemical and Biological Engineering	Chemical Engineering	MS Chemical Engineering	15	3.3	5	Electrical and Computer Engineering	Electrical Engineering	MS Electrical Engineering	6	3.3	5
Chemical and Biological Engineering	Chemical Engineering	PhD Chemical Engineering	15	3.3	7	English	English	MA English	15	3.5	5
Chemistry and Biochemistry	Chemistry	MS Chemistry	15	3.5	5	Geography	Environmental Science	MS Geography	15	3.5	5
Civil, Construction and Environmental Engineering	Civil Engineering	MS Civil Engineering	9	3.3	5	Geography	Geography	MS Geography	15	3.5	5
Civil, Construction and Environmental Engineering	Environmental Engineering	MS Environmental Engineering	9	3.3	5	Geography	Geography	MS Geography	15	3.5	5
Communication Studies	Communication Studies	MA Communication Studies	10	3.3	5	Geological Sciences	Geology	MS Geology	15	3.5	5
Computer Science	Computer Science	MS Computer Science	12	3.3	5	Health Science	Public Health	MPH Health Education and Promotion	15	3.3 (3.5 in public health courses)	5
Computer Science	Cyber Security	MS Computer Science	12	3.3	5	History	History	MA History	15	3.75	5
Consumer Sciences	Consumer Sciences	MS Consumer Sciences	15	3.3	5	Human Development and Family Studies	Human Development and Family Studies	MS Human Development and Family Studies	15	3.3	5
Criminology and Criminal Justice	Criminology and Criminal Justice	MS Criminology and Criminal Justice	9	3.3	5	Human Nutrition and Hospitality Management	Food and Nutrition	MS Human Nutrition	15	3.3	5
Curriculum and Instruction	Mathematics Education (Mathematics Education Concentration)	MA Secondary Education	15	3.3	5	Human Nutrition and Hospitality Management	Hospitality Management	MS Hospitality Management	15	3.3	5
Economics, Finance and Legal Studies	Economics	MA Economics	12	3.3	5	Information Systems, Statistics and Management	Mathematical Statistics and Optimization	MS Applied Statistics Concentration	12	3.3	5
Economics, Finance and Legal Studies	Economics	MS Finance	12	3.3	5	Information Systems, Statistics and Management	Information Management Systems	MS Information Management Systems	15	3.3	5
Economics, Finance and Legal Studies	Finance	MS Finance	12	3.3	5	Information Systems, Statistics and Management	Operations Management	MS Operations Management for the Enterprise focused area of study)	15 (12 for the Enterprise focused area of study)	3.4	5

Journalism and Creative Media	Creative Media	MA Journalism & Media Studies	12	3.5	5
Journalism and Creative Media	News Media	MA Journalism & Media Studies	12	3.5	5
Kinesiology	Kinesiology (Exercise Science Concentration)	MA Kinesiology	12	3.3 (Must have taken or be enrolled in KIN 303)	5
Management	Management	MA Management	12	3.3 (3.5 in Management Courses)	5
Marketing	Marketing	MS Marketing	15	3.3 (3.5 in Marketing Courses)	5
Mathematics	Mathematics	MA Mathematics	15	3.75	5
Mechanical Engineering	Aerospace Engineering and Mechanics	MS Mechanical Engineering	6	3.3	5
Mechanical Engineering	Mechanical Engineering	MS Mechanical Engineering	9	3.3	5
Mechanical Engineering	Mechanical Engineering	PhD Mechanical Engineering	9	3.3	7
Metallurgical and Materials Engineering	Metallurgical Engineering	MS Metallurgical Engineering	9	3.3	5
Modern Languages and Classics	Foreign Languages and Literature (German Track)	MA German	12	3.3	5
Modern Languages and Classics	Foreign Languages and Literature (French Track)	MA Romance Languages - French	12	3.3	5
Modern Languages and Classics	Spanish	MA Romance Languages - Spanish	12	3.3	5
Physics and Astronomy	Physics	MS Physics	12	3.75	5
Political Science	International Studies	MA Political Science	15	3.75	5
Political Science	International Studies	MPA Public Administration	15	3.75	5

Political Science	Political Science	MA Political Science	15	3.75	5
Political Science	Political Science	MPA Public Administration	15	3.75	5

Students may start the AMP program once they have earned 90 or more undergraduate hours. Typically, this would mean that an AMP student will apply to the Graduate School in the final semester of their junior year. Once admitted, an AMP student is approved to take up to 15 hours of graduate courses that will count towards both the bachelor's and graduate degrees. At the time of application they must have overall undergraduate GPAs of not less than 3.3 in all courses (or higher if required by their program). Many programs require a higher GPA for admission and/or do not permit the full 15 hours to dual-count (see table). Permission to take graduate courses will be granted by the Graduate School if the student has met the criteria above as well as other minimum requirements for graduate admission. Upon admission to the Graduate School, an AMP student will begin a program of study leading to the master's or doctoral degree, as approved by his or her department and by the dean of the Graduate School. It is advised that prospective AMP students meet with the Graduate Program director for their prospective AMP program at the beginning of their junior year. Programs may have specific coursework requirements and graduate class prerequisites for which an AMP student must be prepared.

## Cooperative Education Program

Amy F. Ratliff, Director  
Office: 2004 HM Comer

In order to promote, encourage, and improve the education of students and to provide maximum service to industry, business, and government agencies, The University of Alabama offers qualified students opportunities to participate in the Cooperative Education Program, or co-op. Cooperative education is an academic program in which students alternate periods of full-time study with periods of full-time employment. This program offers work related to the academic major or career interests of each student, greatly enhancing the student's employment prospects after graduation. It also gives the student a better understanding of the value of human relations, encourages the student to excel academically, and assists the student financially.

A student planning to enter the Cooperative Education Program should give particular attention to the entrance requirements of the University division he or she plans to enter. Generally, courses scheduled for the first year must be completed before a student may begin the first work period.

The University assumes primary responsibility for placing qualified students in available positions for the purpose of providing the best education possible. It is impossible, however, for the University to guarantee employment for all students in the Cooperative Education Program. Co-op students are currently working with a diverse group of employers at sites across the United States. Applicants are often matched with their co-op employers during Co-op Interview Days held each October and February.

For more information about the program, contact The University of Alabama, Cooperative Education Program, Box 870293, Tuscaloosa, AL 35487-0200; call 205-348-6422; or visit the co-op website.

## College of Arts and Sciences

The College of Arts and Sciences offers majors and minors in a variety of disciplines in the social and behavioral sciences, the natural sciences,

mathematics, the humanities, fine arts and performing arts. The College offers programs of study leading to the following degrees: bachelor of arts (BA), bachelor of science (BS), bachelor of music (BM), bachelor of fine arts (BFA), bachelor of science in chemistry (BCh), bachelor of science in geology (BSG) and bachelor of science in microbiology (BMB).

Department of American Studies (p. 419)

Department of Anthropology (p. 421)

Department of Art and Art History (p. 426)

Department of Biological Sciences (p. 436)

Blount Scholars Program (p. 444)

Department of Chemistry and Biochemistry (p. 445)

Department of Communicative Disorders (p. 450)

Department of Criminology Criminal Justice (p. 453)

Department of English (p. 455)

Environmental Science (p. 461)

Department of Gender and Race Studies (p. 463)

Department of Geography (p. 466)

Department of Geological Sciences (p. 471)

Department of History (p. 476)

Department of Mathematics (p. 481)

Department of Modern Languages and Classics (p. 487)

School of Music (p. 498)

New College (p. 516)

Department of Philosophy (p. 523)

Department of Physics and Astronomy (p. 527)

Department of Political Science (p. 532)

Department of Psychology (p. 543)

Department of Religious Studies (p. 548)

Department of Theatre and Dance (p. 553)

## General Education Requirement

Students must meet the general education requirement. All courses that carry the following general education designations are listed on The University of Alabama's website and are usually displayed in each semester's schedule of classes. Please consult the listings for each semester.

1. Freshman Composition (FC) – Six hours
2. Upper-level Writing (W) – Six hours: Writing-designated courses are 300- and 400-level courses usually completed in the student's junior and senior years and most commonly in the major or minor. The writing requirement must be satisfied by courses taken at The University of Alabama.
3. Foreign Language (FL) or Computer (C) – Six hours: Each student completes one of the following options: Six semester hours in courses approved for the computer designation (such courses assume a working knowledge of the computer) OR two semesters or the equivalent in one foreign language. Students must earn grades of C- or higher in the first course of the two-semester sequence before enrolling in the second course.
4. Humanities (HU), Literature (L) and Fine Arts (FA) – 12 hours: To satisfy this requirement, each student completes the following: three hours of fine arts, three hours of literature, and six hours of other fine arts, literature or humanities courses. To satisfy the breadth of learning so crucial to general education, a maximum of six hours in any one department may be applied to the humanities, literature, fine arts, history and social and behavioral sciences requirements.
5. History (HI) and Social and Behavioral Sciences (SB) – 12 hours: To satisfy this requirement, each student completes the following: three hours of history (HI) and nine hours of other HI and SB courses. Each student must complete a six-semester-hour sequence in either literature or history.
6. Natural sciences (N) and Mathematics (MA) – 11 hours: To satisfy this requirement, each student completes the following: eight hours of natural sciences (including six hours of lecture and two hours of accompanying labs) and three hours of mathematics (the mathematics requirement must be satisfied with MATH 110 Finite Mathematics or higher).

All BS degrees must include Calculus I (MATH 125 Calculus I or MATH 145 Honors Calculus I), or a higher-level calculus course.

## Major Major Subjects of Specialization

Each student must have at least one major subject of specialization. See the listing for majors and minors available in the College of Arts and Sciences. Requirements for majors and minors can be found under academic departments.

## Hours in the Major

Each major requires a certain number of hours that is specified in the description of the major in this catalog. A student may choose to take additional hours in the major, but the department cannot require more than the stated number. Students in degree programs requiring 120 hours may apply a total of 42 hours in a single discipline toward degree requirements. Courses specifically excluded from the major are not included in the 42 hours.

## Residency in the Major

All students, including transfer students, must complete in residence a minimum of 12 hours at the 300- or 400-level in the major. Additional residency requirements are cited in this catalog. Some majors have additional residency requirements.

## Grade Point Average in the Major

Each student must earn a minimum grade point average of 2.0. A student's major GPA is calculated in the following manner:

1. Calculation is based only on classes currently being used to complete major requirements.
2. Calculation does not include failed or repeated courses.
3. Calculation does not include classes in the major subject area that were taken over and above what is required to complete the major. Since these classes are not actually completing requirements, they are not taken into consideration.
4. When multiple classes can be used to complete a particular requirement, the class with the highest grade will be used in the GPA calculation.
5. Both UA institutional coursework and transfer work will be used to calculate the major GPA.

## Duplication of Coursework

The use of the same course to satisfy specific requirements in the major and minor is not permitted. However, courses that are used to satisfy General Education Requirements can be used to complete major, minor, or ancillary requirements. Ancillary courses required for the major may be used to satisfy requirements in the minor or in the second major.

## Double Majors

A student may major in two subjects with the following provisions:

1. If the two majors lead to different degrees offered in the College of Arts and Sciences (BA, BFA, BM, BS or one of the designated degrees) or in another UA division, the student chooses which one of the degrees to receive.
2. A student with two majors does not need a minor.

## Minor or Second Major

A minor or a second major is required for most A&S majors. See the requirements for majors and minors as listed in this catalog.

## Hours in the Minor

This catalog states the number of hours and the specific courses that are required for minors approved for students in the College of Arts and Sciences. A student may choose to take additional hours in the minor, but the department cannot require more than the stated number. Minors are subject to the same limitations on concentration of applicable hours as are majors.

## Residency in the Minor

All students, including transfer students, must complete in residence a minimum of six hours at the 300- or 400-level in the minor. Some minors have specific residency requirements.

## Grade Point Average in the Minor

Each student must earn a minimum 2.0 grade point average. A student's minor GPA is calculated in the following manner:

1. Calculation is based only on classes currently being used to complete minor requirements.
2. Calculation does not include failed and repeated courses.
3. Calculation does not include classes in the minor subject area that were taken over and above what is required to complete the minor. Since these classes are not actually completing requirements, they are not taken into consideration.
4. When multiple classes can be used to complete a particular requirement, the class with the best grade will be used in the GPA calculation.
5. Both UA institutional coursework and transfer work will be used to calculate the minor GPA.

## Duplication of Coursework

The use of the same course to satisfy specific requirements in the major and minor is not permitted. However, courses that are used to satisfy General Education Requirements can be used to complete major, minor, or ancillary requirements. Ancillary courses required for the minor may be used to satisfy requirements in the major or in the second major or second minor.

## Double Minors

Students may minor in two subjects, with the following provision:

1. Coursework may not be duplicated between the major and minor or double minors.

## Electives

Additional coursework to achieve 120 hours or more in the degree program is required.

## Additional Expectations

These additional requirements are important to ensuring the liberal arts character of the degree program. The requirements set minimum standards for the degree, including the promotion of sufficient study at The University of Alabama, setting minimum standards of performance quality, establishing expectations for study at the advanced level and in liberal arts disciplines, and limiting the applicability of certain types of courses.

## Catalog

All degree requirements are met under one catalog. A student's catalog is determined by their enrollment year, though a student may change his or her catalog to a more recent one.

## Residence in the College and in the Major and Minor

While enrolled in the College of Arts and Sciences, students must earn a minimum of 30 hours on this campus. Of this 30, a minimum of 12 hours in each major and six hours in each minor must be earned at the 300- or 400-level in residence. Some majors and minors require specific hours in residence.

## Minimum Hours with 2.0 Grade Point Average

1. Each student must complete a minimum of 120 semester hours of coursework approved by the College of Arts and Sciences.
2. Each student must earn a minimum 2.0 grade point average on the total number of hours attempted, including all work at UA and all transfer work.
3. Each student must earn a minimum 2.0 grade point average on hours attempted at The University of Alabama.
4. Each student must earn a minimum 2.0 grade point average in his or her major and minor. See major and minor grade point average for details.

## 36 Hours in 300- and 400-Level Courses

Each student in the College of Arts and Sciences must complete a minimum of 36 semester hours in courses at the 300 or 400 level. The 36-hour total includes the 300- and 400-level courses completed in fulfillment of major and minor requirements.

Junior college credits are not considered advanced level.

## 80 Hours within the Disciplines of the College

All degree programs in the College of Arts and Sciences require at least 80 hours selected from A&S or related disciplines. Transfer courses in these disciplines apply to the completion of the 80-hour requirement.

## Degree Credit for Activity Courses

A student may apply a maximum of four semester hours in activity courses toward graduation.

Activity courses include compass courses (AS 101 Freshman Compass Course: Arts & Sciences, AS 102 Compass: Arts & Sciences, AS 103, AS 299 Junior Seminar, BCE 101 Freshman Compass: UA, BEP 110, DN 105, HES 100 Freshman Compass Human Env Sci, NUR 102 Freshman Compass: Nursing; leadership course (HES 275 Leadership Develop Thru Serv); career exploration course (HES 350 Issues in Career

Development); recreation courses (NEW 201 Recreation For Life); kinesiology, leisure and activity, KIN 100-198, activity and coaching courses (KIN 310 Teaching Swimming, KIN 352 Psychology of Coaching, KIN 370 Coaching Soccer, KIN 380 Coaching Officials KIN 381 Coaching Football, KIN 382 Coaching Basketball, KIN 383 Coaching Baseball, KIN 386 Coaching Volleyball, KIN 420 Issues in Athletics Coaching); and 100-level and 200-level military science (MIL) or Air Force studies (AFS) courses.

### **Degree Credit for Upper-Division Courses in Military Science and Air Force Studies (MIL and AFS)**

A student may apply toward graduation a maximum of 12 semester hours of credit in 300- and 400-level courses in Military Science (MIL) or Air Force Studies (AFS). In addition, students may also appeal to apply 3hrs for MIL 335 American Military Experience. Please contact the A&S Student Services office for more details (student.services@as.ua.edu).

### **Multiple Undergraduate Degrees**

Students and former students interested in obtaining a second bachelor's degree and currently enrolled students interested in earning concurrent degrees must adhere to several stipulations described in this section of the catalog. A student may only be awarded one degree with the same degree type (i.e., bachelor of arts, bachelor of science, bachelor of science in electrical engineering, etc.). For example, once a bachelor of arts is earned, a student may pursue a second major associated with a bachelor of arts but not a second bachelor of arts degree. In this example, the student could pursue a bachelor of arts in communication because the degree type is different.

Students are responsible for declaring their intent to pursue a second bachelor degree by filing an approval plan of study with the primary college of residency. To ensure appropriate advising, approval is obtained at a point when no less than 30 hours of course work remains for the completion of one or both degrees. Students are also responsible for re-filing updated plans of study if changes are desired.

For degrees in different colleges, students must establish one college as the primary college of residency. If program accreditation is a component of the degree program, then the primary college of residency must be the college of the degree program whose professional accreditation requires residency. The student must pay all fees and adhere to all requirements of each college, other than residency.

Students are responsible for filing a degree application for each degree sought according to the published degree application submission deadlines of the colleges and/or schools recommending the degrees and within the deadlines established by the Office of the University Registrar.

### **Concurrent Bachelor Degrees**

Currently enrolled students are encouraged to pursue graduate level studies toward an advanced degree through the Accelerated Masters Program in lieu of pursuing a concurrent bachelor's degree. However, a currently enrolled student may earn two different bachelor's degrees (i.e., a B.A. and a B.S.) concurrently. Both degrees do not have to be received in the same semester provided the concurrent degree plan of study was approved prior to the receipt of the first degree (students should speak with the Scholarship and Financial Aid offices prior to applying). Students pursuing concurrent degrees must adhere to the following provisions:

1. Each student must earn a minimum of 150 credit hours, including a minimum of 60 credit hours in residence.

2. Each student must complete all University, College, major and minor requirements for both degree programs. If more than one minor is required, only one must be completed.
3. Each student must fulfill all prerequisites and course requirements in the two different major fields.
4. Courses may be counted toward meeting the requirements in more than one area unless specifically prohibited by the academic departments and so stated in the catalog. Credit for a course cannot be applied toward both the total hours required for the first degree and the additional hours required for any additional degree.
5. A student who completes all requirements for two or more different degrees (e.g., bachelor of arts and bachelor of science) will be awarded multiple degrees and will receive multiple diplomas.

### **Second Bachelor Degree, UA Alumni**

A student who has previously earned a bachelor degree from The University of Alabama and wishes to pursue further undergraduate work may complete an additional major and have it noted on the official transcript (with date of completion) OR earn a second degree if it is different from the first (i.e., a B.A. if the first degree was a B.S., and vice versa). This student must apply for readmission for the second degree and meet the following provisions:

1. Each student must earn a minimum of 30 additional credit hours in residence in the College of Arts and Sciences over and above any hours applied to the first degree.
2. Each student must complete all University, College and major requirements for the second degree in the catalog under which the student enters, or in a subsequent catalog.
3. Each student must fulfill all prerequisite and course requirements in the major field(s) for the second degree.

### **Second Bachelor Degree, Non-Alumni**

A student holding a bachelor degree from another regionally accredited institution of higher learning may earn a second bachelor degree, in most instances, from The University of Alabama by fulfilling a specific set of requirements at both the College and University level. The student must apply for admission for the second degree and meet the following provisions:

1. Each student must meet all requirements for the second degree to include all course hours, grade point, ancillary, prerequisite and residency requirements specified by the degree program.
2. If a student holds a bachelor degree from another regionally accredited institution of higher learning, the University presumes all general education requirements have been completed. This presumption does not apply to ancillary requirements.
3. Each student must earn 25% of the degree requirements (a minimum of 30 additional credit hours for a 120 hour degree) in residence at The University of Alabama over and above any hours applied to the first degree.

### **Expected Progress**

During the fall and spring semesters, the recommended course load for students in the College of Arts and Sciences is 14-16 hours per semester. A course load of more than 18 hours requires special permission (A&S Student Services Center, 200 Clark Hall). A course load under 12 hours is not considered full-time enrollment.

During the summer semester, students may enroll for a maximum of 17 hours (1 course during interim and 2 courses each summer session). Appeals to this hours count can be made to the College.

## Student Responsibility

1. Students are expected to familiarize themselves with this catalog and consult academic advisers in planning their programs of study.
2. Students are responsible for registering for course loads appropriate to the degrees they seek and consistent with their individual circumstances.
3. Students are expected to pursue successful completion of all courses in which they enroll.
4. Students are responsible for monitoring the accuracy of their academic records and reporting any errors to the college registrar in the A&S Student Services Center, 200 Clark Hall.
5. Students are expected to maintain a Crimson email account, mailing addresses and telephone numbers at which they can be reached with reasonable certainty and to respond promptly to all communications from the University and the College.
6. Students are expected to be familiar with the current academic calendar.
7. Students are expected to make full use of DegreeWorks and other available advising resources in executing their academic plans for success.

## Admission, Course Placement, and Retention

The College of Arts and Sciences admits students on the basis of the University's general admission requirements listed in this catalog. Some departments may require higher levels of scholarship for admission to upper-division status, clinical training programs, internships, practicums, etc., may require higher levels of scholarship. Retention is based on the general scholarship rule and the scholastic progress standard.

## Course Placement

The College of Arts and Sciences awards credits and places students in courses based on several criteria. First, course credits are awarded based on Advanced Placement, International Baccalaureate scores and other sources recognized by the University Registrar. Other placement information is as follows:

### In English

EN 103 Advanced English Composition is an accelerated freshman composition course that is open to students with ACT composite scores of 28 or ACT English scores of 30 and above, or SAT scores of 1250 (old) and above or SAT Verbal scores of 720 (old) or SAT Reading-Writing (new) 730 or SAT Total (new) 1350. With a grade of C- or higher at the completion of the course, placement credit is awarded for EN 101 English Composition and the general studies requirement for freshman composition is complete.

### In Foreign Languages

The course level at which students begin their study of a foreign language is determined by several factors. These factors include the following: the number of high school units complete, language placement examination scores, or faculty evaluation for those with native or heritage competency. Placement assessments are offered in Chinese, French, German, Italian, Latin, and Spanish. For other languages, please see the department for placement by faculty evaluation.

Level	Placement Criteria
101	No prior instruction in the language, fewer than two high school units in the language, instruction more than four years ago, or UA placement test
102	Two High school units in the language or UA credit for 101 or UA placement test
103	Two high school units in the language or 101 at another institution <sup>1</sup>
201	Credit for 102 or 103 or UA placement test
202	Credit for 201 or UA placement test
300	Credit for 202 or UA placement test

### Footnotes

<sup>1</sup> 103 available in German

When students are placed in a language courses numbered 200 or higher and they successfully complete the course into which they were placed, they can apply to the Department of Modern Languages and Classics to receive credits for some courses that precede the course into which they were placed.

Members of the language faculty individually place International students who possess native competency in a language or United States citizens who are bilingual. These students normally do not receive credit for courses below the 300 level. These students should contact the Department of Modern Languages and Classics before attending summer orientation or before registering for a course in the language in which they have this competency.

## In Mathematics

For those students who do not have credit for any college-level mathematics equivalent to a UA mathematics course, placement is determined by their ACT or SAT score in mathematics. If students are not pleased with their placement based on their ACT or SAT mathematics score, they may elect to take the UA Math Placement Assessment. The first time this is taken online through their myBama Account. The second time is through the Office of Testing Services. The Math Placement Assessment may be taken twice.

## In Music

Auditions determine placement in specific applied courses. Auditions should occur before freshman orientation and registration.

## Changes in Student Course Schedules

While students may change schedules, it is important that students maintain at least 12 hours of coursework each fall and spring semester for full-time status, and the recommendation is for 14-16 hours.

First-semester freshmen and first-semester transfer students who have not met the freshman composition requirement enroll in an appropriate English composition course and continue taking required English courses until the composition requirement is met. Students may not drop required freshman-level English courses. Students also may not withdraw from mathematics courses graded A, B, C or NC. These mathematics courses include:

Code and Title	Hours
MATH 005 Introductory Algebra	3
MATH 100 Intermediate Algebra	3
MATH 110 Finite Mathematics	3
MATH 112 Precalculus Algebra	3
MATH 113 Precalculus Trigonometry	3
MATH 115 Precalc Algebra & Trig	3

Students may drop or add courses during the late registration period at the beginning of each semester. Specific dates are given on the University of Alabama website.

A student may drop a course other than the English and Mathematics courses listed above with a grade of W during the first 10 weeks of the fall and spring semesters, and the first two weeks of summer terms.

After the tenth week of class, only under extraordinary and well-documented circumstances are students allowed to petition for special consideration to withdraw with a grade of W. Requests for late withdrawals are made to the Student Services Center in 200 Clark Hall. Please see the Student Services Center for more information.

#### Audit

A student may audit one course per semester. Permission to audit may be obtained in the A&S Student Services Center, 200 Clark Hall, and prior to the end of the late registration period at the beginning of each semester. An auditor may not take the tests or the final examination in a course. A course that is taken as an audit may not be taken at a later date for credit. Written permission from the instructor is required and the student must pay for the full cost of the course.

## Course Repeat

A course passed at any institution with a grade of A, B or C cannot be repeated at The University of Alabama, except as an audit.

A course passed at The University of Alabama with a grade of D may be repeated. A record of both the original and repeat enrollment appears on the student's transcript. With respect to hours and grade points applicable to degree requirements and honors-designation requirements in the college, each enrollment is counted in the cumulative hours attempted and cumulative grade points earned, but only the most recent enrollment counts in the cumulative hours applicable to the degree.

Students in the College of Arts and Sciences have a maximum of three attempts to successfully complete each required A&S course. If the third attempt is unsuccessful, the student will not be allowed to register for a fourth attempt without permission from the Dean of the College or representative. Common factors that are considered relate to unforeseen health circumstances, work/service conflicts, or required University commitments (not, for example, academic performance in the course).

## Withdrawal

Students in the College of Arts and Sciences have a limited ability to withdrawal from coursework after the standard add/drop period. For students between 0 - 60 credit hours, 9 hours (or 3 courses) may be withdrawn from. For students with 61 < credit hours, 9 hours (or 3 courses) may be withdrawn from. Credit hours earned from university transfer, change of division, Academic Bankruptcy, Academic Second Opportunity, and Withdrawal from term (including medial withdrawal) do not count towards the withdrawal total hours count. Additionally, a Dean's hold will be applied to the students account for students who withdraw from term.

Appeals to this withdrawal policy can be made to the Dean of the College or representative. Common factors that are considered relate to unforeseen health circumstances, work/service conflicts, or required University commitments (not, for example, academic performance in the course).

## Pass/Fail Option

The pass/fail option is designed to encourage students to explore areas of study outside the major and minor. A course taken pass/fail counts as elective credit only; it cannot be used to satisfy any specific requirement and does not count in the minimum number of hours required for the major or minor. University-wide pass/fail regulations are explained in the general information section of this catalog. To take a course pass/fail, students in the College of Arts and Sciences must receive approval in the A&S Student Services Center, 200 Clark Hall, before the end of the late registration period at the beginning of each semester.

## Prerequisite Policy

The catalog and registration system provide information on the preparation necessary to enroll in a specific course. All 300-level courses in the College of Arts and Sciences have either a specific prerequisite course or have the expectation that the student will have junior standing (61 earned hours), or the permission of the instructor, in order to enroll.

## Graduation

Degrees are awarded in May, August and December. The University of Alabama expects students to participate in the graduation ceremony ("walk") of the term in which they will complete all requirements for degree.

Each candidate for a degree must submit an application for degree through myBama in the semester immediately prior to the term in which he or she plans to graduate. For example, students who expect to complete degree requirements in May should submit the online degree application during the preceding fall semester. Those who expect to finish degree requirements in August or December should submit the application during the previous spring semester.

## Student Services Center and College Advising

Student Services Center  
200 Clark Hall  
student.services@as.ua.edu (studentservices@as.ua.edu)  
(205) 348-5970

The College of Arts and Sciences Student Services Center staff provides assistance to all of the college's undergraduates. Services provided include academic advising for all students focused on college- and university-level requirements or on coursework necessary for law school or health careers. Specific services include: academic planning assistance, college-level scholarship programs, compass courses, degree applications and graduation certification, freshman and transfer student orientation, general information about academic policies and procedures, course articulation and equivalency, advising for study abroad, living-learning communities, services for prospective students and newly admitted students, and special permissions to add or drop courses. Other areas of assistance include: academic bankruptcy, change of division, schedule changes, Academic Second Opportunity, suspension appeals, and permissions to take excessive hours and audit a class.

The Student Services Center houses the College's first-year advising program and programs of pre-professional advising for students

interested in careers as health professionals (other than nursing) and those interested in studying law.

## First-year Advising Program

200 Clark Hall  
(205) 348-5970

as.ua.edu/advising

studentservices@as.ua.edu

Designed especially for freshman students transitioning from high school to college, the mission of the First-year Advising Program is to have each student enjoy the resources and opportunities of the University and the College, take personal ownership of his or her academic career and graduate in a timely fashion. The First-year Advising Program offers academic advising, out-of-class programs, and opportunities for study in a number of fields so that students may make informed decisions about their major field of study or choosing a field of study. This program works cooperatively with and encourages students to use the resources of the Capstone Center for Student Success, the Writing Center, the Career Center, the Center for Service and Leadership, the departments of the College, and other UA academic divisions.

## Health Professions Advising Student Services

200 Clark Hall  
(205) 348-5970

prehealth.ua.edu

prehealth@ua.edu (premed@ua.edu)

The health professions advising program works with all students who are interested in pursuing careers in dentistry, medicine, pharmacy, physical therapy and other health professions fields except nursing.

### Pre-Dental Program

A wide variety of programs may be planned that will fulfill specific requirements for admission to dental school and allow students to pursue their individual academic interests. Students preparing to enter dental school should consult the catalogs of the dental schools of their interest early in their undergraduate enrollment in order to be informed of the exact requirements for entrance.

Although specific admission requirements vary, most dental schools require:

Code and Title	Hours
BSC 114 Principles Of Biology I & BSC 115 or BSC 118 Honors General Biology I	4
BSC 116 Principles Biology II & BSC 117 or BSC 120 Honors Gen Biology II	4
BSC 450 Fundamentals of Biochemistry	3
CH 101 or CH 117 Honors General Chemistry	4
CH 102 or CH 118 Honors General Chemistry	4
CH 231 Elem Organic Chemistry I	3
CH 232 Elem Organic Chem II	3
CH 237 Elem Organic Chem Lab	2
PH 101 or PH 105 or General Physics W/Calc I	4

PH 125 Honors Gen Ph W/Calculus	
PH 102 or PH 106 or PH 126 Honors Gen Ph W/Calculus II	4
MATH 125 or MATH 145 Honors Calculus I	4

Since admission to professional schools is highly competitive, students planning careers in the health professions should be aware that satisfactory completion of pre-professional requirements does not guarantee admission to professional schools. Therefore, students are advised to plan undergraduate programs with some attention to possible alternative goals. Periodically, the health professions advisers will assist students in realistically evaluating their potential for admission to professional schools.

The health professions advisors are the primary advisor for students who enter the University as pre-dental until they declare a specific major. After that, and for other students who have an interest in dentistry, the health professions advisor is available as a secondary source to assist specifically with issues related to dental school.

### Pre-Medical Program

The health professions advisors assist students in academic planning needed to meet the admissions requirements for medical school. The advisers also provide students with assistance in preparing for interviews, scheduling the MCAT, developing recommendations and submitting application materials. Student organizations, especially Alpha Epsilon Delta, are important parts of the pre-medical education of UA students. Information about these organizations can be obtained from the prehealth website: prehealth.ua.edu

Students interested in pursuing a career in medicine may choose from a wide variety of programs that will fulfill specific requirements for admission to medical school and allow them to pursue individual academic interests. Students preparing to enter medical school should consult the catalog of the medical school of interest early in their undergraduate careers in order to be informed of each school's admissions requirements.

Although specific admissions requirements vary, most medical schools require the courses listed below. Most of these courses should be completed in the freshman and sophomore years:

Code and Title	Hours
BSC 114 Principles Of Biology I & BSC 115 or BSC 118 Honors General Biology I	4
BSC 116 Principles Biology II & BSC 117 or BSC 120 Honors Gen Biology II	4
CH 101 or CH 117 Honors General Chemistry	4
CH 102 or CH 118 Honors General Chemistry	4
CH 231 Elem Organic Chemistry I	3
CH 232 Elem Organic Chem II	3
CH 237 Elem Organic Chem Lab	2
BSC 450 or CH 461 Biochemistry I	3
PH 101 or General Physics I	4



PH 105 or	General Physics W/Calc I	
PH 125	Honors Gen Ph W/Calculus	
PH 102 or	General Physics II	4
PH 106 or	General Physics W/Calc II	
PH 126	Honors Gen Ph W/Calculus II	
MATH 125 or	Calculus I	4
MATH 145	Honors Calculus I	

The health professions advisers are the primary advisers for students who enter the University as pre-medical until they declare a specific major. After that and for other students who have an interest in medicine, the adviser is available as a secondary source to assist specifically with issues related to medical school preparation.

## Pre-Pharmacy Program

The College of Arts and Sciences at The University of Alabama offers prerequisite courses needed prior to admission to graduate programs in pharmacy. A student wanting to complete a doctoral degree in pharmacy in the minimum period of time should plan on transferring to a school of pharmacy after completing the required undergraduate courses, and he/she should begin the application process after the first or second year of undergraduate study. Some students apply for admission to a pharmacy program at a later stage, such as following the completion of an undergraduate degree, provided they have met appropriate admission requirements.

Registration in the freshman and sophomore years in the College of Arts and Sciences does not guarantee admission to the professional phase of a school of pharmacy. Enrollment in the professional phase is limited, and the student will be accepted in accord with his or her scholastic standing and aptitude for a career in pharmacy. An admissions committee makes final selection of students, and although there is no absolute, required grade point average, students accepted in recent years have approximately averaged a 3.5 GPA or higher on a 4.0 scale.

Because prerequisite courses vary considerably among pharmacy schools, and the requirements frequently change, the most prudent approach is to consult the websites of the pharmacy schools for the most recent required courses. American Association of Colleges of Pharmacy maintains a database of pharmacy schools, and the health professions advisers can also assist students with choosing appropriate undergraduate courses. Most pharmacy schools will require at a minimum:

Code and Title	Hours	
CH 101 or	General Chemistry	4
CH 117	Honors General Chemistry	
CH 102 or	General Chemistry	4
CH 118	Honors General Chemistry	
CH 231	Elem Organic Chemistry I	3
CH 232	Elem Organic Chem II	3
CH 237	Elem Organic Chem Lab	2
BSC 215	Human Anatomy & Physiology I	4
BSC 216	Human Anatomy & Physiology II	4
BSC 310	Microbiology	4-5
& BSC 312 or	and Microbiology Lab	
BSC 242	Microbiology And Man	
MATH 125 or	Calculus I	4
MATH 145	Honors Calculus I	

Each pharmacy school determines additional undergraduate course requirements.

The health professions adviser is the primary adviser for students who enter the University as pre-pharmacy until they declare a specific major. After that and for other students who have an interest in pharmacy, the advisers are available as a secondary source to assist specifically with issues related to pre-pharmacy.

## Pre-Physical Therapy Program

Although some institutions offer undergraduate degrees in physical therapy, the standard for practice in the field of physical therapy is the graduate degree. The College of Arts and Sciences does not offer an undergraduate degree program in physical therapy, but instead offers programs of study that prepare students appropriately for entry into master's and doctoral programs. In preparing for entry into a graduate program, students may pursue one of several different majors in the College of Arts and Sciences.

The pre-physical therapy program assists students in completing degrees at The University of Alabama that prepare them to enter graduate programs in physical therapy elsewhere. As an example of some of the important fields of study that are parts of the preparation of pre-physical therapy students, UA students who enter the doctoral program in physical therapy at The University of Alabama at Birmingham are expected to have completed the courses that follow in English, the sciences, psychology and mathematics:

Code and Title	Hours	
EN 101	English Composition	3
EN 102	English Composition	3
BSC 114	Principles Of Biology I	4
& BSC 115 or	and Laboratory Biology I	
BSC 118	Honors General Biology I	
BSC 116	Principles Biology II	4
& BSC 117 or	and Laboratory Biology II	
BSC 120	Honors Gen Biology II	
BSC 215	Human Anatomy & Physiology I	4
BSC 216	Human Anatomy & Physiology II	4
CH 101 or	General Chemistry	4
CH 117	Honors General Chemistry	
CH 102 or	General Chemistry	4
CH 118	Honors General Chemistry	
PH 101 or	General Physics I	4
PH 105 or	General Physics W/Calc I	
PH 125	Honors Gen Ph W/Calculus	
PH 102 or	General Physics II	4
PH 106 or	General Physics W/Calc II	
PH 126	Honors Gen Ph W/Calculus II	
MATH 113	Precalculus Trigonometry	3
PY 101	Intro To Psychology	3
PY 211	Elem Statistical Methods	3
PY electives		3-6

The health professions adviser is the primary adviser for students who enter the University as pre-physical therapy until they declare a specific major. After that and for other students who have an interest in physical therapy, the adviser is available as a secondary source to assist specifically with issues related to study in physical therapy.

## Advising for Other Health Professions

While at The University of Alabama, students may prepare for professions in occupational therapy, veterinary medicine, chiropractic medicine, podiatry or any other health-related profession requiring an advanced degree. Required undergraduate courses vary considerably among these programs; therefore, students should make an appointment with the health professions advisers early in their academic programs to ensure that they are adequately prepared for admission to a graduate program following completion of a degree at The University of Alabama. For more information, contact the health professions advisers at (205) 348-5970 or visit our website at [prehealth.ua.edu](http://prehealth.ua.edu).

## Pre-Law Program

200 Clark Hall  
(205) 348-5970  
[prelaw.ua.edu](http://prelaw.ua.edu)  
[prelaw@as.ua.edu](mailto:prelaw@as.ua.edu)

The pre-law program works with students who are interested in law as a career. The pre-law advisor works with students to plan the courses and experiences that will best prepare them for law school, to decide which specific schools are best for them, and to complete the application process. Students preparing for law school may pursue different disciplinary interests. Several departments in the College of Arts and Sciences, including the Department of Philosophy, the Department of Political Science, the Department of History, and New College, offer pre-law programs of study, but many other departments offer courses that prepare pre-law students. Visits to the UA Law School, shadowing, student organizations and internships are important parts of the pre-law experience.

Unlike some pre-professional programs that require specific courses, the pre-law program emphasizes the importance of broad liberal arts preparation. Courses that require substantial writing are good preparations for law school, as are those courses that require logical thinking and the construction of arguments. Appropriate courses range from English and history, to economics and mathematics, to communication studies. For examples of pre-law courses please visit [prelaw.ua.edu](http://prelaw.ua.edu).

The pre-law program advisers are the primary advisers for students who have an interest in pre-law. Once a student has formally declared an academic major, the pre-law adviser is available as a secondary source to assist specifically with issues related to pre-law preparation.

## Mission

The College of Arts and Sciences is central to the instructional, research and outreach missions of The University of Alabama.

The College provides the fundamental liberal arts foundation necessary to the education of all UA students. It is dedicated to educating individuals based on the liberal arts philosophy of making each student a lifelong learner.

The college is committed to leadership in pedagogical innovation and the use of technology to further student learning. It values the traditional residential campus and is dedicated to providing an array of stimulating learning communities where students may grow personally and intellectually. The discovery and sharing of knowledge is at the heart of our enterprise. The College is committed to leadership in the creation, dissemination and application of knowledge and the preparation of future scholars. It accomplishes this by maintaining and enhancing both its

nationally competitive faculty and its nationally ranked graduate and undergraduate programs.

Learning and quality of life are interrelated. As the state's largest liberal arts college, the College of Arts and Sciences is central to the cultural, intellectual and social life on campus and in the community, state and region. It contributes fundamentally to the economic development of the state through teaching, creative activity, research and outreach.

The college holds to the principle that knowledge must serve humanity and the environment, and it is dedicated to global responsibility, justice, and ethics.

## Special Emphases

### Learner-Centered College

The College of Arts and Sciences centers its considerable human and technological resources on the individual student and that student's learning. In the Mathematics Technology Learning Center, students use computer-based instruction to learn at a pace suited to their individual needs. Technology used in other courses encourages active, not passive, interaction with course materials. The college seeks to educate self-reliant young men and women who know themselves and contribute significantly to their professions and communities.

### Undergraduate Research and Creative Activity

Undergraduate students in the college have remarkable access to opportunities for research and creative activities under the guidance of faculty members. The opportunity to move from synthesizing information and ideas generated by others to creating new ways of knowing is a remarkable intellectual leap and one that many students in the College of Arts and Sciences take. The college sponsors undergraduate research days that encourage students to share their experiences.

### Blount Scholars Program

Endowed by Winton and Carolyn Blount and assisted by many other donors, the Blount Scholars Program is a four-year program offering students in the College of Arts and Sciences a unique opportunity for an enriched liberal arts education in a lively and enjoyable community of scholars. All entering freshmen in the college, regardless of their academic interests, are eligible to apply for admission. With courses and other activities, the program emphasizes the connectedness of knowledge and the importance of faculty-student learning partnerships. See the Blount Scholars Program (p. 444) section of this catalog.

### McCollough Institute for Pre-Medical Scholars

Endowed by Gaylon and Susan McCollough, The McCollough Institute for Pre-Medical Scholars offers a minor in interdisciplinary studies to a small cohort of aspiring physicians. McCollough scholars form a living-learning community investigating big picture questions about the art of medicine. The program focuses on academic excellence, leadership, community service, and undergraduate research organized around the medical field.

For more information about the program, please see the McCollough Scholars webpage.

### Interdisciplinary Study

Virtually all of the programs of study in the College of Arts and Sciences emphasize interdisciplinary study. Whether a student's interest is American studies, studio art or biology, the ability to draw together learning from different fields, to integrate it and to use it later to analyze and solve problems in one's profession, community and own life is the key characteristic of a liberally educated person. Interdisciplinary learning is especially important to students' experiences in New College. New

College seminars, which are open to all students, and the New College depth studies are hands-on experiences with interdisciplinary learning.

## Learning Communities

In the College of Arts and Sciences, learning communities take different forms, with some being residential communities and others not, but all fuse common academic experiences with out-of-class community. The College emphasizes the importance of these, especially for freshman students.

## International Education

Citizenship is global. As the College prepares students for citizenship, this is emphasized across the curriculum. While the College has strong language programs, including the unique Critical Languages program in which students can study many of the world's diverse languages, global citizenship affects all of the disciplines. College of Arts and Sciences faculty lead many of the University's summer study abroad programs and direct semester-long programs.

## Academic Exploration

Many students enter the College of Arts and Sciences unsure about their academic direction. Students are encouraged to explore the resources of the College and the University during their first several semesters in order to make informed choices. The University's General Education Requirement, which includes most introductory course in the disciplines of the College, allows students to meet degree requirements while determining those fields of study that best fit with their talents and passions.

## Pre-professional Preparation

Many College of Arts and Sciences graduates go on to medical school, law school, dental or optometry school, physical or occupational therapy programs or other health-related or professional study. Arts and Sciences majors provide excellent preparation for all of these programs, and the College's pre-professional advising programs are very supportive. Student organizations, including Alpha Epsilon Delta, the pre-medical honorary, of which UA is the Alpha chapter, are also important parts of pre-professional preparation.

## Faculty

### Dean

Joseph P. Messina

### Associate and Assistant Deans

Lisa L. Dorr

Utz McKnight

Tricia McElroy

Lisa Pawloski

Roger Sidje

Ray White

John Wingard

### Senior Director of Development

Brandi Lamon-Pinkerton

### Director of College Relations

Kellie Hensley

### Director of Financial Affairs

Jimmy Vail

### Director of College Support Boards

Kevin Reid

### Director of Experiential Learning

Pam Derrick

### Director of Outreach Programs and Initiatives

Pamela Young

### Administrative and Professional Staff

Hannah Berman

Sara Beth Bolin

Kayla Boucher

Matt Chenault

Kaylee Crenshaw

Marian Denham

Cathy Elliott

Royce Garrison

Kelli Harris

Eve Machado

Jay McPhillips

Jake Paul

Undre Phillips

Latandra Smith

Tabitha Tuten

Rebecca Whitley

### Registrars

Wendy K. McMillian

Ashley Thomas

Cynthia H. Channell - Associate Registrar

## Department of American Studies

The Department of American Studies offers a Bachelor of Arts (BA) degree and a minor in American Studies. American Studies is the organized, interdisciplinary pursuit of knowledge about the national culture of the United States. Students can gain a comprehensive understanding of the American people's ideals, values, and patterns of behavior, and how these change over time.

- Major
  - American Studies, BA (p. 420)
- Minor
  - American Studies (p. 421)

### AMS100 Special Topics

Hours 1

Selected American topics for lower-division undergraduate students offered by American studies faculty members or supervised teaching assistants. Some examples include the following five-week, one-hour courses: African-American Star Athletes, Superbowl Ads, Stand Up Comedy, Disney's America, and Why Eat Local?.

**AMS101 Special Topics**

Hours 1

Selected American topics for lower-division undergraduates offered by American Studies faculty members or supervised teaching assistants.

[View All Courses](#)

**Faculty****Chair**

Tang, Edward

**Professor**

Morgan, Stacy

**Associate professors**

Adrian, Lynne

Hubbs, Jolene

Innis-Jimenez, Michael

Megraw, Richard B.

Melton, Jeffrey

Weisbard, Eric

**Assistant professor**

Odle, Mairin

**Shared Faculty**

Green, Hilary (Gender & Race Studies)

Spears, Ellen (New College)

**American Studies, BA**

Students should have a strong interest in American culture and history. This can include the visual arts, music, and popular culture, as well as social movements and politics in any time period of U.S. history. Many students also have great interest in how America fits into the larger global picture. Curiosity about different parts of American culture and a willingness to explore new areas are essential. A desire to communicate ideas in writing is important. This major helps develop skills in connecting information, writing strong arguments, and reading for both fine detail and the big picture.

**Admission into the Major**

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

**Special Opportunities**

Students have the opportunity to complete internships in a variety of settings. Students should contact the department for more information.

Students earning the bachelor of arts (BA) degree with a major in American studies must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

**Code and Title****Hours****Major Courses**

AMS 150	American Pop Culture (Fall Only)	3
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AMS 151	America and the World (Spring Only)	3
Select one of the following:		3
AMS 203	Southern Studies	
AMS 204	Intro to Western Studies	
AMS 205	Dirty Jobs	
AMS 206	Native American Studies	
AMS 207	Intro to Latinx Studies	
AMS 231	Contemporary America	3
AMS 492	Capstone Research Seminar	3
AMS electives 400 level <sup>1</sup>		6
AMS elective 300 or 400 level		3
AMS electives any level		6
Credit Hours Subtotal:		30
<b>Total Hours</b>		<b>30</b>

**Footnotes**

<sup>1</sup> Other than AMS 400 Internship, AMS 403 Honors Research - Ams or AMS 405 Directed Study.

**Grade Point Average**

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points section of this catalog for an explanation on grade point average calculations.

**Upper-level Residency**

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

**Required Minor**

This major requires the completion of a minor.

**Additional Major Requirements**

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

**Prerequisites**

Unless otherwise stated, the prerequisite for 300-level AMS courses is six hours in American studies or permission of the instructor, and the prerequisite for 400-level AMS courses is nine hours in American studies or permission of the instructor.

Many career opportunities exist for American Studies majors. Many students attend law school, library school, or pursue advanced degrees. American Studies majors teach in secondary schools, junior colleges, and universities and work for historical commissions, arts alliances, museums, libraries, and the private sector.

**Types of Jobs Accepted**

Recent graduates have accepted jobs in libraries, museums, student services, tourism, secondary education, junior college teaching, advertising, public relations, journalism, and labor relations.

## Jobs of Experienced Alumni

Jobs held by alumni include attorney; university trustee; university external affairs and development director; school counselor; principal; museum sales manager; museum consultant; public relations specialist; library collection curator; special collections librarian; public television production manager; fiction and biography author; popular music critic; publishing account executive; arts alliance programs director; community celebration and documentation coordinator; educational programmer; Jessie Ball DuPont Fund executive director; advertising website developer; public health counselor; Department of Labor wage and hour investigator; architectural historian; congressional press secretary.

Learn more about opportunities in this field at the Career Center

## American Studies, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
AMS 150 American Pop Culture	3
AMS 151 America and the World	3
Select one of the following:	3
AMS 203 Southern Studies	
AMS 204 Intro to Western Studies	
AMS 205 Dirty Jobs	
AMS 206 Native American Studies	
AMS 207 Intro to Latinx Studies	
AMS 231 Contemporary America	3
AMS electives 400 level <sup>1</sup>	3
AMS electives 300 or 400 level	3
AMS electives	3
Credit Hours Subtotal:	21
<b>Total Hours</b>	<b>21</b>

#### Footnotes

<sup>1</sup> Other than AMS 400 Internship.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

Unless otherwise stated, the prerequisite for 300-level AMS courses is six hours in American studies or permission of the instructor, and the prerequisite for 400-level AMS courses is nine hours in American studies or permission of the instructor.

## Department of Anthropology

19 ten Hoor Hall  
205-348-5947

Anthropology is the study of humans, both past and present, and includes specializations in archaeology, cultural anthropology, biological anthropology and linguistics. The Department of Anthropology offers a bachelor of arts (BA) degree and a minor in Anthropology. The Department also offers many of the required courses for the interdisciplinary minors in Global Health and Evolutionary Studies (EvoS). Students that major in anthropology may also pursue the Archaeology of the Americas or Health Professions concentration.

Students are expected to meet the director of undergraduate studies as soon as they declare a major or minor in anthropology. The director will advise them of curriculum requirements and assign a faculty adviser in the anthropology department.

#### Major

- Anthropology, BA (p. 422)

#### Minors

- Anthropology (p. 424)
- Evolutionary Studies (EvoS) (p. 425)
- Global Health (p. 426)

#### Chair

- Jason A. DeCaro

#### Director of Undergraduate Studies

- Cameron Lacquement

#### Undergraduate Studies Secretary

- Melissa Sartain

#### Professors

- DeCaro, Jason
- Galbraith, Marysia
- LeCount, Lisa J.
- Pawloski, Lisa

#### Associate Professor

- Lynn, Christopher
- Pritzker, Sonya

#### Assistant Professor

- Blair, Elliot
- Chiou, Katie
- Helfrecht, Courtney
- Horan, Holly
- Lacquement, Cameron
- McClure, Stephanie
- Tokovinine, Alexandre

**Professors emeriti**

- Bindon, James
- Blitz, John H.
- Dressler, William W.
- Jacobi, Keith P.
- Knight, Vernon. J
- Murphy, Michael
- Diehl, Richard
- Oths, Kathryn S.

**ANT100 Anthropology: The Study of Humanity**

SB

Hours 3

This course introduces students to the subfields of anthropology and demonstrates the benefits of a holistic approach to understanding globalization, multiculturalism, and cultural diversity. The concepts of evolution, human prehistory, language, and culture are explored as well as the diversity of human cultural patterns, including variations in marriage, kinship, and religion.

Social and Behavioral Sciences

**ANT102 Intro to Cultural Anthropology**

SB

Hours 3

An introduction to the discipline of cultural anthropology, the branch of anthropology that examines the rules and behaviors of contemporary human cultures. The course will demonstrate the importance of a holistic approach to understanding human diversity, and compare and contrast the various developments cultures use to tackle the universal problems of human living. SB Credit.

Social and Behavioral Sciences

View All Courses

**Faculty****Chair**

Jason A. DeCaro

**Director of Undergraduate Studies**

Cameron Lacquement

**Undergraduate Studies Secretary**

Melissa Sartain

**Professors**

DeCaro, Jason

Galbraith, Marysia

LeCount, Lisa J.

Pawloski, Lisa

**Associate Professor**

Lynn, Christopher

Pritzker, Sonya

**Assistant Professor**

Blair, Elliot

Chiou, Katie

Helfrecht, Courtney

Horan, Holly

Lacquement, Cameron

McClure, Stephanie

Tokovinine, Alexandre

**Professors emeriti**

Bindon, James

Blitz, John H.

Dressler, William W.

Jacobi, Keith P.

Knight, Vernon. J

Murphy, Michael

Diehl, Richard

Oths, Kathryn S.

## Anthropology, BA

Anthropology students are typically interested in a wide range of topics, unified only by their connection to the human condition. These interests range from the reconstruction of the evolutionary processes leading to modern humans to complex issues concerning contemporary human cultural diversity. Many students are fascinated by the archaeological remains of the peoples who previously occupied not only our region, but many other areas of the world. Many of our students are interested in traveling, meeting people of other societies, viewing museum exhibits, analyzing artifacts, interviewing and learning techniques of observation, learning new languages and developing excellent cross-cultural communication skills. Anthropology students acquire skills that serve them in many different settings and occupations, including how to communicate with people of different cultures, how to recognize the varied perspectives that characterize people from different societies, how to gather and interpret data about human beings and how to obtain funding and work within a budget.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

**Students are expected to meet the director of undergraduate studies as soon as they declare a major in Anthropology.** The director will advise them of curriculum requirements, assign an adviser in the department, and answer any questions concerning curriculum.

## Special Opportunities

The department sponsors a local chapter of Lambda Alpha, a national anthropology honor society. Membership requires junior standing, at least 12 hours of completed coursework in the major and a minimum cumulative GPA of 2.5. The department also supports an active student-run Anthropology Club, which is involved in archaeological digs, the Moundville Native American Festival, and many other academic and recreational activities throughout the year.

Students earning the bachelor of arts (BA) degree with a major in anthropology must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor

(or second major) and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
ANT 102 Intro to Cultural Anthropology	3
ANT 107 Intro to Archaeology	3
ANT 210 Language and Culture	3
ANT 270 Biological Anthropology	4
ANT 421 or Ethnography	3
ANT 440 Culture	
ANT archaeology 300-400 level <sup>1</sup>	3
ANT biological 300-400 level <sup>2</sup>	3
ANT general elective 200+ level	3
ANT general electives 300+ level	9

#### Archaeology Courses

The archaeology requirement must be completed from this list:

ANT 303 Maya Language and Culture	
ANT 319 Ancient New World Civilization	
ANT 361 Environmental Archaeology	
ANT 366 Field Archaeology	
ANT 368 Southeastern Archaeology	
ANT 409 Ancient Maya Civilization	
ANT 422 Archaeological Ethics	
ANT 424 Applied Archaeology: CRM	
ANT 425 GIS for Archaeologists	
ANT 426 Archaeology East North America	
ANT 428 North American Archaeology	
ANT 434 Archaeology of Food	
ANT 444 Anthropology and Cemeteries	
ANT 445 Historical Archaeology	
ANT 458 Museum Collections Management	
ANT 460 Anthropology and Museums	
ANT 462 Ancient Andean Civilizations	
ANT 464 Paleoethnobotany	
ANT 466 Laboratory Methods Archaeology	

#### Biological Anthropology Courses

The biological anthropology course must be completed from this list:

ANT 311 Pop., Health & Human Origins	
ANT 312 Non-Human Primates	
ANT 423 Legal Anthropology	
ANT 471 Fossil Humans and Evolution	
ANT 473 Human Osteology	
ANT 474 Neuroanthropology	
ANT 475 The Plastic Human	
ANT 476 Nutritional Anthropology	
ANT 478 Anthro of Human Development	
ANT 479 Human Paleopathology	

#### Cultural Anthropology/Linguistics Electives

Possible 300+ electives in cultural anthropology and linguistics can be completed from this list:

ANT 302 Language and Race	
---------------------------	--

ANT 307 Science, Technology, & Justice	
ANT 317 Anth-Modern Life	
ANT 322 Anthropology of CAM	
ANT 326 Service Ethnography	
ANT 401 Linguistic Anthropology	
ANT 402 Health Inequities	
ANT 405 Culture, Mind, and Behavior	
ANT 406 Biocultural Bodies	
ANT 410 Ethnography of Communication	
ANT 411 Culture, Health, and Healing	
ANT 412 Anthropology of Europe	
ANT 413 Peoples of Latin Amer	
ANT 414 Anthropology of Africa	
ANT 415 Contemporary China	
ANT 438 Anthropology of Art	
ANT 440 Culture	

**Total Hours** 34

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Ancillary Courses

The major in anthropology does not require ancillary courses. However, students considering graduate school are encouraged to study a foreign language.

## Required Minor

This major requires the completion of a minor or a second major.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

The prerequisites for 300+ level ANT courses include introductory courses specific to a subfield (i.e., ANT 102 Intro to Cultural Anthropology is required to enroll in upper level courses in cultural anthropology, ANT 107 Intro to Archaeology is required to enroll in upper level courses in archaeology, ANT 210 Language and Culture is required to enroll in upper level courses in linguistic anthropology, and ANT 270 Biological Anthropology is required to enroll in upper level courses in biological anthropology). Independent research classes require at least 6 hours of ANT classes be completed prior to enrollment. If a student lacks the necessary credits or courses, they may request permission to enroll from the instructor.

## Concentrations

Students majoring in Anthropology have the options of concentrating in **Archaeology of the Americas** or **Health Professions**. No additional classes are required, but specific electives (12 hrs) will replace the 4 general electives for the major.

### Health Professions Concentration

Students pursuing a major in anthropology who are interested in a career in health professions such as medicine, nursing, public health, health policy, epidemiology, medical anthropology or medical sociology can choose a sequence of courses in the health professions concentration. These students should choose anthropology electives from the following courses below for their general 100+ (3 hrs) and 300+ (6 hrs) electives:

Health Professions Concentration		Hours
ANT 275	Race, Ethnicity, & Human Var.	3
ANT 411	Culture, Health, and Healing	3
Select two of the following (6 hours):		6
ANT 302	Language and Race	
ANT 305	Tattooing and Human Nature	
ANT 307	Science, Technology, & Justice	
ANT 311	Pop., Health & Human Origins	
ANT 322	Anthropology of CAM	
ANT 402	Health Inequities	
ANT 406	Biocultural Bodies	
ANT 405	Culture, Mind, and Behavior	
ANT 414	Anthropology of Africa	
ANT 415	Contemporary China	
ANT 421	Ethnography	
ANT 440	Culture	
ANT 474	Neuroanthropology	
ANT 475	The Plastic Human	
ANT 478	Anthro of Human Development	
ANT 476	Nutritional Anthropology	
Credit Hours Subtotal:		12

### Archaeology of the Americas Concentration

Students pursuing a major in anthropology who are interested in an academic career in archaeology or a career in cultural resource management with companies such as the National Park Service, the National Forest Service, Bureaus of Land Management, U.S. Army Corps of Engineers and State Historic Preservation offices or private consulting firms should choose a total of nine hours of anthropology electives from the following courses:

Archaeology of the Americas Concentration		Hours
ANT 366	Field Archaeology (3 hours of this 6 hour course will apply)	3
ANT 466	Laboratory Methods Archaeology	3
Select two of the following (6 hours):		6
ANT 303	Maya Language and Culture	
ANT 319	Ancient New World Civilization	
ANT 361	Environmental Archaeology	
ANT 368	Southeastern Archaeology	
ANT 409	Ancient Maya Civilization	
ANT 422	Archaeological Ethics	
ANT 424	Applied Archaeology: CRM	

ANT 425	GIS for Archaeologists
ANT 426	Archaeology East North America
ANT 427	Radiocarbon for Archaeologists
ANT 428	North American Archaeology
ANT 434	Archaeology of Food
ANT 444	Anthropology and Cemeteries
ANT 445	Historical Archaeology
ANT 458	Museum Collections Management
ANT 460	Anthropology and Museums
ANT 462	Ancient Andean Civilizations
ANT 464	Paleoethnobotany

Students with anthropology degrees have employment opportunities in educational institutions, museums, non-profit and non-governmental organizations, international agencies, marketing (and other aspects of commerce), health agencies, the Park and Forest services, the Bureau of Land Management, U.S. Army Corps of Engineers, state historic preservation offices, cultural resource management firms and many other professions.

## Types of Jobs Accepted

Graduates of the Department of Anthropology at UA have gone on to pursue advanced degrees, found employment in institutions of higher learning, in private cultural resource firms, in journalism and in public health entities (both in the U.S. and abroad.)

## Jobs of Experienced Alumni

Peace Corps volunteer in Nepal; professor, vice president of public service and outreach; Center for Disease Control specialist; archaeologist with the National Park Service, National Forest Service, Bureau of Land Management or the U.S. Army Corps of Engineers; consumer habit researcher with Microsoft; product promotion strategist with AT&T

Learn more about opportunities in this field at the Career Center

## Anthropology, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Students are expected to meet the director of undergraduate studies as soon as they declare a minor in Anthropology. The director will advise them of curriculum requirements and answer any questions concerning curriculum.

Code and Title	Hours
<b>Minor Courses</b>	
Select two of the following:	6
ANT 100	Anthropology and Humanity
ANT 102	Intro to Cultural Anthropology
ANT 107	Intro to Archaeology
ANT 210	Language and Culture
ANT 270	Biological Anthropology
ANT electives 200+	6
ANT electives 300+	9
<b>Total Hours</b>	<b>21</b>



## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Point Average (GPA) section of this catalog for an explanation of grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

Unless otherwise stated, the prerequisite for 300- and 400-level ANT courses is 12 credits in anthropology, typically including introductory courses specific to a subfield (i.e., ANT 102 Intro to Cultural Anthropology, ANT 107 Intro to Archaeology, ANT 210 Language and Culture, ANT 270 Biological Anthropology). If students lack necessary credits or courses, they may request permission from the instructor.

## Evolutionary Studies, Minor

The Evolutionary Studies (EvoS) program is an interdisciplinary minor. The minor combines courses in biology, anthropology, geology, psychology, philosophy, astronomy, history, and others. Students are required to complete at least 20 credits that will introduce them to the principles of evolution and its numerous applications for understanding all life. The purpose of this program is to provide students a foundation in one of the most important explanatory theories of modern thought.

This minor includes two team-taught Capstone courses that are integrated with the University's Alabama Lecture's on Life's Evolution (ALLELE) series. This integration enables students to interact with invited speakers from various disciplines inside and outside the classroom, exposure intended to provide students with a vantage on post-baccalaureate opportunities for people with training in Evolutionary Studies. Speakers for the ALLELE series change annually, and a list of current and past speakers can be found here.

EvoS is part of a worldwide consortium that includes more than 40 other institutions. This affiliation provides students access to additional resources outside UA, including the student-oriented, peer-reviewed *EvoS Journal*, archived lectures by evolution experts, a newsletter, blogs, and links to student EvoS groups active at other institutions.

For more information or to enroll, contact program director Dr. Rebecca Minzoni (Geology).

## Declaring a Minor in Evolutionary Studies

There are no prerequisites for admission to the EvoS minor. Students are expected to formally declare the EvoS minor with the assistance of the EvoS program director, Rebecca Minzoni (rminzoni@ua.edu).

Code and Title		Hours
<b>Foundation Courses</b>		
AS 150	Evolution for Everyone	3
BSC 220	Biol Evol	3
AS 480	Advanced EvoS	3
Select one of the following:		3-4
ANT 270	Biological Anthropology	
GEO 102	The Earth Through Time	
PHL 387	Philosophy and Evolution	
		Credit Hours Subtotal: 12-13
<b>Integrative Courses</b>		
ANT 431	Readings In Anth	1-3
ANT 451	Undergraduate Research (Should be taken in major department)	1-6
		Credit Hours Subtotal: 2-9
<b>Elective Context Courses</b>		
Select six or more course credits from at least two different departments that are not your major		6
		Credit Hours Subtotal: 6
<b>Total Hours</b>		<b>20-28</b>

## Elective Context Areas

### Anthropology Electives

Code and Title		Hours
ANT 208	Anthropology of Sex	3
ANT 270	Biological Anthropology	4
ANT 275	Race, Ethnicity, & Human Var.	3
ANT 311	Pop., Health & Human Origins	3
ANT 312	Non-Human Primates	3
ANT 471	Fossil Humans and Evolution	3
ANT 473	Human Osteology	3
ANT 475	The Plastic Human	3
ANT 479	Human Paleopathology	3

### Astronomy Electives

Code and Title		Hours
AY 155	Life in the Universe	3

### Biological Sciences Electives

Code and Title		Hours
BSC 315	Genetics	3
BSC 373	Vertebrate Zoology	4
BSC 400	Vertebrate Funct Morphol	4
BSC 420	Principles Of Systematics	4
BSC 428	Biology Of Fishes	4
BSC 434	Plant Systematics	4
BSC 441	Developmental Biology	3
BSC 442	Integrated Genomics	4
BSC 448	Animal Behavior	3
BSC 449	Endocrinology	3
BSC 464	Biology Of Algae	4
BSC 470	Prin Pop Genetics	3
BSC 482	Conservation Biology	3

BSC 483	Evolution	3
BSC 487	Biogeography	3

## Geological Sciences Electives

Code and Title	Hours
GEO 102 The Earth Through Time	4
GEO 355 Invertebrate Paleontology	3
GEO 367 Sedimentology/Stratigraphy	4
GEO 401 Paleoclimatology	3

## History Electives

Code and Title	Hours
HY 455 The Darwinian Revolution	3

## Philosophy Electives

Code and Title	Hours
PHL 387 Philosophy and Evolution	3
PHL 390 Special Topics in Philosophy	1-3

## Psychology Electives

Code and Title	Hours
PY 313 Sensation and Perception	3
PY 352 Developmental Psych	3
PY 413 Physiological Psych	3

## Journalism and Creative Media Electives

Code and Title	Hours
JCM 372 Media Effects	3
JCM 448 News Analysis	3

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Global Health, Minor

The global health program is an interdisciplinary minor. The minor combines courses in anthropology, political science, geography, religious studies, philosophy, health science, nutrition, economics, history, and others. Students are required to complete at least 18 credits that will introduce them to the principles of global health. Students are also expected to conduct an experiential learning component such as study abroad, undergraduate research, or service learning. At least 3 credits in a foreign language (200+ level) are also required as an ancillary requirement for the minor.

Students should recognize that when selecting their minor courses they cannot also be applied to their major.

For more information or to enroll, contact the program advisor, Dr. Lisa Pawloski (College of Arts and Sciences, Anthropology).

### Declaring a Minor in Global Health

The Global Health minor is open to all UA undergraduate students. The ancillary requirements of the program include 3 credits of foreign language at the minimum of a 202 level. Students are expected to formally declare the Global Health minor with the assistance of the Global Health program director, Lisa Pawloski (lpawloski@ua.edu).

## Global Health Hours

### Requirements

A minimum of six hours of 300 and 400-level courses in the minor must be earned on this campus.

### Foundation Courses

ANT 225	Introduction to Global Health	3
HHE 273 or	Introduction to Public Health	3
HHE 446	Health Disparities	

### Study Abroad Program or Experiential Learning Course 3

Advisor approval required

### Integrated Global Health & Medical Anthropology Course - Select One 3

ANT 270 Biological Anthropology

ANT 402 Health Inequities

ANT 411 Culture, Health, and Healing

### Quantitative Skills - Select One 3

BER 345 Educational Statistics

GY 430 Intro Geographic Info Systems

PY 211 Elem Statistical Methods

ST 260 Statistical Data Analysis

### Elective - Select One 3

Advisor approval required

ANT 302 Language and Race

ANT 311 Pop., Health & Human Origins

ANT 322 Anthropology of CAM

ANT 405 Culture, Mind, and Behavior

ANT 476 Nutritional Anthropology

ANT 478 Anthro of Human Development

GY 414 Climate Change and Health

GY 453 Environment & Society

HHE 445 Environmental Health

HY 346 Epidemics! A History of Medicine

NEW 365 Environmental Policy

NEW 403 Global Health

NHM 101 Intro Human Nutrition

PHL 223 Medical Ethics

PSC 311 Pol Party & Elections

PSC 464 The Politics of Health Policy

REL 220 Survey Of Asian Religion

SOC 305 Food, Culture, and Society

SOC 360 Sociology of HIV/AIDS

**Total Hours 18**

## Department of Art and Art History

The Department of Art and Art History offers undergraduate programs in studio art (BA and BFA) and in art history (BA). The Bachelor of Arts degree (BA) offers an expansive educational experience and is designed to allow the greatest flexibility in customizing the degree program to meet individual goals and interests. The Bachelor of Fine Arts degree (BFA) is the professional degree for studio arts and is designed for individuals who are certain that they want to enter an art field or to continue their education at the graduate level. It provides extensive training in a variety of studio areas and allows for specialization within the field.

The department also offers graduate programs in both areas. For information on these programs, please see the graduate catalog.

The Bachelor of Arts in art history is designed to provide undergraduate students with a broad and comprehensive knowledge of the history of world art. In art history, students will learn the history of major works and movements in the Western world, gain an exposure to global trends in art, develop abilities of distinguishing different styles in art and acquire a basic understanding of art theory and aesthetics. Students will learn to think critically about art and its history, including the ability to discern the implication of concepts like “masterpiece,” to understand how “high art” and “popular culture” interact, to discover why strategies of exhibition and display influence our perception of art, and to determine how issues of identity inform the history of art and art production.

Studio art majors develop their intellect, perception and creativity while engaged in the visual arts within the context of a universitywide undergraduate liberal arts curriculum. Studio art programs provide education and training for those wishing to become professional visual artists or to work in arts-related fields. While the objectives of study are not primarily vocational, students will acquire knowledge and skills that may lead to employment in arts-related fields such as teaching, design, communication arts, art therapy, gallery work, or museum administration. After completing a series of foundation courses, students are able to focus their coursework in one of seven media areas: ceramics, digital media (graphic design/digital arts/animation), drawing, painting, photography, printmaking, or sculpture.

• **Majors**

- Art History, BA (p. 429)
- Graphic Design, BFA (p. 430)
- Studio Art, BA (p. 432)
- Studio Art, BFA (p. 434)

• **Minors**

- Art History (p. 430)
- Art (Studio) (p. 428)
- Medieval and Early Modern European Studies (p. 431)

**Chair**

- Guynes, Jason

**Professors**

- Guynes, Jason
- Pagani, Cathy
- Wedderspoon, Craig

**Associate professors**

- Curzon, Lucy (Graduate Program Director – Art History)
- Dooley, William
- Jones, Tanja (Undergraduate Program Director)
- Jordan, Christopher
- Marshall, Sarah
- Schulte, Peter
- Shineman, Sky
- Speed, Bryce
- Stephens, Rachel

**Assistant professors**

- Castenell, Wendy
- Cumberland, Jonathan
- Feltman, Jennifer

- Grant, Allison (Graduate Program Director – Studio Art)
- Kim, Mina
- MacDonald, Wade
- Sung, Doris

**Instructors**

- Adams, Katie
- Dyer, Mary
- Fuller, Joel
- Gentry, Kelly
- Grimes, Jamey
- Klosterman, John
- McKibben, Micah
- Moore, Megan
- Morgan, Celestia
- Palmer, Cassandra
- Sico, Jillian
- Smoot, Amy
- Sniadecki, Mark
- Wegrzynowski, Charlotte
- Wegrzynowski, Tom

**ARH151 Intro to Visual Arts**

FA

Hours 3

Not applicable to the studio or art history majors or minors. Introduction to the appreciation of art through an examination of the nature, themes, and purposes of art, the exploration of visual arts media and methods; and a survey of art history and artistic masterpieces.

Fine Arts

**ART110 Drawing I**

Hours 3

Basic studio course concerned with comprehension of visual concepts and development of skills through exposure to drawing media.

[View All Courses](#)

**Faculty**

**Chair**

Guynes, Jason

**Professors**

Guynes, Jason

Pagani, Cathy

Wedderspoon, Craig

**Associate professors**

Curzon, Lucy (Graduate Program Director – Art History)

Dooley, William

Jones, Tanja (Undergraduate Program Director)

Jordan, Christopher

Marshall, Sarah

Schulte, Peter

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Grimes, Jamey

Klosterman, John

McKibben, Micah

Moore, Megan

Morgan, Celestia

Palmer, Cassandra

Sico, Jillian

Smoot, Amy

Sniadecki, Mark

Wegrzynowski, Charlotte

Wegrzynowski, Tom

## Art (Studio), Minor

### Admission into the Minor

Students may formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
Select two of the following:	6
ART 110 Drawing I	
ART 130 2D Design	
ART 131 3D Design	
ART 210 Drawing II	
Credit Hours Subtotal:	6
<b>Electives</b>	
ART elective 300 or 400 level	6
ART elective	6
Credit Hours Subtotal:	12
ARH elective 300 or 400 level <sup>1</sup>	3
<b>Total Hours</b>	<b>21</b>

**Footnotes**

1. It is strongly recommended that all ART minor students take ARH 252, ARH 253, or ARH 254 as the Fine Arts (FA) credit in their General Education requirements.

## Grade Point Average

A 2.0 grade point average in the minor is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation of grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

ARH 151 Intro to Visual Arts is not applicable to the minor in studio art. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College, and University requirements.

### Faculty

**Chair**

Guynes, Jason

**Professors**

Guynes, Jason

Wedderspoon, Craig

**Associate professors**

Dooley, William

Jordan, Christopher

Marshall, Sarah

Schulte, Peter

Shineman, Sky

Speed, Bryce

**Assistant professors**

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Fuller, Joel

Grimes, Jamey

Klosterman, John

Morgan, Celestia

Palmer, Cassandra

Sico, Jillian

Smoot, Amy

Sniadecki, Mark

Wegrzynowski, Charlotte

Wegrzynowski, Tom

## Art History, BA

Art History students are typically interested in studying works of art as representative of certain historical periods, learning the skills of formal analysis, understanding the social production of art, and discovering the role that museums and art galleries play in our contemporary culture. High school preparation may include some classes in studio art or art history, but these are not necessary for entrance into the major.

### Admission into the Major

There is no formal admissions process to the Art History BA program beyond the general UA admissions process. Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

### Degree Requirements

Students earning the bachelor of arts (BA) degree with a major in art history must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
Select two of the following:	6
ARH 252 Survey of Art I	
ARH 253 Survey Of Art II	
ARH 254 Survey Of Art III	
ARH electives 300 or 400 level	9
Non-western	3
ARH 254 Survey Of Art III	
ARH 352 Early Christian Byzantine Art	
ARH 354 Art of South & Southeast Asia	
ARH 355 The Art of Imperial China	
ARH 356 Art of Japan	
ARH 357 Print(s) Culture of East Asia	
ARH electives	15
Theories and Methods of Art History	3
ARH 490 Theories and Methods Art His.	
<b>400-level seminar in specific topic area</b>	3
<b>It is advised (although not required) that ARH 490 and the 400-level seminar should be taken in sequence as a senior Capstone experience.</b>	
These include:	
ARH 455 Topics In Asian Art	
ARH 461 Topics in Medieval Art	
ARH 467 Topics Renaissance Art	
ARH 477 Topics in American Art	
ARH 481 Topics 20th Century Art	
ARH 488 Topics in African American Art	
<b>Ancillary Courses</b>	

Grades in ancillary courses are not computed into the major GPA.

The major in art history requires the successful completion of the following courses outside the major:

ART electives	6
FR or GN <sup>1</sup>	6-8
<b>Total Hours</b>	<b>51-53</b>

#### Footnotes

<sup>1</sup> Successful completion of one year of university-level proficiency or equivalent proficiency in a single foreign language, preferably French or German, is required. It is *recommended* (but not required) that students, especially those considering graduate work in Art History, pursue study of that foreign language for a second year (or through the 200 level).

### Upper-level Residency

A minimum of 12 hours in 300- and 400-level courses in the major must be earned on this campus.

### Required Minor

This major requires the completion of a minor.

### Additional Minor Requirements

ARH 151 Intro to Visual Arts is not applicable to the major in art history. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

### Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

The BA in art history degree provides the student with the knowledge of art history required for employment in related fields, such as art librarianship, K-12 art instruction and museum and gallery work. Students interested in pursuing a career in the fields of museum curatorial work and university-level teaching will need to continue studies at the graduate level.

### Types of Jobs Accepted

Recipients of the Bachelor of Arts in art history from The University of Alabama accepted jobs in a variety of fields, including various public arts organizations; museums; public and private art galleries; and K - 12 education. Many continue in higher education and have been accepted into the graduate programs of City University of New York, Emory University, Kansas University, Texas University, Florida State University, The University of Alabama, and many other institutions of higher learning.

### Jobs of Experienced Alumni

Our experienced alumni include professors of art history, museum curators, museum educators, and historic preservation specialists.

Learn more about opportunities in this field at the Career Center

#### Faculty

##### Chair

Guynes, Jason

**Associate professors**

Curzon, Lucy

Stephens, Rachel

Jones, Tanja

**Assistant professors**

Castenell, Wendy

Feltman, Jennifer

Kim, Mina

Sung, Doris

**Instructors**

Dyer, Mary

Gentry, Kelly

McKibben, Micah

Moore, Megan

Wegrzynowski, Tom

## Art History, Minor

### Admission into the Minor

Students may formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
Select two of the following:	6
ARH 252 Survey of Art I	
ARH 253 Survey Of Art II	
ARH 254 Survey Of Art III	
ARH electives 300 or 400 level	6
ARH electives	6
Credit Hours Subtotal:	18
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the major GPA. The minor in art history requires the successful completion of the following course outside the minor:	
ART Elective	3
Credit Hours Subtotal:	3
<b>Total Hours</b>	<b>21</b>

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

ARH 151 Intro to Visual Arts is not applicable to the minor in art history. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Faculty

**Chair**

Guynes, Jason

**Associate professors**

Curzon, Lucy

Jones, Tanja

Stephens, Rachel

**Assistant professors**

Castenell, Wendy

Feltman, Jennifer

Kim, Mina

Sung, Doris

**Instructors**

Dyer, Mary

Gentry, Kelly

McKibben, Micah

Moore, Megan

Wegrzynowski, Tom

## Graphic Design, BFA

The Graphic Design, BFA is designed to prepare students with the fundamental skills to create visual responses to the communication challenges of the contemporary world. With ever evolving technologies and the vast array of markets, this BFA program provides specialized training in conceptual development, visual media and a mastery of creative technology. Upon completion of the program, students will immediately be prepared for a career in graphic design with a professional portfolio that showcases their design work for printed and digital applications.

Course Number and Title	Hours
<b>General Education Courses:</b>	
EN 101 and EN 102 Freshman English	6
Two foreign language courses	6
Courses in History and Social/ Behavioral Sciences	12
Courses in Fine Arts, Literature, Humanities	12
Courses in Mathematics and Natural Sciences	11
<b>BFA Core Courses:</b>	
ART 110 Drawing I	3
ART 130 2D Design	3
ART 131 3D Design	3
ART 210 Drawing II	3
ART 302 Color Theory & Application	3
ART 218 Intro to Digital Photography	3
ART 200 – 400 Art Studio Electives	12
<b>Select 12 credit hours from the following:</b>	
ART 208 Special Projects	

ART 212	Ceramics	
ART 216	Painting	
ART 220	Introduction to Printmaking	
ART 222	Sculpture	
ART 224	Introduction To Digital Art I	
ART 305	Aqueous Media	
ART 310	Life Drawing	
ART 311	Figurative Modeling	
ART 312	Ceramics	
ART 313	Ceramics	
ART 316	Painting Composition	
ART 317	Painting Concepts	
ART 318	Intermediate Digital Photo	
ART 319	Darkroom Photography	
ART 320	Printmaking: Intaglio & Relief	
ART 321	Printmaking: Lithography	
ART 322	Sculpture	
ART 323	Sculpture	
ART 324	Intermediate Digital Art	
ART 325	Monoprint Monotype	
ART 329	Photo-based Processes	
ART 338	Photographic Studio Lighting	
ART 344	Concepts in Drawing	
ART 406	Independent Studies	
ART 408	Special Projects	
ART 410	Drawing Seminar	
ART 412	Ceramics	
ART 416	Advanced Painting Seminar	
ART 418	Advanced Photography	
ART 420	Printmaking	
ART 421	Printmaking Practicum	
ART 422	Sculpture	
ART 423	Public Sculpture	
ART 424	Advanced Digital Media	
ART 444	Advanced Concepts in Drawing	
ARH 252	Survey of Art I	3
ARH 253	Survey Of Art II	3
ARH 300 – 400 level		9
<b>BFA Major Courses:</b>		
ART 214	Introduction to Graphic Design	3
ART 314	Typography	3
ART 315	Digital Layout and Production	3
ART 334	Branding & Identity Systems	3
ART 335	Publication Design	3
ART 414	Graphic Design Portfolio	3
ART 300 – 400 Graphic Design Electives		6
Select 6 credit hours from the following:		
ART 326	Video Art and Animation	
ART 415	Graphic Design Internship	
ART 433	Package Design	
ART 434	Illustration	
ART 435	Web Design	

ART 499	Senior Thesis	6
<b>Total Hours</b>		<b>122</b>

Admission to the program will be based on a portfolio review. Students will be required to complete a senior thesis their final semester before graduation.

Learn more about opportunities in this field at the Career Center

## Medieval and Early Modern European Studies Minor

The minor in Medieval and Early Modern European Studies (MEMES) is an interdisciplinary program designed to encourage student engagement with faculty in medieval and early modern fields (300-1800 CE), with a focus on Europe and across multiple departments. This program extends student opportunities for critical thinking and engagement with a range of relevant issues and materials.

### Admission to the Minor

For admission to the minor, students should meet with the Program Director (Dr. Tanja Jones, Art History, tljones10@ua.edu)

### Program Requirements

The Minor in Medieval and Early Modern European Studies requires a minimum of 18 credit hours (outside of the major or other minors\*), and includes an ancillary language requirement. At least 6 credits applied to the Minor must be 300-400 level courses taken on the UA campus.

*\*see the exemption notation under 3. Ancillary Language Requirement*

To fulfill the Minor requirements, students must complete the following:

1. Research Colloquium (3 hours)
2. Courses in at least 3 separate Areas of Study (12 hours)
3. Ancillary language requirement
4. Capstone Research Project (3 hours)

#### 1. Required Research Colloquium (3 hours):

Students will participate in the Medieval and Early Modern European Colloquium (AS 220), a seminar under the direction of the Program Director. The course is designed to introduce students to broad issues, methods, and areas of study in the field via readings and interactions with participating faculty through guest lectures and related activities. It is intended to prepare students for curriculum options at the 300 and 400 levels but is not a pre-requisite to completion of those.

#### 2. Areas of Study (12 hours total)

Students will take a total of 4 courses from at least 3 participating departments, outside their major requirements or other minors. Courses must be selected from the following (other courses may be substituted with pre-approval):

<b>American Studies</b>		<b>Hours</b>
AMS 470	Natives and Newcomers	
<b>Art History</b>		<b>Hours</b>
ARH 350	Roman Art	
ARH 352	Early Christian Byzantine Art	
ARH 360	Early Medieval Art	
ARH 361	Late Medieval Art	
ARH 365	Northern Renaissance Art	

ARH 367	Art Patronage Florence (Study Abroad)
ARH 368	Early Renaissance Art
ARH 369	Later Italian Renaissance Art
ARH 371	Baroque Art South Europe
ARH 373	Baroque Art North Europe
400-level Topics (pre-approval required based upon topic)	

<b>Communication Studies</b>	<b>Hours</b>
COM 301	Intro Rhetorical Theory

<b>English</b>	<b>Hours</b>
EN 205	English Literature I
EN 215	Honors English Literature I
EN 330	Chaucer And Medieval Literatur
EN 332	Sixteenth Century Literature
EN 335	Milton
EN 347	English Lit During Enlighthent
400-level Topics (pre-approval required based upon topic)	

<b>History</b>	<b>Hours</b>
HY 101	Western Civ To 1648
HY 105	Honors West Civ To 1648
HY 111	Colonial Latin America
HY 115	Science/Medicine to 1800
HY 370	A history of the Atlantic World, 1400-1800
HY 374	The History of Pirates
HY 386	History Of Rome
HY 388	The Crusades
HY 442	The Middle Ages
HY 443	Renaissance
HY 444	Reform & Counter-Reformation
HY 473	Indians, Nuns, & Rogues
HY 477	Imperial Spain's "Golden Age"
HY 481	War/Dipl. in Med & Mod. Europe
HY 482	War & Religion in the West
HY 483	Thirty Years' War
HY 490	England under Tudors
HY 491	England under Stuarts

<b>Modern Languages &amp; Classics</b>	<b>Hours</b>
CL 222	Greek Roman Mythology
CL 350	Roman Religion
FR 341	Survey Fr Literature I **
GN 250	Germanic Mythology
GN 264	German Literature Translatn I
GN 371	Gn Cult Civil Thru 1832 **
IT 364	IT Lit: Medieval to Modern
RUS 223	Rus Lit in Trans I
SP 371	Lit. & Cult. of Sp. pre-1800 **
SP 491	Cervantes **

**Footnotes**

\*\* Designates a course taught in subject language (not English).

<b>Music</b>	<b>Hours</b>
MUS 251	Music History I
MUS 427	Studies In Special Lit (pre-approval based upon topic)

<b>Philosophy</b>	<b>Hours</b>
PHL 212	Early Modern Philosophy

<b>Political Science</b>	<b>Hours</b>
PSC 353	Modern Political Thought

<b>Theatre</b>	<b>Hours</b>
TH 451	Hist Of The Theatre I

**3. Ancillary Language Requirement**

Students must complete the ancillary requirement for the Minor by fulfilling one of the following options: \*

- Both 101 and 102 of Latin, Italian, Greek, German, Spanish, French, or Arabic OR
- 103 of one of the languages noted above OR
- any 3-hour course (other than those listed in section 2 above) at the 200- level or higher in one of the languages noted above

\* *Students already meeting these language requirements as part of their major or another minor may apply them (and the same language) to the MEMES Minor; additional or other languages may be applied to the minor as applicable and if approved by the Program Director.*

**4. Capstone Research Project (3 hours)**

No later than the end of the semester prior to completion of the Minor requirements, students will propose a Final Research Project (as a 3-hour Independent Research course) that reflects the intended spirit of the Minor based upon their experiences in Minor coursework. The proposal will be reviewed for pre-approval by the Program Director and a Faculty Mentor in one of the participating Departments. During the final semester of the Minor, the student will complete the project under the supervision of the Faculty Mentor with a Reader from a second participating Department. This should result in an appropriate project such as a paper, poster, performance, website, or exhibition.

**Grade point average:**

A 2.5 grade point average in the minor is required. The minor GPA is calculated based on all courses applied to the minor.

**Studio Art, BA**

The Bachelor of Arts degree (BA) in Studio Art offers an expansive educational experience and is designed to allow the greatest flexibility in customizing the degree program to meet individual goals and interests.

Studio art majors develop their intellect, perception, and creativity while engaged in the visual arts within the context of a universitywide undergraduate liberal arts curriculum. Studio art programs provide education and training for those wishing to become professional visual artists and designers, or to work in arts-related fields. While the objectives of study are not primarily vocational, students will acquire knowledge and skills that may lead to employment in arts-related fields such as teaching, design, communication arts, art therapy, gallery work, or museum administration. After completing a series of foundation courses, students are able to focus their coursework in one of seven media areas: ceramics, digital media (graphic design/digital arts/animation), drawing, painting, photography, printmaking, or sculpture.



## Admission into the Major

There is no admission process for the BA beyond general UA admission requirements.

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The Department of Art and Art History operates the Sella-Granata Art Gallery that primarily features changing exhibitions of student work. Crimson Clay is a departmental student organization providing opportunities to present ceramics projects in the community and across the state. Declared majors in art and art history are able to compete for numerous merit-based departmental scholarships, which are awarded annually to returning students. Members of the faculty actively assist students with internship and project placement in design agencies, exhibition venues, public community projects, area museums, and the Alabama Art History Association. The department also maintains cooperative agreements with local art galleries and spaces which allow student exhibition possibilities.

Students earning the bachelor of arts (BA) degree with a major in studio art must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
ART 110 Drawing I	3
ART 130 2D Design	3
ART 131 3D Design	3
ART 210 Drawing II	3
Credit Hours Subtotal:	12
<b>Studio Art Electives</b>	
Select twelve hours of ART electives 300-499 level	12
Select six hours of ART electives	6
Credit Hours Subtotal:	18
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the major GPA. The major in studio art requires the successful completion of the following courses outside the major.	
Select two of the following:	6
ARH 252 Survey of Art I	
ARH 253 Survey Of Art II	
ARH 254 Survey Of Art III	
Select three hours of 300-400 level ARH courses (with the exception of ARH 490)	3
Students must take 3 hours of ART 496 'BA Studio Capstone' in the last two semesters of coursework.	3
<b>Total Hours</b>	<b>42</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

ARH 151 Intro to Visual Arts is not applicable to the major in studio art. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

Studio art BA programs provide education and training for those wishing to become professional visual artists and designers, or to work in arts-related fields. While the objectives of study are not primarily vocational, students will acquire knowledge and skills that may lead to employment in arts-related fields such as teaching, design, communication arts, art therapy, gallery work, or museum administration.

## Types of Jobs Accepted

Jobs might include professional artist, designer, artist assistant, curator, gallery director, arts administrator, or graphic designer.

## Jobs of Experienced Alumni

art director, university faculty, studio photographer, videographer, gallery director, museum curator, K-12 art educator, art conservator, gallery artist, arts administrator

The Nick Saban sculpture at Bryant-Denny Stadium was created by a student in UA's Department of Art and Art History undergraduate program.

Learn more about opportunities in this field at the Career Center

## Faculty

### Chair

Guynes, Jason

### Professors

Guynes, Jason

Wedderspoon, Craig

### Associate professors

Dooley, William

Jordan, Christopher

Marshall, Sarah

Schulte, Peter

Speed, Bryce

### Assistant professors

Cumberland, Jonathan

Grant, Allison

Grimes, Jamey

MacDonald, Wade

#### Instructors

Adams, Katie

Fuller, Joel

Klosterman, John

Morgan, Celestia

Palmer, Cassandra

Sico, Jillian

Smoot, Amy

Sniadecki, Mark

Wegrzynowski, Charlotte

Wegrzynowski, Tom

## Studio Art, BFA

The Bachelor of Fine Arts degree (BFA) in Studio Art is the professional degree in the arts and is designed for individuals who want to be professional visual artists or designers, enter a specific art field or to continue their education at the graduate level. It provides extensive training in a variety of studio areas and allows for specialization within the field. After completing a series of foundation courses, students are able to focus their coursework in one of seven media areas: ceramics, digital media (graphic design/digital arts/animation), drawing, painting, photography, printmaking, or sculpture.

### Admission into the Major

Students may choose the BFA as a major during the regular UA admissions process. However, full admission to the BFA program is only granted after applying to be admitted to the program through the BFA review process. Students expecting to complete the requirements for the BFA in studio art in four years should begin program coursework as first-semester freshmen and apply to the BFA review no sooner than the completion of 18 semester hours of studio art courses, preferably during the second term of the sophomore year. If the student does not gain admission into the program after the first attempt, a second BFA review can be conducted before the completion of 30 studio hours. If the student is not accepted into the BFA program after the second BFA review, he or she is not eligible to apply for or to pursue the BFA degree, and it is recommended that they change to the BA in Studio Art. The student is responsible for keeping track of hours completed and applying at the appropriate time. Additional details of the BFA review process are available on the departmental website.

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

### Special Opportunities

The Department of Art and Art History operates the Sella-Granata Art Gallery that primarily features changing exhibitions of student work. Crimson Clay is a departmental student organization providing opportunities to present ceramics projects in the community and across the state. Declared majors in art and art history are able to compete for numerous merit-based departmental scholarships, which are awarded

annually to returning students. Members of the faculty actively assist students with internship and project placement in design agencies, exhibition venues, public community projects, area museums, and the Alabama Art History Association. The department also maintains cooperative agreements with local art galleries and spaces which allow student exhibition possibilities.

The bachelor of fine arts (BFA) degree with a major in studio art is a professional degree preparing individuals to become professional artists or designers, enter a specific art field, or continue graduate study in studio art. Students pursuing the BFA must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements and other sufficient credits to total a minimum of 122 applicable semester hours.

Code and Title		Hours
<b>Major Courses</b>		
ART 110	Drawing I	3
ART 130	2D Design	3
ART 131	3D Design	3
ART 210	Drawing II	3
Select two of the following:		6
ART 302	Color Theory & Application	
ART 310	Life Drawing	
ART 311	Figurative Modeling	
Select 27 hours of ART the concentration 200, 300 and 400 level courses including 6 hours of ART 499 Senior Thesis. Studio area concentrations are Ceramics, Digital Media, Drawing, Painting, Photography, Printmaking, or Sculpture.		27
Select twelve hours of ART coursework as a secondary area of study. Areas of study include Ceramics, Digital Media, Drawing, Painting, Photography, Printmaking, or Sculpture.		12
Select two of the following:		6
ARH 252	Survey of Art I	
ARH 253	Survey Of Art II	
ARH 254	Survey Of Art III	
Select six hours of 300-400 level ARH courses (with the exception of ARH 490)		6
<b>Electives</b>		
Select three hours of ARH electives		3
Credit Hours Subtotal:		72
Students must take 3 hours of ART 498 'BFA Studio Capstone' two semesters before graduating.		3
<b>Total Hours</b>		<b>75</b>

### Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

### Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

### Ancillary Courses

This major does not require ancillary courses.

## Required Minor

The BFA does not require completion of a minor.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers also are available for assistance with minor, College and University requirements.

Ceramics Concentration	Hours
Select 12 hours of the following:	12
ART 212 Ceramics	
ART 312 Ceramics	
ART 313 Ceramics	
ART 412 Ceramics	
<b>Total Hours</b>	<b>12</b>

Digital Media Concentration	Hours
Select 12 hours of the following:	12
ART 214 Introduction to Graphic Design	
ART 224 Introduction To Digital Art I	
ART 314 Typography	
ART 315 Digital Layout and Production	
ART 324 Intermediate Digital Art	
ART 334 Branding & Identity Systems	
ART 335 Publication Design	
ART 414 Graphic Design Portfolio	
ART 415 Graphic Design Internship	
ART 424 Advanced Digital Media	
ART 433 Package Design	
ART 434 Illustration	
ART 435 Web Design	
<b>Total Hours</b>	<b>12</b>

Drawing Concentration	Hours
Select 12 hours of the following:	12
ART 310 Life Drawing	
ART 344 Concepts in Drawing	
ART 410 Drawing Seminar	
ART 444 Advanced Concepts in Drawing	
<b>Total Hours</b>	<b>12</b>

Painting Concentration	Hours
Select 12 hours of the following:	12
ART 216 Painting	
ART 305 Aqueous Media	
ART 316 Painting Composition	
ART 317 Painting Concepts	
ART 325 Monoprint Monotype	
ART 416 Advanced Painting Seminar	
<b>Total Hours</b>	<b>12</b>

Photography Concentration	Hours
Select 12 hours of the following:	12
ART 218 Intro to Digital Photography	
ART 318 Intermediate Digital Photo	
ART 319 Darkroom Photography	
ART 338 Photographic Studio Lighting	
ART 418 Advanced Photography	
<b>Total Hours</b>	<b>12</b>

Printmaking Concentration	Hours
Select 12 hours of the following:	12
ART 220 Introduction to Printmaking	
ART 320 Printmaking: Intaglio & Relief	
ART 321 Printmaking: Lithography	
ART 325 Monoprint Monotype	
ART 329 Photo-based Processes	
ART 420 Printmaking	
<b>Total Hours</b>	<b>12</b>

Sculpture Concentration	Hours
Select 12 hours of the following:	12
ART 222 Sculpture	
ART 322 Sculpture	
ART 323 Sculpture	
ART 422 Sculpture	
<b>Total Hours</b>	<b>12</b>

The Bachelor of Fine Arts degree (BFA) in Studio Art is the professional degree in the arts and is designed for individuals who want to be professional visual artists or designers, enter a specific art field, or to continue their education at the graduate level.

## Types of Jobs Accepted

Jobs include professional artist, designer, artist assistant, animator, art director, curator, gallery director, arts administrator or graphic designer

## Jobs of Experienced Alumni

Professional artist, graphic designer, art director, university faculty, studio photographer, videographer, gallery director, museum curator, K-12 art educator, art conservator, gallery artist, arts administrator

The Nick Saban sculpture at Bryant Denny Stadium was created by a student in UA's Department of Art and Art History undergraduate program.

Learn more about opportunities in this field at the Career Center

## Faculty

### Chair

Guynes, Jason

### Professors

Guynes, Jason

Wedderspoon, Craig

### Associate professors

Dooley, William

Jordan, Christopher

Marshall, Sarah

Schulte, Peter

#### Assistant professors

Cumberland, Jonathan

Grant, Allison

Grimes, Jamey

MacDonald, Wade

#### Instructors

Fuller, Joel

Klosterman, John

Morgan, Celestia

Palmer, Cassandra

Wegrzynowski, Charlotte

Wegrzynowski, Tom

## Department of Biological Sciences

The Department of Biological Sciences offers curricula leading to three Bachelor of Science degrees in biology, microbiology, and marine science. The Bachelor of Science in biology allows considerable flexibility and can be customized to meet the interests of individual students, while also meeting the requirements of most post-graduate professional programs in medicine, dentistry, pharmacy, physical therapy, optometry and veterinary medicine. The Bachelor of Science in microbiology is a more focused program in the biology of microorganisms, but includes coursework that meets the requirements of most post-graduate professional programs in the health sciences. Finally, the Bachelor of Science in marine science provides a more interdisciplinary education into the forces that shape marine ecosystems and the diverse lifeforms that inhabit them while still preparing students for many post-graduate programs.

The Department of Biological Sciences also offers minors in biology, microbiology and marine science, and participates in interdisciplinary minors in natural resource management (p. 521) and evolutionary studies (p. 425).

No undergraduate course offered by the Department of Biological Sciences may be attempted more than three times. Mid-semester withdrawal (any withdrawal that results in a final grade of W) is not considered an attempt. Students who, in three attempts, fail to pass a required course or fail to make a C- or better in a Biology course that is a prerequisite for a required upper level course may no longer major in Biology.

- Majors
  - Biology, BS (p. 437)
  - Microbiology, BS (p. 442)
  - Marine Science, BS (p. 440)
- Minors
  - Biology (p. 439)
  - Microbiology (p. 444)
  - Marine Science (p. 441)

#### Chair and professor

- Mortazavi, Behzad

#### Professors

- Benstead, Jon
- Caldwell, Guy
- Caldwell, Kimberly
- Cherry, Julia
- Findlay, Robert
- Harris, Phillip
- Huryn, Alexander
- Lopez-Bautista, Juan
- Olson, Julie
- Sobecky, Patricia
- Starr, Greg
- Staudhammer, Christina

#### Associate professors

- Atkinson, Carla
- Earley, Ryan
- Howeth, Jennifer
- Jenny, Matthew
- Kocot, Kevin
- Lozier, Jeff
- Ramonell, Katrina
- Reed, Laura
- Yoder, John

#### Assistant professors

- Chaudhuri, Anathbandhu
- Chtarbanova, Stanislava
- Ciesla, Lukasz
- Correll, R. Nathan
- Ferguson, Paige
- Heinrich, Kaleb
- Higgins, Melanie
- Hoadley, Kenneth
- Hodges, Tyler
- Jones, Nate
- Kim, Brandon
- Lackey, Kimberly
- Lam, Daryl
- McKain, Michael
- Shogren, Ariel
- Sin, Jon
- Titus, Ben

#### BSC108 Intro Biology Non Maj I

N

Hours 4

Lecture and laboratory. Not open to biology majors or minors, or pre-health professions students. Survey of the basic principles of cellular biology, genetics, plant and animal diversity, and evolution. Usually offered fall, spring, and summer. BSC 108 and BSC 109 may be taken in either order.

Natural Science

**BSC109 Intro Biology Non Maj II**

N

Hours 4

Lecture and laboratory. Not open to biology majors or minors, or to pre-health professions students. Study of the physiology of living organisms with emphasis on the physiology of humans. Includes an overview of general ecology and animal behavior. Usually offered fall, spring and summer. BSC 108 and BSC 109 may be taken in either order.

Natural Science

**MS304 Marine Geology**

Hours 4

Credit earned in this course may not be applied to the requirements of the biological sciences major or minor. Field sampling techniques, laboratory analysis of sediments, topography, sediments, and history of the world oceans.

**MS306 Marine Biology**

Hours 4

Survey of the invertebrates, vertebrates, and marine plants as communities, with emphasis on local examples.

View All Courses

**Faculty****Chair and professor**

Mortazavi, Behzad

**Professors**

Benstead, Jon

Caldwell, Guy

Caldwell, Kimberly

Cherry, Julia

Findlay, Robert

Harris, Phillip

Huryn, Alexander

Lopez-Bautista, Juan

Olson, Julie

Sobecky, Patricia

Starr, Greg

Staudhammer, Christina

**Associate professors**

Atkinson, Carla

Earley, Ryan

Howeth, Jennifer

Jenny, Matthew

Kocot, Kevin

Lozier, Jeff

Ramonell, Katrina

Reed, Laura

Yoder, John

**Assistant professors**

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Chtarbanova, Stanislava

Ciesla, Lukasz

Correll, R. Nathan

Ferguson, Paige

Heinrich, Kaleb

Higgins, Melanie

Hoadley, Kenneth

Hodges, Tyler

Jones, Nate

Kim, Brandon

Lackey, Kimberly

Lam, Daryl

McKain, Michael

Shogren, Arial

Sin, Jon

Titus, Ben

**Biology, BS**

Students pursuing a degree in biology typically have interests in science, the environment, and/or the health professions. High school preparation should include a solid background in mathematics, introductory biology, and/or chemistry.

**Admission into the Major**

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

**Special Opportunities**

The Department of Biological Sciences offers an abundance of special opportunities for students, including an honors program, a scholars program, and a number of special areas of concentration.

**Honors Program**

The Biological Sciences Honors Program is available to students majoring in either biology or microbiology after the completion of 16 hours of biological science courses with at least a 3.4 GPA overall and in BSC courses. Admission into the program is made through an application that is submitted to the undergraduate program coordinator. Requirements for the program include: four to eight hours of BSC 390 Honors Thesis Research, maintenance of a 3.4 GPA in BSC courses and overall, and submission and defense of an acceptable honors thesis. Additional details are available in the office of the Department of Biological Sciences.

**Accelerated Masters Program**

The Department of Biological Sciences also participates in the Accelerated Master's Program, which allows highly motivated students to pursue closely integrated undergraduate and graduate programs that may lead to the simultaneous completion of requirements for both master's and bachelor's degrees. Students usually apply for

admission prior to the junior or senior year. For more information about the Accelerated Master's Program, visit [graduate.ua.edu](http://graduate.ua.edu) or consult The University of Alabama graduate catalog.

Students earning the bachelor of science (BS) degree with a major in biology must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
Select one of the following:	4
BSC 114 Principles Of Biology I & BSC 115 and Laboratory Biology I	
BSC 118 Honors General Biology I	
Select one of the following:	4
BSC 116 Principles Biology II & BSC 117 and Laboratory Biology II	
BSC 120 Honors Gen Biology II	
BSC 300 Cell Biology	3
BSC 315 Genetics	3
BSC 385 Ecology and Evolution	3
Credit Hours Subtotal:	17

<b>Electives</b>	
Select 19 hours of BSC or MS electives above 250	19
Credit Hours Subtotal:	19

<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the major GPA. The major in biology requires the successful completion of the following courses outside the major:	
CH 101 or General Chemistry	4
CH 117 Honors General Chemistry	
CH 102 or General Chemistry	4
CH 118 Honors General Chemistry	
CH 231 Elem Organic Chemistry I	3
CH 232 Elem Organic Chem II	3
CH 237 Elem Organic Chem Lab	2
MATH 125 or Calculus I	4
MATH 145 Honors Calculus I	
Select one of the following:	4
PH 101 General Physics I	
PH 105 General Physics W/Calc I	
PH 125 Honors Gen Ph W/Calculus	
Select one of the following:	4
PH 102 General Physics II	
PH 106 General Physics W/Calc II	
PH 126 Honors Gen Ph W/Calculus II	
Credit Hours Subtotal:	28

<b>Additional Major Requirements</b>	
The department offers a number of courses designed to enrich the learning experience of students beyond the traditional classroom setting. Four hours of the courses below may be applied to the major:	
BSC 391 Tutorial In Biol Science	
BSC 393 Biology Outreach	

BSC 396 Resident Study	
BSC 398 Undergraduate Research	
BSC 399 Presentation of UG Research	
BSC 403 Intro To Bsc Instruction	
BSC 404 Honors Bsc Instruction	
BSC 407 Honors Seminar In Bsc	

**Total Hours** **64**

#### Footnotes

<sup>1</sup> Beyond specific restrictions listed for each course, a total of four hours from this group may be applied to the requirements of the biology major or minor. An additional four hours may be applied as electives to the requirement for 120 hours for the degree. BSC 409 Pre-Health Apprenticeship I and BSC 410 Pre-Health Apprenticeship II are not applicable to the major in biology. A maximum of 12 hours of 100-level biology courses (BSC 108 Intro Biology Non Maj I, BSC 109 Intro Biology Non Maj II, BSC 114 Principles Of Biology I, BSC 115 Laboratory Biology I, BSC 116 Principles Biology II, BSC 117 Laboratory Biology II, BSC 118 Honors General Biology I or BSC 120 Honors Gen Biology II) may be applied to degree requirements. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College, and University requirements.

## Electives

Other BSC courses numbered 250 and above, including two laboratory courses from the following list of laboratory courses (also see the Additional Major Requirements section):

Code and Title	Hours
BSC 303 Field Zoology	3
BSC 313 Gen Bacteriology Lab	3
BSC 314 Dendrology	3
BSC 320 Freshwater Studies	4
BSC 360 Plant Biology	4
BSC 373 Vertebrate Zoology	4
BSC 390 Honors Thesis Research	1-8
BSC 396 Resident Study	1-6
BSC 398 Undergraduate Research	1-4
BSC 400 Vertebrate Funct Morphol	4
BSC 425 Human Physiology Lab	2
BSC 428 Biology Of Fishes	4
BSC 432 Pathogenic Mibrobiol Lab	3
BSC 434 Plant Systematics	4
BSC 439 Bch/Molecular Biology Lab	3
BSC 442 Integrated Genomics	4
BSC 460 Human Developmental Biology	4
BSC 464 Biology Of Algae	4
BSC 469 Histology Of Vertebrates	4
BSC 472 Mycology	4
BSC 475 General Entomology	4
BSC 476 Aquatic Insects	4

BSC 490	Stream Ecology	4
MS 306	Marine Biology	4
MS 408	Marine Invertebrate Zoology	4
MS 419	Marine Ecology	4
MS 452	Marine Vertebrate Zoology	4
MS 453	Marine Botany	4

The two laboratory courses may not be fulfilled by BSC 390 Honors Thesis Research AND BSC 398 Undergraduate Research.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

The biology major does not require a minor.

## Prerequisites

Prerequisites for all BSC courses at the 300- and 400-level must be passed with a minimum grade of C-.

## Restrictions on course attempts

No undergraduate course offered by the Department of Biological Sciences may be attempted more than three times. Mid-semester withdrawal (any withdrawal that results in a final grade of W) is not considered an attempt. Students who, in three attempts, fail to pass a required course or fail to make a C- or better in a Biology course that is a prerequisite for a required upper level course may no longer major in Biology.

A major in biology prepares students for a wide range of employment opportunities in the medical fields (medicine, dentistry, pharmacy), research, pharmaceutical sales, and education.

## Types of Jobs Accepted

Recent graduates have worked in entry-level positions in research laboratories, medical equipment and pharmaceutical sales, and K-12 education. A large number of graduates enter professional school (e.g. medicine, dentistry, veterinary, optometry, pharmacy, physical therapy) or graduate school (master's degree, Doctor of Philosophy [Ph.D.]).

## Jobs of Experienced Alumni

physician, dentist, optometrist, veterinarian, pharmacist, physician's assistant, physical therapist, laboratory technician, teacher, university professor, pharmaceutical representative, medical equipment sales representative

Learn more about opportunities in this field at the Career Center

## Biology, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the "Change of Major/Minor Application" online under the "Student" tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
Select one of the following:	4
BSC 114 Principles Of Biology I & BSC 115 and Laboratory Biology I or BSC 118 Honors General Biology I	
Select one of the following:	4
BSC 116 Principles Biology II & BSC 117 and Laboratory Biology II or BSC 120 Honors Gen Biology II	
BSC electives 300 or 400 level	6
BSC electives 200 level or above	8
<b>Total Hours</b>	<b>22</b>

## Additional Minor Requirements

No more than 4 hours earned in BSC enrichment courses may be applied to the minor. Enrichment courses are the following:

Code and Title	Hours
BSC 391 Tutorial In Biol Science	1-2
BSC 396 Resident Study	1-6
BSC 398 Undergraduate Research	1-4
BSC 399 Presentation of UG Research	2
BSC 403 Intro To Bsc Instruction	2
BSC 404 Honors Bsc Instruction	2
BSC 407 Honors Seminar In Bsc	1

**NOTE:** BSC 409 Pre-Health Apprenticeship I and BSC 410 Pre-Health Apprenticeship II are not applicable to the minor in biology.

A maximum of 12 hours of 100-level biology courses BSC 108 Intro Biology Non Maj I, BSC 109 Intro Biology Non Maj II, BSC 114 Principles Of Biology I: BSC 115 Laboratory Biology I, BSC 116 Principles Biology II: BSC 117 Laboratory Biology II, BSC 118 Honors General Biology I or BSC 120 Honors Gen Biology II) may be applied to degree requirements.

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 6 hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Prerequisites

Prerequisites for all BSC courses at the 300- and 400-level must be passed with a minimum grade of C-.

## Marine Science, BS

Students pursuing a degree in marine science typically have interests in biodiversity, conservation, the environment, and/or graduate or professional programs. High school preparation should include a solid background in mathematics, introductory life sciences, and chemistry. To complete the degree, students will be required to take courses at a marine lab, providing experiential learning opportunities.

## Marine Science Requirements

Marine Science Required Courses	Hours
<b>Core Requirements</b>	
Select one of the following:	4
BSC 114 Principles Of Biology I & BSC 115 and Laboratory Biology I or BSC 118 Honors General Biology I	
Select one of the following:	4
BSC 116 Principles Biology II & BSC 117 and Laboratory Biology II or BSC 120 Honors Gen Biology II	
Select one of the following:	4
CH 101 or General Chemistry CH 117 Honors General Chemistry	
Select one of the following:	4
CH 102 or General Chemistry CH 118 Honors General Chemistry	
Select one of the following:	4
GEO 102 or The Earth Through Time GEO 105 Sustainable Earth	
<b>Other Required Courses</b>	<b>7</b>
GEO 101 The Dynamic Earth BSC 385 Ecology and Evolution	
<b>Marine Science Courses</b>	
MS 304 Marine Geology	4
MS 306 Marine Biology	4
MS 448 Intro Oceanography	4
Marine Science 300 or 400 level Electives	4
MS 408 Marine Invertebrate Zoology MS 419 Marine Ecology MS 433 Coastal Zone Management MS 452 Marine Vertebrate Zoology MS 453 Marine Botany MS 497 Special Topics	
Select one of the following:	3
ST 260 or Statistical Data Analysis BSC 380 Intro Stats Biology	
<b>Upper Division Electives in BSC or MS</b>	<b>8</b>
Select from the Elective Course List below.	

Credit Hours Subtotal: 54

### Required Ancillary Courses:

Grades in ancillary courses are not computed into the major GPA. The major in marine science requires the successful completion of the following courses outside the major:

Math - Select one of the following:	4
MATH 125 Calculus I or MATH 14 Honors Calculus I	
Physics I - Select one of the following:	4
PH 101 General Physics I PH 105 General Physics W/Calc I PH 125 Honors Gen Ph W/Calculus	
Physics II - Select one of the following:	4
PH 102 General Physics II PH 106 General Physics W/Calc II PH 126 Honors Gen Ph W/Calculus II	

**Total Hours** **66**

Elective Course List	Hours
<b>Biological Science Elective Options:</b>	
BSC 300 Cell Biology	3
BSC 301 Cell Biology Laboratory	3
BSC 303 Field Zoology	3
BSC 310 Microbiology	3
BSC 311 Microbiology II	3
BSC 312 Microbiology Lab	2
BSC 313 Gen Bacteriology Lab	3
BSC 315 Genetics	3
BSC 320 Freshwater Studies	4
BSC 340 Principles of Nat. Res. Cons.	3
BSC 360 Plant Biology	4
BSC 371 Biology of Lower Plants	4
BSC 373 Vertebrate Zoology	4
BSC 380 Intro Stats Biology	3
BSC 386 General Ecology Lab	3
BSC 390 Honors Thesis Research <sup>A</sup>	1 to 8
BSC 391 Tutorial In Biol Science <sup>A</sup>	1-2
BSC 393 Biology Outreach <sup>A</sup>	2
BSC 396 Resident Study <sup>A</sup>	1-6
BSC 398 Undergraduate Research <sup>A</sup>	1-4
BSC 399 Presentation of UG Research <sup>A</sup>	2
BSC 400 Vertebrate Funct Morphol	4
BSC 403 Intro To Bsc Instruction <sup>A</sup>	2
BSC 404 Honors Bsc Instruction <sup>A</sup>	2
BSC 407 Honors Seminar In Bsc <sup>A</sup>	1
BSC 411 Phage Discovery Laboratory	3
BSC 412 Limnology	3
BSC 415 Wetland Ecology	3
BSC 416 Disease Ecology	3
BSC 417 Environmental Modeling	3
BSC 420 Principles Of Systematics	4
BSC 426 Computational Biology Lab	3



BSC 428	Biology Of Fishes	4
BSC 439	Bch/Molecular Biology Lab	3
BSC 441	Developmental Biology	3
BSC 442	Integrated Genomics	4
BSC 444	General Virology	3
BSC 445	Honors Endocrinology	3
BSC 448	Animal Behavior	3
BSC 449	Endocrinology	3
BSC 450	Fundamentals of Biochemistry	3
BSC 451	Molecular Biology	3
BSC 453	Biochemistry Lab	3
BSC 455	Chemical Ecology	3
BSC 456	Microbial Ecology	3
BSC 458	Drug Discovery Laboratory	3
BSC 464	Biology Of Algae	4
BSC 465	Prin Of Toxicology	3
BSC 467	Honors Data Man. Vis. in R	3
BSC 469	Histology Of Vertebrates	4
BSC 470	Prin Pop Genetics	3
BSC 471	Plant Physiology	3
BSC 472	Mycology	4
BSC 473	Bioinformatics	3
BSC 475	General Entomology	4
BSC 476	Aquatic Insects	4
BSC 477	Invertebrate Zoology	4
BSC 478	Microbiomes Health & Disease	3
BSC 480	Plant Ecology	3
BSC 481	Foundations in Advanced Biostatistics with Applications to R	3
BSC 482	Conservation Biology	3
BSC 483	Evolution	3
BSC 484	Aquatic Biology Seminar	1
BSC 487	Biogeography	3
BSC 488	Research Seminars in Biology	1
BSC 497	Special Topics	1-4

## Footnotes

- A The department offers a number of courses designed to enrich the learning experience of students beyond the traditional classroom setting. Only 4 credit hours of these courses can be applied to the marine science major or minor.
- An additional four hours may be applied toward the requirement for 120 hours for the degree. BSC 409 Pre-Health Apprenticeship I and BSC 410 Pre-Health Apprenticeship II are not applicable to the major in marine science.
- A maximum of 12 hours of 100-level biology courses (BSC 108 Intro Biology Non Maj I, BSC 109 Intro Biology Non Maj II, BSC 114 Principles Of Biology I, BSC 115 Laboratory Biology I, BSC 116 Principles Biology II, BSC 117 Laboratory Biology II, BSC 118 Honors General Biology I or BSC 120 Honors Gen Biology II) may be applied to degree requirements.
- Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College, and University requirements.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Required Minor

The marine science major does not require a minor.

## Prerequisites

Prerequisites for all BSC courses at the 300- and 400-level must be passed with a minimum grade of C-.

## Restrictions on Course Attempts

No undergraduate course offered by the Department of Biological Sciences may be attempted more than three times. Mid-semester withdrawal (any withdrawal that results in a final grade of W) is not considered an attempt. Students who, in three attempts, fail to pass a required course or fail to make a C- or better in a course that is a prerequisite for a required upper level course may no longer major in Marine Science.

## Marine Science, Minor

Department of Biological Sciences  
1324 Science and Engineering Complex  
bsc.ua.edu  
marinescience@as.ua.edu

## Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

During the summer semester, a large suite of marine science courses is offered at the Dauphin Island campus of the Alabama Marine Environmental Sciences Consortium.

Code and Title	Hours
<b>Minor Courses</b>	
Select a sequence in BSC or GEO of the following:	8
Sequence 1:	
BSC 114 Principles Of Biology I & BSC 115 and Laboratory Biology I or BSC 118 Honors General Biology I	
And	
BSC 116 Principles Biology II & BSC 117 and Laboratory Biology II or BSC 120 Honors Gen Biology II	
Sequence 2:	
GEO 101 The Dynamic Earth & GEO 102 and The Earth Through Time	
Sequence 3:	
GEO 101 The Dynamic Earth & GEO 105 and Sustainable Earth	
Select 14 hours of the following:	14
MS 304 Marine Geology	
MS 306 Marine Biology	
MS 408 Marine Invertebrate Zoology	
MS 419 Marine Ecology	
MS 433 Coastal Zone Management	
MS 448 Intro Oceanography	
MS 452 Marine Vertebrate Zoology	
MS 453 Marine Botany	
MS 497 Special Topics	
GEO 355 Invertebrate Paleontology	
GEO 367 Sedimentology/Stratigraphy	
<b>Total Hours</b>	<b>22</b>

## Grade Point Average

A 2.0 grade point average in the minor is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are not permitted to count the same required minor course toward completion of a major or second minor. Students may count required ancillary courses toward the requirements of another major. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Microbiology, BS

Students entering the microbiology program typically have interests in science, the environment, or the health professions. High school preparation should include a solid background in mathematics and introductory classes in biology and/or chemistry.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students may declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama. The department recommends that students declare a microbiology major as soon as possible.

## Special Opportunities

The Biological Sciences Honors Program is available to students majoring in either biology or microbiology after the completion of 16 hours of biological science courses with at least a 3.4 GPA overall and in BSC courses. Admission into the program is made through an application that is submitted to the undergraduate program coordinator. Requirements for the program include: four to eight hours of BSC 390 Honors Thesis Research, maintenance of a 3.4 GPA in BSC courses and overall, and submission and defense of an acceptable honors thesis. Additional details are available in the office of the Department of Biological Sciences.

## Accelerated Master's Program

The Department of Biological Sciences also participates in the Accelerated Master's Program, which allows highly motivated students to pursue closely integrated undergraduate and graduate programs that may lead to the simultaneous completion of requirements for both master's and bachelor's degrees. Students usually apply for admission prior to the junior or senior year. For more information about the Accelerated Master's Program visit [graduate.ua.edu](http://graduate.ua.edu) or consult The University of Alabama graduate catalog.

Students earning the bachelor of science in microbiology degree must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
Select one of the following:	4
BSC 114 Principles Of Biology I & BSC 115 and Laboratory Biology I BSC 118 Honors General Biology I	
Select one of the following:	4
BSC 116 Principles Biology II & BSC 117 and Laboratory Biology II BSC 120 Honors Gen Biology II	
BSC 300 Cell Biology	3
BSC 310 Microbiology	3
BSC 312 Microbiology Lab	2
BSC 311 Microbiology II	3
Credit Hours Subtotal:	19
<b>Electives</b>	

Select 18 hours of BSC electives 300 or 400 level	18
Credit Hours Subtotal:	18

**Ancillary Courses**

Grades in ancillary courses are not computed into the major GPA. The major in microbiology requires the successful completion of the following courses outside the major:

CH 100 or CH 101 or CH 117	General Chemistry I - Plus General Chemistry Honors General Chemistry	4 or 5
CH 102 or CH 118	General Chemistry Honors General Chemistry	4
CH 231	Elem Organic Chemistry I	3
CH 232 & CH 237	Elem Organic Chem II and Elem Organic Chem Lab	5
MATH 125 or MATH 145	Calculus I Honors Calculus I	4
Select one of the following:		4
PH 101	General Physics I	
PH 105	General Physics W/Calc I	
PH 125	Honors Gen Ph W/Calculus	
Select one of the following:		4
PH 102	General Physics II	
PH 106	General Physics W/Calc II	
PH 126	Honors Gen Ph W/Calculus II	
Credit Hours Subtotal:		28-29

**Additional Major Requirements<sup>1</sup>**

The department offers a number of courses designed to enrich the learning experience of students beyond the traditional classroom setting. These courses include:

BSC 390	Honors Thesis Research
BSC 391	Tutorial In Biol Science
BSC 398	Undergraduate Research
BSC 399	Presentation of UG Research
BSC 403	Intro To Bsc Instruction
BSC 404	Honors Bsc Instruction

**Total Hours** **65-66**

**Footnotes**

<sup>1</sup> Beyond specific restrictions listed for each course, a total of four hours from this group may be applied to the requirements of the biology major or minor. An additional four hours may be applied as electives to the requirement for 120 hours for the degree. BSC 409 Pre-Health Apprenticeship I and BSC 410 Pre-Health Apprenticeship II is not applicable to the major in biology.

A maximum of 12 hours of 100-level biology courses (BSC 108 Intro Biology Non Maj I, BSC 109 Intro Biology Non Maj II, BSC 114 Principles Of Biology I, BSC 115 Laboratory Biology I, BSC 116 Principles Biology II, BSC 117 Laboratory Biology II, BSC 118 Honors General Biology I or BSC 120 Honors Gen Biology II) may be applied to degree requirements.

**Electives**

Other BSC courses must be selected from the following:

Code and Title	Hours	
BSC 313	Gen Bacteriology Lab	3
BSC 380	Intro Stats Biology	3
BSC 390	Honors Thesis Research	1-8
BSC 391	Tutorial In Biol Science	1-2
BSC 396	Resident Study	1-6
BSC 398	Undergraduate Research	1-4
BSC 399	Presentation of UG Research	2
BSC 403	Intro To Bsc Instruction	2
BSC 404	Honors Bsc Instruction	2
BSC 407	Honors Seminar In Bsc	1
BSC 411	Phage Discovery Laboratory	3
BSC 416	Disease Ecology	3
BSC 426	Computational Biology Lab	3
BSC 431	Pathogenic Microbiology	3
BSC 435	Immunology	4
BSC 439	Bch/Molecular Biology Lab	3
BSC 442	Integrated Genomics	4
BSC 444	General Virology	3
BSC 450	Fundamentals of Biochemistry	3
BSC 451	Molecular Biology	3
BSC 453	Biochemistry Lab	3
BSC 456	Microbial Ecology	3
BSC 464	Biology Of Algae	4
BSC 467	Honors Data Man. Vis. in R	3
BSC 472	Mycology	4
BSC 473	Bioinformatics	3
BSC 478	Microbiomes Health & Disease	3
BSC 481	Foundations in Advanced Biostatistics with Applications to R	3
BSC 488	Research Seminars in Biology	1
BSC 497	Special Topics	1-4

These hours must include two laboratories to be selected from:

Code and Title	Hours	
BSC 313	Gen Bacteriology Lab	0 or 3
BSC 390 or BSC 398	Honors Thesis Research <sup>1</sup> Undergraduate Research	1-8
BSC 411	Phage Discovery Laboratory	3
BSC 426	Computational Biology Lab	3
BSC 439	Bch/Molecular Biology Lab	3
BSC 442	Integrated Genomics	4
BSC 453	Biochemistry Lab	3
BSC 464	Biology Of Algae	4
BSC 472	Mycology	4
BSC 478	Microbiomes Health & Disease	3

**Footnotes**

<sup>1</sup> The two laboratory courses may not be fulfilled by BSC 390 Honors Thesis Research AND BSC 398 Undergraduate Research.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

The microbiology major does not require a minor.

## Prerequisites

Prerequisites for all BSC courses at the 300- and 400-level must be passed with a minimum grade of C-.

## Restrictions on course attempts

No undergraduate course offered by the Department of Biological Sciences may be attempted more than three times. Mid-semester withdrawal (any withdrawal that results in a final grade of W) is not considered an attempt. Students who, in three attempts, fail to pass a required course or fail to make a C- or better in a Biology course that is a prerequisite for a required upper level course may no longer major in Microbiology.

A major in microbiology prepares students for a wide range of employment opportunities in clinical and public health fields, biotechnology, environmentally related fields, and industries concerning food, water quality, pharmaceuticals, and medical equipment and supplies.

## Types of Jobs Accepted

Recent graduates have worked in entry-level industrial jobs; clinical-medical laboratories; and local, state, or federal government agencies. Others have worked in non-laboratory jobs selling pharmaceuticals and laboratory supplies and equipment used in research facilities, hospitals, and public health areas. Some graduates go into a professional school (e.g., medicine, dentistry, veterinary medicine, pharmacy, optometry, and public health) and others to graduate school for the master's degree, Doctor of Philosophy (PhD), or Doctor of Science (ScD).

## Jobs of Experienced Alumni

Physician, pharmacist, optometrist, veterinarian, laboratory technician, teacher, professor, public health officer, pharmaceutical representative

Learn more about opportunities in this field at the Career Center

## Microbiology, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor courses</b>	
BSC 300 Cell Biology	3
BSC 310 Microbiology	3
BSC 311 Microbiology II	3
BSC 312 Microbiology Lab	2

BSC 313	Gen Bacteriology Lab	3
BSC 450	Fundamentals of Biochemistry	3
BSC 451	Molecular Biology	3
		Credit Hours Subtotal: 20

### Ancillary Courses

This minor does not specify ancillary courses, but prerequisites for required courses include the following (or permission of the instructor):

Select one of the following: 4

BSC 114 Principles Of Biology I  
& BSC 115 and Laboratory Biology I  
or

BSC 118 Honors General Biology I

Select one of the following: 4

BSC 116 Principles Biology II  
& BSC 117 and Laboratory Biology II  
or

BSC 120 Honors Gen Biology II

CH 232 Elem Organic Chem II 3

Credit Hours Subtotal: 11

**Total Hours 31**

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

Departmental limits on credit for enrichment courses apply to the requirements for the microbiology major and minor. Students are not permitted to count the same required minor courses toward completion of a major or second minor. Students may count required ancillary courses toward other requirements. A maximum of 12 hours of 100-level biology courses (BSC 108 Intro Biology Non Maj I, BSC 109 Intro Biology Non Maj II, BSC 114 Principles Of Biology I, BSC 115 Laboratory Biology I, BSC 116 Principles Biology II, BSC 117 Laboratory Biology II, BSC 118 Honors General Biology I or BSC 120 Honors Gen Biology II) may be applied to degree requirements. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Blount Scholars Program

- Minors
  - Blount Scholars Minor

### BUI100 Convocation

Hours 1

Experiences to extend and complement the Blount Scholars Program foundation courses. May be repeated once for credit.

**BUI101 Foundation I**

HU

Hours 3

Culture and nature are not merely the spaces we inhabit, they are the principal objects of human reflection and interpretation, or should be. This year-long course uses a survey of influential texts in philosophy, science, religion, political theory, and literature produced in the West over three millennia to provide students with an introductory practicum in the interpretation of culture and nature. Within this framework, more specific concepts to be explored will include the nature of society, the nature of the individual, the nature of government and justice as regulatory mechanisms between the two, the nature of power in its various forms, the concept of nature itself, and America as a social experiment in which these concepts are continually interpreted and reinterpreted.

Humanities

[VIEW ALL COURSES](#)

## Blount Scholars Minor

### Admission into the Minor

Only students admitted to the Blount Scholars Program can pursue the Blount Scholars Minor. Students should complete the Declaration of Minor form no later than the fourth semester of full-time enrollment.

The Blount Scholars Minor requires the successful completion of the following 20 semester hours. A maximum of three hours of Blount coursework may be applied toward another major or minor, reducing the number of hours required for the minor to 17.

Code and Title	Hours
<b>Minor Courses</b>	
BUI 100 Convocation (taken twice for one hour each)	2
<b>Foundation Courses</b>	
BUI 101 Foundation I	3
BUI 102 Foundation II	3
BUI 301 Thematic Seminar	3
BUI 301 Thematic Seminar	3
BUI 301 or Thematic Seminar	3
BUI 399 Blount Internship	3
BUI 401 Blount Capstone Worldviews	3
<b>Total Hours</b>	<b>20</b>

### Grade Point Average

A 2.0 grade point average in the minor is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation of grade point average calculations.

### Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus. Students must complete a total of 9 hours at the 300-level.

### Ancillary Courses

The Blount Scholars Minor does not require ancillary courses.

### Additional Minor Requirements

Students are responsible for ensuring that they have met all University, college, major and minor requirements. However, each student must meet

with an adviser in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, college and University requirements.

## Department of Chemistry and Biochemistry

The department of chemistry and biochemistry offers a major in chemistry culminating in a bachelor of science in chemistry (BCh) degree or a bachelor of science (BS) degree. The BCh degree is American Chemical Society-certified (ACS-certified) and consists of two tracks: chemistry and biochemistry. The BS degree with a major in chemistry is not ACS-certified and is designed primarily for students pursuing health professions. The department also offers a minor in chemistry.

- Majors
  - Chemistry, BCH (p. 446)
  - Chemistry, BS (p. 448)
- Minor
  - Chemistry (p. 449)

#### Chair

- Szulczewski, Gregory J.

#### Robert Ramsay Professors

- Dixon, David A.

#### Professors

- Blackstock, Silas C.
- Cassidy, Carolyn J.
- Gupta, Arunava
- Pan, Shanlin
- Papish, Elizabeth T.
- Shaughnessy, Kevin H.
- Vincent, John B.

#### Associate Professors

- Bakker, Martin G.
- Bonizzoni, Marco
- Dunkle, Jack
- Frantom, Patrick
- Pierce, Brad S.
- Rupar, Paul A.
- Snowden, Timothy S.
- Street, Shane C.
- Szulczewski, Gregory J.
- Woski, Stephen A.

#### Assistant Professors

- Allred, Jared
- Fedin, Igor
- Ghosh, Ayanjeet
- Thompson, Matthew

#### Renewable Contract Associate Professor

- Leung, Diana

**Renewable Contract Assistant Professor**

- DeSimone, Alice
- Liu, Yinghui

**CH101 General Chemistry**

N

Hours 4

Three lectures and one three-hour laboratory. Degree credit is not awarded for both CH 101 and CH 100 or for both CH 101 and CH 117. A survey of the fundamental facts, principles, and theories of general chemistry. Usually offered in the fall, spring, and summer semesters.

Prerequisite(s): UA Math Placement Test Score of 370-439 or ACT Math Subscore of 28 or old SAT Math Subscore of 630 or new SAT Math Subscore of 650

Prerequisite(s) with concurrency: MATH 112 or MATH 115 or MATH 125 or MATH 145 or MATH 126 or MATH 146 or MATH 227 or MATH 247

Natural Science

**CH102 General Chemistry**

N

Hours 4

Three lectures and one three-hour laboratory. Degree credit is not awarded for both CH 102 and CH 105 or both CH 102 and CH 118. Continuation of CH 100 or CH 101, with basic inorganic chemistry. Includes a systematic study of the elements and the structures, properties, and reactions of their compounds. Usually offered in the fall, spring, and summer semesters.

Prerequisite(s): (CH 100 or CH 101, or CH 117) and (MATH 112 or MATH 115 or MATH 125 or MATH 145 or MATH 126 or MATH 146 or MATH 227 or MATH 247 or UA Math Placement Test Score of 370-439 or ACT Math Subscore of 28 or old SAT Math Subscore of 630 or new SAT Math Subscore of 650)

Natural Science

View All Courses

**Faculty****Chair**

Szulczewski, Gregory J.

**Robert Ramsay Professors**

Dixon, David A.

**Professors**

Blackstock, Silas C.

Cassady, Carolyn J.

Gupta, Arunava

Pan, Shanlin

Papish, Elizabeth T.

Shaughnessy, Kevin H.

Vincent, John B.

**Associate Professors**

Bakker, Martin G.

Bonizzoni, Marco

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Frantom, Patrick

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Rupar, Paul A.

Snowden, Timothy S.

Street, Shane C.

Szulczewski, Gregory J.

Woski, Stephen A.

**Assistant Professors**

Allred, Jared

Fedin, Igor

Ghosh, Ayanjeet

Thompson, Matthew

**Renewable Contract Associate Professor**

Leung, Diana

**Renewable Contract Assistant Professor**

DeSimone, Alice

Liu, Yinghui

## Chemistry, BCH

Students pursuing a degree in chemistry typically have interests in science and/or the health professions. Chemistry graduates have strong credentials to pursue graduate degrees in chemistry or related fields, health professional programs, or careers in industry.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The Department of Chemistry and Biochemistry Honors Program is available to students pursuing either of the ACS-certified bachelor of science in chemistry tracks. To participate in the chemistry honors program, students must complete the course requirements for either track in the ACS-certified bachelor of science in chemistry degree:

- Maintain a 3.30 GPA in chemistry courses, with no more than one C, and a 3.0 cumulative GPA
- Complete one semester of CH 493 Honors Research Sem or CH 494 Honors Research Sem with a grade of B– or better
- Complete at least one semester of CH 396 Undergrad Research, CH 398 Undergrad Research, or CH 399 Undergrad Research
- Complete one semester of CH 497 Intro To Research, CH 498 Intro To Research, or CH 499 Intro To Research with a grade of B– or higher. This course should be taken with the same research mentor as the CH 396/398/399 course and would typically be taken in the final semester while writing the senior thesis
- Submit an acceptable senior thesis based on research conducted under the supervision of a faculty member in the Department of Chemistry & Biochemistry

Students are invited to apply for admission to the Chemistry Honors Program on the basis of performance in introductory chemistry courses.

Contact the Department of Chemistry & Biochemistry director of undergraduate studies for more details.

The department sponsors several student organizations, including the Student Affiliates of the American Chemical Society, the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, and Gamma Sigma Epsilon (the national chemistry honorary).

### Pre-health Professional Preparation

Students completing any of the chemistry degree options will have fulfilled all chemistry, math, and physics requirements for admission to pre-health professional programs (medical, dental, optometry, pharmacy, veterinary, etc., schools). With the addition of appropriate biological sciences electives, students earning the BCh degrees will have met all math and science requirements for pre-health professional programs.

### Undergraduate Research

The Department of Chemistry and Biochemistry offers two undergraduate research courses designed to provide students with a hands-on experience at the forefront of chemistry. These courses include:

Code and Title	Hours
CH 396 or Undergrad Research	2-6
CH 398 or Undergrad Research	
CH 399 Undergrad Research	
CH 497 or Intro To Research	2-6
CH 498 or Intro To Research	
CH 499 Intro To Research	

**Total Hours** 4-12

In each course, students work directly with a faculty member on a research project. Chemistry majors and minors and students with an interest in chemistry are encouraged to become involved in undergraduate research through these courses. Students should receive approval from the faculty mentor before registering for a research course. Students may find descriptions of faculty research interests on the Department of Chemistry website. Students may contact potential research mentors directly or seek advice on possible mentors from their academic advisors.

### Prerequisites

Prerequisites for all CH courses at the 300- and 400-level must be passed with a minimum grade of C-.

Students earning the bachelor of science in chemistry (BCh) degree must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements chosen from one of two tracks, and other sufficient credits to total a minimum of 120 applicable semester hours.

### Degree Tracks

The ACS-certified degree tracks in chemistry and biochemistry provide thorough preparation for students interested in pursuing careers in chemistry, biochemistry or related fields (e.g., biomedicine, forensics, toxicology and environmental science); pursuing graduate studies in chemistry or related fields; or enrolling in a health professions school (MD, DDS, PharmD or DVM) upon graduation.

### Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

### Upper-level Residency

A minimum of 18 hours of 300- and 400-level courses in the major must be earned on this campus.

### Required Minor

The BCH degree (chemistry and biochemistry tracks) does not require a minor.

### Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major, and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

### Major Courses

The bachelor of science in chemistry degree requires the successful completion of one of either the chemistry track (41 semester hours) or the biochemistry track (43 hours).

#### Chemistry Track

Code and Title	Hours
CH 101 or General Chemistry	4
CH 117 Honors General Chemistry	
CH 102 or General Chemistry	4
CH 118 Honors General Chemistry	
CH 223 Quantitative Analysis	4
CH 231 Elem Organic Chemistry I	3
CH 232 Elem Organic Chem II	5
& CH 237 and Elem Organic Chem Lab	
CH 338 Elem Organic Chem Lab II	2
CH 341 Physical Chemistry	3
CH 342 Physical Chemistry	3
CH 348 Physical Chemistry Lab	2
CH 413 Inorganic Chemistry	4
CH 424 Instrumental Analysis	4
CH 461 Biochemistry I	3
<b>Credit Hours Subtotal:</b>	<b>41</b>

#### Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in chemistry culminating in the BCh degree requires the successful completion of the following courses outside the major:

MATH 125 or Calculus I	4
MATH 145 Honors Calculus I	
MATH 126 or Calculus II	4
MATH 146 Honors Calculus II	
MATH 227 or Calculus III	4
MATH 247 Honors Calculus III	
PH 105 or General Physics W/Calc I	4

PH 125	Honors Gen Ph W/Calculus	
PH 106 or PH 126	General Physics W/Calc II Honors Gen Ph W/Calculus II	4

**Total Hours** 61

## Biochemistry Track

Code and Title	Hours	
CH 101 or CH 117	General Chemistry Honors General Chemistry	4
CH 102 or CH 118	General Chemistry Honors General Chemistry	4
CH 223	Quantitative Analysis	4
CH 231	Elem Organic Chemistry I	3
CH 232 & CH 237	Elem Organic Chem II and Elem Organic Chem Lab	5
CH 338	Elem Organic Chem Lab II	2
CH 341	Physical Chemistry	3
CH 342	Physical Chemistry	3
CH 348	Physical Chemistry Lab	2
CH 413	Inorganic Chemistry	4
CH 461	Biochemistry I	3
CH 462	Biochemistry II	3
CH 463	Biochem-Clin/Foren/Chem	3
Credit Hours Subtotal:		43

### Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in chemistry culminating in the BCh degree requires the successful completion of the following courses outside the major:

MATH 125 or MATH 145	Calculus I Honors Calculus I	4
MATH 126 or MATH 146	Calculus II Honors Calculus II	4
MATH 227 or MATH 247	Calculus III Honors Calculus III	4
PH 105 or PH 125	General Physics W/Calc I Honors Gen Ph W/Calculus	4
PH 106 or PH 126	General Physics W/Calc II Honors Gen Ph W/Calculus II	4

**Total Hours** 63

The BCh degree prepares students for a wide range of career opportunities in chemistry and biochemistry, as well as related sciences (toxicology, forensics, environmental science). The BCh degree also prepares students for careers in medical fields.

## Types of Jobs Accepted

Recent graduates have gone on to enroll in graduate programs in chemistry, biochemistry, or related fields of science. These students often pursue careers in academia (high school and college teachers) or as researchers in the chemical industry or government labs. Chemistry graduates also enroll in health professional programs leading to careers as doctors, pharmacists, dentists, and veterinarians. Chemistry graduates also take jobs directly after graduating working in the chemical industry as technicians or quality control scientists, as high school teachers, or in related fields where they can use their chemistry

background, such as pharmaceutical sales, patent law, or technical writing.

## Jobs of Experienced Alumni

academic careers, physicians, dentists, pharmacists, industrial researchers, entrepreneurs

Learn more about opportunities in this field at the Career Center

## Chemistry, BS

Students pursuing a degree in chemistry typically have interests in science and/or the health professions. The chemistry BS degree is suitable for students who are primarily interested in attending a health professional school upon graduation.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

Students pursuing this track may participate in Student Affiliates of the American Chemical Society, the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers, and Gamma Sigma Epsilon, as well as the pre-medical organizations.

## Pre-health Professional Preparation

Students completing chemistry BS degree will have fulfilled all chemistry, biology, math, and physics requirements for admission to pre-health professional programs (medical, dental, optometry, pharmacy, veterinary, etc., schools).

## Undergraduate Research

The Department of Chemistry and Biochemistry offers two undergraduate research courses designed to provide students with a hands-on experience at the forefront of chemistry. These courses include:

Code and Title	Hours	
CH 396 or CH 398 or CH 399	Undergrad Research Undergrad Research Undergrad Research	2-6
CH 497 or CH 498 or CH 499	Intro To Research Intro To Research Intro To Research	2-6

**Total Hours** 4-12

In each course, students work directly with a faculty member on a research project. Chemistry majors and minors and students with an interest in chemistry are encouraged to become involved in undergraduate research through these courses. Students should receive approval from the faculty mentor before registering for a research course. Students may find descriptions of faculty research interests on the Department of Chemistry website. Students may contact potential research mentors directly or seek advice on possible mentors from their academic advisors.

Students earning the bachelor of science (BS) degree with a major in chemistry must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and



other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours	
<b>Major Courses</b>		
CH 101 or CH 117	General Chemistry Honors General Chemistry	4
CH 102 or CH 118	General Chemistry Honors General Chemistry	4
CH 223	Quantitative Analysis	4
CH 231	Elem Organic Chemistry I	3
CH 232 & CH 237	Elem Organic Chem II and Elem Organic Chem Lab	5
CH 338	Elem Organic Chem Lab II	2
CH 340 & CH 343	Elem Physical Chem and Elem Phy Chem Lab	4
CH 461	Biochemistry I	3
CH 462	Biochemistry II	3
CH 463	Biochem-Clin/Foren/Chem	3
Credit Hours Subtotal:		35

#### Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in chemistry culminating in the BS degree requires the successful completion of the following courses outside the major:

Select one of the following:	4	
BSC 114 Principles Of Biology I & BSC 115 and Laboratory Biology I		
BSC 118 Honors General Biology I		
Select one of the following:	4	
BSC 116 Principles Biology II & BSC 117 and Laboratory Biology II		
BSC 120 Honors Gen Biology II		
Select one of the following:	4	
MATH 125 Calculus I		
MATH 145 Honors Calculus I		
Select one of the following:	4	
PH 101 General Physics I		
PH 105 General Physics W/Calc I		
PH 125 Honors Gen Ph W/Calculus		
Select one of the following:	4	
PH 102 General Physics II		
PH 106 General Physics W/Calc II		
PH 126 Honors Gen Ph W/Calculus II		
Credit Hours Subtotal:		20

**Total Hours** 55

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

The major in chemistry (BS) degree requires a minor.

## Prerequisites

Prerequisites for all CH courses at the 300- and 400-level must be passed with a minimum grade of C-.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

The BS in chemistry degree prepares students for a wide range of career opportunities in chemistry and biochemistry, as well as related sciences (toxicology, forensics, environmental science) and for admission to health professional programs in fields such as medicine, dentistry, pharmacy, and veterinary science.

## Types of Jobs Accepted

Recent graduates have gone on to enroll in health professional programs leading to careers as doctors, pharmacists, dentists, and veterinarians, or in graduate programs in chemistry or related fields. Chemistry graduates also take jobs directly after graduating in the chemical industry as technicians or quality control scientists, as high school teachers, or in related fields where they can use their chemistry background, such as pharmaceutical sales, patent law, or technical writing.

## Jobs of Experienced Alumni

Academic careers, Physicians, Dentists, Pharmacists, Industrial researchers, Entrepreneurs.

Learn more about opportunities in this field at the Career Center

## Chemistry, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours	
<b>Minor Courses</b>		
CH 101 or CH 117	General Chemistry Honors General Chemistry	4
CH 102 or CH 118	General Chemistry Honors General Chemistry	4
CH 223	Quantitative Analysis	4
CH 231	Elem Organic Chemistry I	3
CH 232 & CH 237	Elem Organic Chem II and Elem Organic Chem Lab	5
CH 340 & CH 343	Elem Physical Chem and Elem Phy Chem Lab	4
Credit Hours Subtotal:		24

#### Ancillary Courses

Grades in ancillary courses are not computed into the minor GPA. The minor in chemistry requires the successful completion of the following courses outside the minor:

Select one of the following:	4
PH 101 General Physics I	
PH 105 General Physics W/Calc I	
PH 125 Honors Gen Ph W/Calculus	
Select one of the following:	4
PH 102 General Physics II	
PH 106 General Physics W/Calc II	
PH 126 Honors Gen Ph W/Calculus II	
Credit Hours Subtotal:	8

**Total Hours** 32

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Point Average (GPA) section of this catalog for an explanation of grade point average calculations.

## Prerequisites

Prerequisites for all CH courses at the 300- and 400-level must be passed with a minimum grade of C-.

## Upper-level Residency

A minimum of six hours in the minor must be earned on this campus, including four hours in 300- and 400-level chemistry courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Department of Communicative Disorders

The Department of Communicative Disorders offers a bachelor of arts (BA) degree and a minor in Communicative Disorders (speech-language pathology). Students majoring in Communicative Disorders are expected to matriculate to graduate study in speech-language pathology or audiology.

- Major
  - Communicative Disorders, BA (p. 450)
- Minor
  - Communicative Disorders (p. 452)

### Chair and Assistant Professor

- Barber, Angela

### Distinguished Graduate Research Professor

- Formby, C. Craig

### Assistant Professors

- Buhr, Anthony
- Gosa, Memorie

### CD102 Communicative Disorders First-Year Overview SB

Hours 3

To learn skills and techniques helpful as they continue on in the college career. Through experiential learning and guest speakers students will learn many things about the field.

Social and Behavioral Sciences

### CD103 Communicative Disorders First-Year Overview Honors SB, UH

Hours 3

To learn skills and techniques helpful as they continue on in the college career. Through experiential learning and guest speakers students will learn many things about the field.

Social and Behavioral Sciences, University Honors

[View All Courses](#)

## Faculty

### Chair and Assistant Professor

Barber, Angela

### Distinguished Graduate Research Professor

Formby, C. Craig

### Assistant Professors

Buhr, Anthony

Gosa, Memorie

## Communicative Disorders, BA

Communicative Disorders students typically enjoy working with people and their families and are highly motivated to explore communication problems in depth. These individuals display excellent communication and interpersonal skills. They are highly motivated to complete the training necessary to become licensed professionals. They are creative problem solvers, sensitive to the needs of others, deal with multiple demands, pay close attention to detail, and work effectively in a team environment.

## Admission into the Major

Students must have sophomore standing to enroll in any CD course. Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students who would like to declare Communicative Disorders as their major should contact the department.

## Grade Point Average

A 2.0 GPA in the major is required for completion of the degree. Please see the Office of University Registrar explanation of grade point average calculations. A minimum of a 3.3 GPA overall and a 3.0 GPA in required CD courses must be obtained for clinical practicum opportunities. See the Admission to Clinical Practicum section below.

## Prerequisites

Sophomore standing is required to enroll in any CD course. Completion of all 200-level CD courses (with the exception of CD 277 Preprofessional Lab Experience) is required for enrollment in 300- and 400-level CD courses. CD 447 Clinical Practicum I and CD 445 Audiology Lab Experience are by application only. Permission of the instructor is also

required prior to enrollment in any CD 350 Independent Study or CD 360 Honors Independent Study course.

## Special Opportunities

The Department of Communicative Disorders provides students an opportunity to participate in research with a departmental faculty member. Students are also encouraged to become active in the local and national chapters of the National Student Speech-Language-Hearing Association. Junior- and senior-level scholarship awards are available for students majoring in Communicative Disorders. For eligible students, the department also offers clinical practicums for hands-on experience in speech-language pathology and audiology. Our department has an ambassador program that upper level CD students may apply for.

Students earning the bachelor of arts degree (BA) with a major in communicative disorders must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
CD 225 Intro Comm Disorders	3
CD 244 Phonetics	3
CD 275 Anat Physio Sech Hear Mechansm	3
CD 277 Preprofess Lab Experienc	1
CD 305 Language Development	3
CD 310 Acoustics of Speech	3
CD 351 Hearing Science	3
CD 352 Neuro for CD	3
CD 420 Pediatric Disorders	3
CD 422 Neurological Disorders	3
CD 443 Basic Audiology	3
CD 444 Aural Rehabilitation	3
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the major GPA. The major in communicative disorders requires the successful completion of the following courses outside the major. Many of these courses can be used to satisfy general education requirements. Science courses must include a lab.	
PY 101 Intro To Psychology	3
Select one of the following biological science courses:	4
BSC 108 Intro Biology Non Maj I	
BSC 109 Intro Biology Non Maj II	
BSC 114 Principles Of Biology I	
BSC 115 Laboratory Biology I	
BSC 116 Principles Biology II	
BSC 117 Laboratory Biology II	
BSC 118 Honors General Biology I	
BSC 120 Honors Gen Biology II	
Select one of the following physical science courses:	4
CH 100 General Chemistry I - Plus	
CH 101 General Chemistry	
CH 102 General Chemistry	
CH 104 Introductory Chemistry	
CH 105 Introductory Org Chem	

CH 117	Honors General Chemistry	
CH 118	Honors General Chemistry	
PH 101	General Physics I	
PH 102	General Physics II	
PH 105	General Physics W/Calc I	
PH 106	General Physics W/Calc II	
PH 115	Descriptive Physics for Non-Science Major	
PH 125	Honors Gen Ph W/Calculus	
PH 126	Honors Gen Ph W/Calculus II	
Select one of the following statistics courses:		3
BER 345	Educational Statistics	
PY 211	Elem Statistical Methods	
ST 260	Statistical Data Analysis	
CJ 381	Statistics	
	Credit Hours Subtotal:	48
<b>Total Hours</b>		<b>48</b>

## Electives

Students may choose to take elective CD courses:

Code and Title	Hours
CD 102 CD First-Year Overview	3
CD 103 CD First-Year Overview Honors	3
CD 350 Independent Study	1-3
CD 360 Honors Independent Study	1 to 3
CD 402 Psychology of Language	3
CD 425 Applied Research in CD	3
CD 445 Audiology Lab Experience	1-3
CD 447 Clinical Practicum I	3
CD 457 Clinical Practicum Honors	3
CD 449 Sociolinguistics in SLP	3

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

Students are advised that the communicative disorders major is considered to be pre-professional. A master's degree or the equivalent is necessary for membership in and certification by the national professional organizations and for licensure by the state of Alabama and most other states. The Department of Communicative Disorders offers a program leading to the master of science degree in speech-language pathology (see UA graduate catalog).

Students are responsible for ensuring that they have met all requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

Students majoring in communicative disorders who wish to participate in clinical practicum or audiology practicum must apply for admission into

CD 447 Clinical Practicum I, CD 457 Clinical Practicum Honors or CD 445 Audiology Lab Experience.

## Admission into Clinical Practicum

Admission requirements include the following:

- minimum cumulative GPA of 3.3
- completion and minimum 3.0 GPA in all of the following:

Code and Title	Hours
CD 225 Intro Comm Disorders	3
CD 244 Phonetics	3
CD 275 Anat Physio Sech Hear Mechansm	3
CD 277 Preprofess Lab Experienc	1
CD 305 Language Development	3
CD 420 Pediatric Disorders	3

- The electronic application is on our department website <http://cd.ua.edu/>

## Types of Jobs Accepted

The undergraduate program is not the terminal degree for either the speech-language pathology or audiology professions. Our recent graduate students have accepted positions in local and national schools, hospitals, and skilled-nursing facilities.

Learn more about opportunities in this field at the Career Center

## Faculty

### Chair

Dr. Memorie Gosa

### Clinic Director

Dr. JoAnne Payne

### Coordinator, Audiological Services

Dr. Christy Albea

### Full Professor

Dr. Marcia Hay-McCutcheon

### Associate professors

Dr. Angela Barber

Dr. Anthony Buhr

Dr. Memorie Gosa

Dr. Evie Malaia

### Assistant professors

Dr. Luca Campanelli

Dr. Spyridoula Cheimariou

Dr. Paul Reed

Dr. Hyunjoo Yoo

### Instructor

Dr. Laura Moss

### Clinical Educators

Mrs. Jennifer Baggett

Mrs. Mary Bryan

Mrs. Candace Cook

Mrs. Kayce Hinton

Mrs. Amanda Mennen

Mrs. Mary Ray-Allen

Mrs. Sara Shirley

Mrs. DeLaine Stricklin

### Audiologist

Dr. Emma Brothers

### Graduate Research Professor Emeritus

Dr. Charles Formby

## Communicative Disorders, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
CD 225 Intro Comm Disorders	3
CD 275 Anat Physio Sech Hear Mechansm	3
CD 305 Language Development	3
CD 351 Hearing Science	3
CD 420 Pediatric Disorders	3
CD 422 Neurological Disorders	3
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points section of this catalog for an explanation on grade point average calculations. Minor GPA standards are required for continuance in the minor.

## Prerequisites

Sophomore standing is required to enroll in any CD course. Completion of all 200-level CD courses (with the exception of CD 277 Preprofess Lab Experienc) are required for enrollment in 300- and 400-level CD courses.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with all College and University degree requirements.

# Department of Criminology & Criminal Justice

The Department of Criminal Justice offers a Bachelor of Arts (BA) degree in criminal justice and minors in criminal justice, cyber criminology, and sociology.

- Major
  - Criminology & Criminal Justice, BA (p. 453)
- Minors
  - Criminal Justice (p. 454)
  - Cyber Criminology (p. 454)
  - Sociology (p. 455)

## Professors

- Reid, Lesley Departmental Chair
- Johnson, Ida
- Lanier, Mark M.
- Litchenstein, Bronwen

## Associate Professors

- Lankford, Adam
- Prohaska, Ariane
- Williams, Jimmy J.

## Assistant Professors

- Clipper, Stephen
- Dolliver, Diana
- Dolliver, Matthew
- Ghazi-Tehrani, Adam
- Kenney, Jennifer
- Wakeham, Josh

## Instructors

- Bryant, Chenoia
- Guidry, Tiffiny
- Klutz, Douglas
- Olin, Lin

## CJ100 Intro Criminal Justice

SB

Hours 3

An overview of the criminal justice system with emphasis on the roles and problems of law enforcement, courts, and correctional components. CJ 100 is a prerequisite for all 300- and 400-level criminal justice courses.

Social and Behavioral Sciences

## SOC101 Intro To Sociology

SB

Hours 3

Introduction to the scientific study of human social behavior.

Social and Behavioral Sciences

[VIEW ALL COURSES](#)

## Faculty

### Professors

Reid, Lesley Departmental Chair

Johnson, Ida

Lanier, Mark M.

Litchenstein, Bronwen

### Associate Professors

Lankford, Adam

Prohaska, Ariane

Williams, Jimmy J.

### Assistant Professors

Clipper, Stephen

Dolliver, Diana

Dolliver, Matthew

Ghazi-Tehrani, Adam

Kenney, Jennifer

Wakeham, Josh

### Instructors

Bryant, Chenoia

Guidry, Tiffiny

Klutz, Douglas

Olin, Lin

## Criminology & Criminal Justice, BA

The Bachelor of Arts (BA) in Criminology & Criminal Justice is particularly suited for students with an interest in computer fraud investigation, crime scene analysis, criminal investigation, studies in deviance, law and social control strategies, terrorism, or who have a general broad-based academic interest in crime and deviance studies.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

Students earning the Bachelor of Arts (BA) degree with a major in Criminology & Criminal justice must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

The major in Criminology & Criminal Justice requires the successful completion of the following 36 semester hours (minimum grade of C-):

Code and Title	Hours
<b>Major Courses</b>	
CJ 100 Intro Criminal Justice	3
CJ 280 Research Methods	3
CJ 300 Survey Criminal Theories	3
CJ 381 Statistics	3
Credit Hours Subtotal:	12
<b>Electives</b>	
CJ electives <sup>1</sup>	18
400 level electives	6

Credit Hours Subtotal:	24
<b>Total Hours</b>	<b>36</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Ancillary Courses

The Criminology & Criminal Justice major does not require ancillary courses; however the formal declaration of the criminal justice major is required prior to enrolling in any 300-400 level courses.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

A grade of C- or higher is required in all criminal justice courses. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with all College and University degree requirements.

## Types of Jobs Accepted

Criminal justice is a field that offers many employment opportunities, stable employment, and often exciting jobs. Recent graduates work for Homeland Security, the Secret Service, Probation and Parole, and many other state and federal agencies. Other have successfully completed law school and now work as attorneys. Other graduates work as drug rehabilitation specialists and as offender/victim advocates. Other recent graduates have been awarded paid assistantships to pursue advanced degrees.

## Jobs of Experienced Alumni

We have alumni who are police chiefs and attorneys, and who work in supervisory roles in both state and federal corrections and law enforcement agencies. Many of our undergraduates go on to attend graduate programs and some have earned doctorates and now work as professors.

Learn more about opportunities in this field at the Career Center

## Criminal Justice, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

### Special Opportunities

The Department of Criminal Justice has two very active student organizations. Alpha Phi Sigma is the National Criminal Justice Honor Society and is devoted to promoting academic excellence, leadership, and self-enrichment through academic standards and community outreach.

The Criminal Justice Student Association welcomes all students with interest in the field of criminal justice.

Code and Title	Hours
<b>Minor Courses</b>	
CJ 100 Intro Criminal Justice	3
Credit Hours Subtotal:	
3	
<b>Electives</b>	
CJ electives 300 or 400 level <sup>1</sup>	6
CJ electives <sup>1</sup>	9
Credit Hours Subtotal:	
15	
<b>Total Hours</b>	<b>18</b>

#### Footnotes

<sup>1</sup> A maximum of 6 hours of CJ 395 Internship and 3 hours of CJ 499 Independent Study In CJ will count as CJ electives.

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses; however the formal declaration of the Criminal Justice minor is required prior to enrolling in any 300-400 level courses.

## Additional Minor Requirements

A grade of C- or higher is required in all criminal justice courses. A maximum of 6 hours of CJ 395 Internship

## Cyber Criminology, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

### Special Opportunities

Cyber Criminology minors are encouraged to participate in the Cyber Crime Club, a very active student organization that aims to educate students on cybercrime and cyberforensic techniques, as well as provide information on career and graduate school options within the field of cybercrime.

Code and Title	Hours
<b>Minor Courses</b>	
CC 201 Cyber Criminology	3
CC 301 Cyber Law and Policy (Offered Spring Only)	3
CC 401 Law Enforcement Digital Age (Offered Fall Only)	3
CS 202 Web Foundations	3
Credit Hours Subtotal:	
12	
<b>Electives</b>	
Select six hours of the following:	6

AC 334	Intro to Fraud Risk Management
CC 290	Special Topics in Cyber Crime
CC 395	Internship
CC 402	Digital Forensic Investigation
CC 490	Special Topics in CC
CC 499	Ind. Study- Cyber Criminology
CJ 300	Survey Criminal Theories
CS 340	Legal & Ethical Issues in Comp
PY 368	Intro To Personality
MIS 460	Applied Cyber Security

**Total Hours** 18

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Prerequisites

CC 201 is a prerequisite for all CC upper-level courses.

## Sociology, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
SOC 101 Intro To Sociology	3
SOC 302 Sociological Theory	3
Credit Hours Subtotal:	6
<b>Electives</b>	
SOC electives 300 or 400 level	6
SOC electives	6
Credit Hours Subtotal:	12
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with all College and University degree requirements.

## Prerequisites

Unless otherwise stated, the prerequisite for all 300- and 400-level SOC courses is SOC 101 Intro To Sociology.

## Department of English

The Department of English offers a Bachelor of Arts (BA) degree in English and minors in English and creative writing. It also sponsors an honors program in English.

- Major
  - English, BA (p. 457)
- Minors
  - Creative Writing (p. 456)
  - Digital, Public, and Professional Writing (p. 456)
  - English (p. 459)
  - Interdisciplinary Linguistics (p. 459)
  - World Literature (p. 460)

### Chair

- Steven Trout

### Director of Undergraduate Studies

- David Deutsch

### Director of Undergraduate Creative Writing

- Robin Behn

### EN101 English Composition

FC

Hours 3

Introduction to rhetorical strategies, critical reading and thinking skills, composing processes, sentence-level conventions, and reflection skills needed to participate successfully in the University of Alabama discourse community. Intended for native speakers of English. Grades are reported as A, B, C, or NC (No Credit). A grade of C- or higher is required as a prerequisite for advancing to another English course at The University of Alabama. Offered each semester and in summer school. EN 101 does not apply as credit to the English major or minor.

Freshmen Composition

**EN102 English Composition**

FC

Hours 3

Continuation of students' practice in rhetorical strategies, critical reading and thinking skills, composing processes, sentence-level conventions, and reflection skills. The course also emphasizes university-level research and source usage techniques. Intended for native speakers of English. Grades are reported as A, B, C, or NC (No Credit). A grade of C- or higher is required as a prerequisite for advancing to another English course at The University of Alabama. Offered each semester and in summer school. EN 102 does not apply as credit to the English major or minor. Prerequisite(s): EN 101.

Prerequisite(s): EN 101

Freshmen Composition

[View All Courses](#)**Faculty****Chair**

Steven Trout

**Director of Undergraduate Studies**

David Deutsch

**Director of Undergraduate Creative Writing**

Robin Behn

**Creative Writing, Minor****Admission into the Minor**

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
EN 200 Intro Creative Writing	3
EN 408 Advanced Creative Writing (Must be taken twice for 6 hours)	6
<b>Select 12 hours of upper-division Creative Writing Electives</b>	<b>12</b>
EN 301 Fiction Writing	
EN 303 Poetry Writing	
EN 305 Creative Nonfiction Writing	
EN 307 or Special Topics in Applied CW	
EN 313 Writing Across Media or	
EN 317 Writing Center Practicum	
(Only 3 credit hours will count between EN 307, EN 313, or EN 317)	
EN 308 Forms Of Creative Writing	
<b>Total Hours</b>	<b>21</b>

**Grade Point Average**

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation of grade point average calculations.

**Upper-level Residency**

A minimum of 12 hours of 300- and 400-level courses in the minor must be earned on this campus.

**Additional Minor Requirements**

Students are responsible for ensuring that they have met all University, College, major, and minor requirements. However, each student must meet with an advisor in the major department for academic planning and to be approved for registration each semester. College advisors are also available for additional assistance with minor, College, and University requirements. Additional questions should be addressed to the Director of Undergraduate Creative Writing.

**Digital, Public, and Professional Writing, Minor**

The minor will emphasize writing skills ranging from technical writing, understanding semantics and linguistics, social writing, rhetorical persuasion, non-fiction creative writing, and digital and/or online writing.

Students who complete this minor will have honed the skills necessary for writing for professional audiences and a general public.

The minor cannot be taken by students who pursue a professional writing concentration in English and courses used for the minor cannot count towards both the minor and a general English major.

Code and Title	Hours
<b>Required Courses</b>	<b>3</b>
Select One:	
EN 200 Intro Creative Writing	
EN 201 How English Works	
<b>Required Literature Survey Courses</b>	<b>6</b>
Select Two:	
EN 205 English Literature I	
EN 206 English Literature II	
EN 207 World Literature I	
EN 208 World Literature II	
EN 209 American Literature	
EN 210 American Literature II	
EN 215 Honors English Literature I	
EN 216 Honors English Literature II	
EN 217 Honors World Literature 1	
EN 218 Honors World Literature II	
EN 219 Honors American Literature	
EN 220 Honors American Literature II	
EN 249 African American Literature I	
EN 250 African American Literature II	
EN 251 Honors African American Lit I	
EN 252 Honors African American Lit II	
<b>Required Electives</b>	<b>12</b>
Select Four:	
EN 305 Creative Nonfiction Writing	
EN 307 Special Topics in Applied CW	
EN 309 Advanced Expository Writing	
EN 310 Special Topics Writing	
EN 313 Writing Across Media	



EN 317	Writing Center Practicum
EN 319	Technical Writing
EN 320	Intro To Linguistics
EN 321	Linguis Approach English Gramr
EN 408	Advanced Creative Writing
EN 423	History of the Eng Lang
EN 430	English Internship
EN 432	Composition-Rhetoric
EN 455	Advanced Studies In Writing

**Total Hours** **21**

The Digital, Public, and Professional Writing Minor requires a minimum of 21 credit hours. Only one EN 408 Advanced Creative Writing will count towards the minor, although applicable EN 408s with non-fiction public or digital writing will be considered. While this is not an interdisciplinary minor we are happy to consider relevant courses from other departments, please contact the English DUS for approval. At least 6 credits applied to the minor must be 300-400 level courses and taken on campus. A 2.0 grade point average in the minor is required.

## English, BA

English majors are expected to develop critical thinking skills that manifest themselves abundantly in advanced reading and writing. They are expected to learn how to identify original ideas and then to develop them into a piece of effective writing. Such interests and skills should have wide applicability in the professional world outside of the University.

## Admission into the Major

Students may declare a major in English online under the Student tab of myBama. Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students).

## Special Opportunities

Special opportunities available in the Department of English include a senior honors thesis option, the Sigma Tau Delta honors society, internships in legal and publishing arenas and with other professional organizations, the undergraduate Writers Guild, and the English Majors and Minors Association. The department also offers a concentration and a minor in Digital, Public, and Professional Writing. Contact the department for more information.

## Senior Honors Thesis Option

The English Department offers students an independent thesis option in all four of its subfields: literary studies, linguistics, rhetoric and composition, and creative writing. Students with an interest in research and research-based writing and who have completed EN 396 with a minimum grade of a B can apply to enroll in EN 499. Students who complete EN 499 with a grade of an A or A- and who meet GPA standards will be awarded departmental honors for their research-based thesis. Students who wish to write a creative thesis and be eligible through this path for departmental honors should apply to enroll in EN 398 and EN 498, respectively. Students should see the English Department website or contact the Director of Undergraduate Studies or the Director of Undergraduate Creative Writing for additional information.

## Sigma Tau Delta

Sigma Tau Delta, an international English honor society, aims to promote a mastery of written expression, to encourage worthwhile reading, and

to foster a spirit of fellowship among its members. Students pursuing a major in English or English education, or pursuing a minor in English or creative writing and who have at least a 3.33 GPA for 12 hours of English and at least 3.0 cumulative GPA are eligible to apply. The society, along with the department, annually makes an award to the English major with the highest overall GPA.

Students earning the bachelor of arts (BA) degree with a major in English must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
Select three of the following 200 level courses: <sup>1</sup>	9
EN 200	Intro Creative Writing
EN 201	How English Works
EN 205 or	English Literature I
EN 215	Honors English Literature I
EN 206 or	English Literature II
EN 216	Honors English Literature II
EN 207 or	World Literature I
EN 217	Honors World Literature I
EN 208 or	World Literature II
EN 218	Honors World Literature II
EN 209 or	American Literature
EN 219	Honors American Literature
EN 210 or	American Literature II
EN 220	Honors American Literature II
EN 249 or	African American Literature I
EN 251	Honors African American Lit I
EN 250 or	African American Literature II
EN 252	Honors African American Lit II
Select one of the following pre-1700 courses:	3
EN 330	Chaucer And Medieval Literatur
EN 332	Sixteenth Century Literature
EN 333	Shakespeare
EN 334	Seventeenth Century Literature
EN 335	Milton
Select one of the following 1700-1900 courses:	3
EN 340	American Literature To 1900
EN 343	British Fiction To 1900
EN 344	Major Authors 1660-1900
EN 347	English Lit During Enlightenmt
EN 348	Romantic Literature
EN 349	Victorian Literature
Select one of the following Rhetoric and Composition, Linguistics, Methodology, or Writing courses:	3
EN 300	Intro To English Studies
EN 301	Fiction Writing
EN 303	Poetry Writing
EN 305	Creative Nonfiction Writing
EN 307	Special Topics in Applied CW

EN 308	Forms Of Creative Writing	
EN 309	Advanced Expository Writing	
EN 310	Special Topics Writing	
EN 313	Writing Across Media	
EN 317	Writing Center Practicum	
EN 319	Technical Writing	
EN 320	Intro To Linguistics	
EN 321	Linguis Approach English Gramr	
		Credit Hours Subtotal: 18
<b>Electives</b> <sup>2</sup>		
Select four EN elective courses at the 400 level		12
Select two EN elective courses at the 300 or 400 level		6
		Credit Hours Subtotal: 18
<b>Total Hours</b>		<b>36</b>

**Footnotes**

<sup>1</sup> At least two (2) of the three (3) required 200 level EN courses must be from EN 205 English Literature I (or EN 215 Honors English Literature I), EN 206 English Literature II (or EN 216 Honors English Literature II), EN 207 World Literature I, EN 208 World Literature II, EN 209 American Literature (or EN 219 Honors American Literature), EN 210 American Literature II (or EN 220 Honors American Literature II), EN 249 African American Literature I, EN 250 African American Literature II.

- <sup>2</sup>
- No course may be taken for elective credit more than twice.
  - No more than 3 of the 18 elective hours may be fulfilled by EN 301 Fiction Writing or EN 303 Poetry Writing or EN 305 Creative Nonfiction Writing or EN 307 Special Topics in Applied CW or EN 308 Forms of Creative Writing.
  - No more than 3 of the 18 elective hours may be fulfilled by EN 408 Advanced Creative Writing.
  - A section of EN 301 Fiction Writing or EN 303 Poetry Writing or EN 305 Creative Nonfiction Writing or EN 307 Special Topics in Applied CW or EN 308 Forms of Creative Writing or EN 313 or EN 317 Writing Center Practicum or EN 408 Advanced Creative Writing used as credit toward the English Major cannot also count toward the Creative Writing Minor.
  - See the Department's web site for suggested paths to guide you through the English major.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. The major GPA is calculated based on all courses applicable to the major that the student has attempted at UA. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation of grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

EN 430 English Internship is not applicable to the major in English. Students are responsible for ensuring that they have met all University and College major and minor requirements. However, each student must meet with an advisor in the major department for academic planning and to be cleared for registration each semester. College advisers are

also available for additional assistance with College and University minor requirements.

## Digital, Public, and Professional Writing Concentration

**University Requirements:** 120 Hours; 30 hours in residence.

**College Requirements:** 90 hours in A&S; also required, 36 hours of Upper Level (300-/ 400-level).

**Departmental Requirements:** 36 Hours in the Major, as described below. A Minor is required unless the student is a Double-Major.

Code and Title	Hours
<b>Select 6 hours:</b>	<b>6</b>
<b>Rhetoric and Composition</b>	
EN 309	Advanced Expository Writing
EN 310	Special Topics Writing
EN 313	Writing Across Media
EN 317	Writing Center Practicum
EN 319	Technical Writing
<b>Linguistics (unless being used toward a Linguistics Minor)</b>	
EN 320	Intro To Linguistics
EN 321	Linguis Approach English Gramr
<b>Methodology</b>	
EN 300	Intro To English Studies
<b>Creative Writing (unless being used toward a Creative Writing Minor)</b>	
EN 305	Creative Nonfiction Writing
EN 307	Special Topics in Applied CW
<b>Select 12 hours of 400 level elective courses:</b>	
EN 423	History of the Eng Lang
EN 408	Advanced Creative Writing <sup>1</sup>
EN 455	Advanced Studies In Writing
EN 432	Composition-Rhetoric

**Footnotes**

<sup>1</sup> Only 1 EN 408 Advanced Creative Writing will apply to the concentration, although exceptions will be considered for additional EN 408 Advanced Creative Writing courses pertaining to non-fiction, non-poetry, public or digital writing; no more than 6 hours may be filled by the same course number.

Courses counted towards the Major and Professional Writing Concentration cannot also count towards the English, Creative Writing, Linguistics, or Professional Writing Minors.

EN 430 English Internship cannot count toward the major or the concentration but it does fulfill upper-level A&S elective credit hours that count for the degree.

The career opportunities for those majoring in English are numerous. There are various opportunities for those who would like to go for graduate work and countless opportunities in the field of teaching, from elementary up through higher education and even for teaching English abroad. An English major is also a customary route for those seeking admission to law school. It is becoming an increasingly common route for admission to business or medical schools. It has always been a favorite for those employers who value advanced reading, writing, and editing skills.

## Types of Jobs Accepted

Advanced reading and writing skills have led to employment in a variety of jobs. English majors often pursue graduate work in English (Penn, UCLA, Virginia, Georgetown, Cornell, North Carolina (Chapel Hill), Florida, Texas (Austin), and Toronto). Others have pursued law degrees at institutions such as Yale, Harvard, Duke, Michigan, Virginia, and Alabama. Others have gone on to receive medical degrees from such respected institutions as UAB, University of Virginia and USA. Alumni include Rhodes scholars, Mellon fellows, Fulbright scholars, published writers of considerable distinction and achievement, and even a couple of authors of best sellers.

## Jobs of Experienced Alumni

Alumni include, as might be expected, countless teachers, instructors, and professors, as well as numerous writers of distinction. Alumni also include, as might not be expected, doctors, lawyers, business executives, and people of accomplishment in all walks of life.

Learn more about opportunities in this field at the Career Center

## Faculty

### Chair

Steven Trout

## English, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
Select three (3) from the following 200 level EN courses: <sup>1</sup>	9
EN 200 Intro Creative Writing	
EN 201 How English Works	
EN 205 or English Literature I	
EN 215 Honors English Literature I	
EN 206 or English Literature II	
EN 216 Honors English Literature II	
EN 207 or World Literature I	
EN 217 Honors World Literature I	
EN 208 or World Literature II	
EN 218 Honors World Literature II	
EN 209 or American Literature	
EN 219 Honors American Literature	
EN 210 or American Literature II	
EN 220 Honors American Literature II	
EN 249 African American Literature I	
EN 250 African American Literature II	
Credit Hours Subtotal:	9
<b>Electives</b>	
Select four EN electives at the 300-400 level	12
Credit Hours Subtotal:	12
<b>Total Hours</b>	<b>21</b>

## Footnotes

<sup>1</sup> At least two (2) of the three (3) required 200 level EN courses must be from EN 205 English Literature I (or EN 215 Honors English Literature I), EN 206 English Literature II (or EN 216 Honors English Literature II), EN 207 World Literature I (or EN 217 Honors English Literature I), EN 208 World Literature II (or EN 218 Honors English Literature II), EN 209 American Literature (or EN 219 Honors American Literature), EN 210 American Literature II (or EN 220 Honors American Literature II), EN 249 African American Literature I, EN 250 African American Literature II.

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation of grade point average calculations.

## Upper-level Residency

A minimum of six hours in 300-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

EN 430 English Internship is not applicable to the minor in English. Students are responsible for ensuring that they have met all University, College, major, and minor requirements. However, each student must meet with an advisor each semester in the major department for academic planning and to be approved for registration. College advisors are also available for additional assistance with minor, College, and University requirements.

## Interdisciplinary Linguistics, Minor

### Admission to the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
Select three hours of the Following Foundations Courses:	3
EN 201 How English Works	
FR 361 Intro Romance Linguistic	
GN 240 Intro to German Linguistics	
IT 361 Intro Romance Linguistic	
SP 361 Intro Romance Linguistic	
Credit Hours Subtotal:	3
<b>Linguistic and Language Study Courses</b>	
Select 12 hours of the following:	12
BEF 485 Language Politics	
ANT 210 Language and Culture	
ANT 302 Language and Race	
ANT 401 Linguistic Anthropology	
CD 244 Phonetics	
CD 275 Anat Physio Sech Hear Mechansm	
CD 305 Language Development	

CD 402	Psychology of Language
COM 465	Intercultural Communication
EN 320	Intro To Linguistics
EN 423	History of the Eng Lang
EN 424	Modern English Grammar
EN 425	Variation in American English
EN 466	Advanced Studies In Linguistic
FR 421	Pronunciation & Phonetics
FR 461	French Linguistics
FR 470	Undergrad Sem In French ((when topic is linguistic in nature))
FR 480	Special Topics ((when topic is linguistic in nature))
SP 383	Fundamentals of Spanish Ling.
SP 384	Spanish Pronunciation
SP 390	Special Topics
SP 483	Advanced Spanish Linguistics
SP 484	Adv. Sp. Phonetics and Dialect
SP 485	Special Topics: Sp. Ling.
SP 490	Open Topics
SP 492	Spanish in the US

Up to six hours of any language currently taught in traditional classroom format in the Department of Modern Languages and Classics or six credits of language training in one of the list of languages offered at the Critical Languages Center

Credit Hours Subtotal: 12

#### Research Methodology and Applications Courses

Select one of the following:	3
ANT 450	Probs In Anthropology
CD 225	Intro Comm Disorders
EN 321	Linguis Approach English Gramr
Credit Hours Subtotal:	3

**Total Hours** 18

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation of grade point average calculations.

## Ancillary Requirements

The Interdisciplinary Linguistics Minor requires the successful completion of the following ancillary requirements:

- Both 101 and 102 of any foreign language;
- 103 of any foreign language;
- 104 of any foreign language;
- Any 3-hour course at the 200-level or higher in any foreign language. These courses are typically taught in the Department of Modern Languages and Classics. The Critical Languages Center, housed in the Department of Modern Languages and Classics, offers instruction in non-traditional foreign languages that may be of interest to some linguistics minors.

## World Literature Minor

### Admission into the Minor

The minor in world literature is open to students interested in world literature. Fluency in a foreign language is *not* necessary for this minor. Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
EN 207 or EN 217	World Literature I Honors World Literature I
EN 208 or EN 218	World Literature II Honors World Literature II
Credit Hours Subtotal:	6
<b>Literature Elective Courses</b>	
Select 15 hours <sup>1</sup>	15
Credit Hours Subtotal:	15
<b>Total Hours</b>	<b>21</b>

#### Footnotes

- <sup>1</sup> Only (1) one 200 level Literature course may be used to satisfy the Literature elective course requirements outlined, above. At least (6) six hours of the Literature elective courses must be completed at the 300-400 level.

## Literature Elective Courses

Code and Title	Hours
CHI 350	Traditional Chinese Lit Trans
CL 222	Greek Roman Mythology
CL 350	Roman Religion
CL 365	Greece & Rome in Lit. & Film
GN 250	Germanic Mythology
GN 254	Survey of German Cinema
GN 260	Holocaust In Film & Lit
GN 264	German Literature Translatn I
GN 265	German Lit In Translatn II
GN 371	Gn Cult Civil Thru 1832
GN 372	Germn Cult Civ 1832-Present
JA 356	Traditional Japanese Lit Trans
JA 357	Japanese Literature & Film
REL 240	Apocalypse In Popular Media
REL 311	English Bible As Literature
REL 341	Theories of Myth
RUS 223	Rus Lit in Trans I
RUS 224	Rus Lit In Transl II
RUS 252	Russian Folklore
RUS 325	Dostoevsky
RUS 326	Tolstoy
Other courses approved by director	

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation of grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Environmental Science

- Major
  - Environmental Science, BS (p. 461)

### Professor

- Justin Hart

### Faculty

#### Professor

Justin Hart

## Environmental Science, BS

Students pursuing a BS in Environmental Science typically have interests in the environment, enjoy outdoor recreation, and appreciate science. The Environmental Science curriculum ensures all of our students have a solid foundation in physical and life sciences and environmental data collection and analysis. Our students will all have hands-on experiences using science to address environmental issues. The curriculum also allows some flexibility so students can tailor the upper-level electives to their own specific interests.

Environmental Science majors have the option to earn a concentration in Natural Resources and Ecosystem Conservation. This concentration follows a more narrowly focused curriculum for students that have specific interests in natural resources management.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students may declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

BS Environmental Science

Code and Title	Hours
<b>Core Hours</b>	
GY 100 Environmental Science	4
Select one of the following:	4
BSC 114 Principles Of Biology I & BSC 115 and Laboratory Biology I or BSC 118 Honors General Biology I	
Select one of the following:	4

BSC 116 Principles Biology II & BSC 117 and Laboratory Biology II or BSC 120 Honors Gen Biology II	
BSC 385 Ecology and Evolution	3
Select one of the following:	4-5
CH 101 or General Chemistry CH 117 Honors General Chemistry or CH 100 General Chemistry I - Plus	
Select one of the following:	4
CH 102 or General Chemistry CH 118 Honors General Chemistry	
GY 101 Atmospheric Proc & Patterns	4
Select one of the following:	4
GY 102 or Earth Surface Processes GEO 101 The Dynamic Earth	
GY 204 Map & Air Photo Interpretation	4
Select one of the following:	3
GY 339 Natural Resource Environmng Plang	
GY 441 Land Use Regulations	
GY 452 Environ Decision Making	
GY 453 Environment & Society	
GY 462 Land Use Science	
GY 420 or Remote Sensing I (Select one of the following): GY 430 Intro Geographic Info Systems	
Select one of the following:	3
ST 260 or Statistical Data Analysis PY 211 Elem Statistical Methods or BER 345 Educational Statistics	

### Upper Division Electives

Select 16 hours (see below) 16  
Credit Hours Subtotal: 57-58

### Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in environmental science requires the successful completion of the following course outside the major:

MATH 125 or Calculus I MATH 145 Honors Calculus I	4
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**Total Hours 61-62**

## Upper Division Electives

Students earning the BS in Environmental Science must complete an additional 16 hours of upper-division electives from the following courses:

Code and Title	Hours
GY 302 Climatology	3
GY 363 Geomorphology	3
GY 385 Watershed Management Plan Development	3
GY 404 Physical Geography Seast Us	3
GY 405 Dir Res Physical Geog	1-3
GY 409 Forest History and Restoration	4

GY 412	Hydroclimatology	3	BSC 481	Foundations in Advanced Biostatistics with Applications to R	3
GY 413	Applied Climatology	3	BSC 482	Conservation Biology	3
GY 414	Climate Change and Health	3	BSC 483	Evolution	3
GY 415	The Geography of Extinctions and Endangered Species	3	BSC 484	Aquatic Biology Seminar	1
GY 444	Field Studies In Africa	6	BSC 490	Stream Ecology	4
GY 450	Field Studies in Belize	6	BSC 497	Special Topics	1-4
GY 454	Costa Rica Field Studies: Tropical Ecology, Conservation, and Development	4	BSC 448	Animal Behavior	3
GY 470	Special Topics	3	BSC 465	Prin Of Toxicology	3
GY 472	Soils	3	BSC 487	Biogeography	3
GY 477	Water Resources Management	3	<b>Grade Point Average</b>		
GY 483	Environment Science Internship	3-9	A 2.0-grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation of grade point average calculations.		
GY 485	River Hydrology	3	<b>Upper-level Residency</b>		
GY 486	Watershed Dynamics	3	A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.		
GY 489	Forest Ecology Veg Analy	4	<b>Required Minor</b>		
GY 491	Fluvial Geomorphology	3	The environmental science major does not require a minor.		
GY 492	Eastern Forest Communities	4	<b>Additional Major Requirements</b>		
GY 494	Forest Measurement & Methods	4	Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College, and University requirements.		
GY 496	Forest Ecosystems	4	<b>Natural Resources and Ecosystem Conservation Concentration</b>		
GEO 306	Hydrogeology	3	<b>Required courses</b>		
GEO 363	Geomorphology	3	EC 110	Principles of Microeconomics	3
GEO 399	Undergraduate Research	1-6	COM 123	Public Speaking	3
GEO 401	Paleoclimatology	3	PHL 292	Introduction to Ethics	3
GEO 410	Soil & Groundwater Restoration	3	EN 319	Technical Writing	3
GEO 411	Contaminant Transport	3	GY 339	Natural Resource Environm Plang	3
GEO 424	Topics In Geology	1-4	<b>General Management and Planning Course (Choose 1)</b>		
BSC 303	Field Zoology	3	GY 452	Environ Decision Making	3
BSC 314	Dendrology	3	GY 453	Environment & Society	3
BSC 315	Genetics	3	GY 441	Land Use Regulations	3
BSC 320	Freshwater Studies	4	GY 462	Land Use Science	3
BSC 325	Tropical Plant Diversity	4	<b>Thematic Management and Planning Course (Choose 2)</b>		
BSC 360	Plant Biology	4	GY 385	Watershed Management Plan Development	6-8
BSC 371	Biology of Lower Plants	4	GY 409	Forest History and Restoration	3
BSC 373	Vertebrate Zoology	4	GY 415	The Geography of Extinctions and Endangered Species	3
BSC 380	Intro Stats Biology	3	GY 477	Water Resources Management	3
BSC 386	General Ecology Lab	3	GY 492	Eastern Forest Communities	3
BSC 398	Undergraduate Research	1-4	GY 496	Forest Ecosystems	3
BSC 412	Limnology	3	BSC 482	Conservation Biology	3
BSC 415	Wetland Ecology	3	GEO 410	Soil & Groundwater Restoration	3
BSC 417	Environmental Modeling	3	<b>Measurements Course (Choose 1)</b>		
BSC 428	Biology Of Fishes	4	GY 488	Digital Terrain and Watershed	3-4
BSC 434	Plant Systematics	4	GY 494	Forest Measurement & Methods	3
BSC 456	Microbial Ecology	3			
BSC 464	Biology Of Algae	4			
BSC 470	Prin Pop Genetics	3			
BSC 471	Plant Physiology	3			
BSC 472	Mycology	4			
BSC 473	Bioinformatics	3			
BSC 475	General Entomology	4			
BSC 476	Aquatic Insects	4			
BSC 480	Plant Ecology	3			

BSC 380	Intro Stats Biology	
BSC 417	Environmental Modeling	
<b>Ecological Processes (Choose 2)</b>		<b>6-8</b>
GY 489	Forest Ecology Veg Analy	
BSC 303	Field Zoology	
BSC 314	Dendrology	
BSC 320	Freshwater Studies	
BSC 325	Tropical Plant Diversity	
BSC 360	Plant Biology	
BSC 373	Vertebrate Zoology	
BSC 400	Vertebrate Funct Morphol	
BSC 412	Limnology	
BSC 415	Wetland Ecology	
BSC 428	Biology Of Fishes	
BSC 434	Plant Systematics	
BSC 448	Animal Behavior	
BSC 456	Microbial Ecology	
BSC 471	Plant Physiology	
BSC 472	Mycology	
BSC 475	General Entomology	
BSC 476	Aquatic Insects	
BSC 480	Plant Ecology	
BSC 490	Stream Ecology	
<b>Earth Surface Processes (Choose 1)</b>		<b>3-4</b>
GY 363	Geomorphology	
GY 404	Physical Geography Seast Us	
GY 472	Soils	
GY 485	River Hydrology	
GY 486	Watershed Dynamics	
GY 491	Fluvial Geomorphology	
GEO 306	Hydrogeology	

**Total Hours** **36-42**

A BS in Environmental Science prepares students for a wide range of employment opportunities in the fields of natural resources management, environmental monitoring and assessment, and environmental education. Students are also prepared to continue their education in graduate schools in a variety of academic fields.

## Types of Jobs Accepted

Recent graduates have accepted positions with the US Forest Service, US Geological Survey, Alabama Geological Survey, US Bureau of Land Management, National Oceanic and Atmospheric Administration, electric utility holding companies, private consulting firms in natural resources and geotechnical fields, and land trusts and other non-profit agencies.

## Jobs of Experienced Alumni

Experienced alumni hold positions such as hydrologist, land manager, forester, planner, consultant, professor, land steward, conservation programs manager, arborist, ecologist, environmental analyst, ranger, silviculturist, senior analyst, environmental coordinator, recycling and green wastes coordinator, realtor, estate manager, guide, outdoor educator, and environmental inspector.

Learn more about opportunities in this field at the Career Center

## Faculty

### Professor

Justin Hart

## Department of Gender and Race Studies

The Department of Gender and Race Studies offers the Bachelor of Arts (BA) degree in African American studies as well as minors in African American studies and in Women's Studies. The major and minor in African American studies are interdisciplinary and address the history, politics, and culture of the African American community, as an issue of democracy and in a transnational perspective. The courses in the major and minor encourage students to use a variety of approaches to study the complex issues that arise in connection to the lives of African Americans. The Women's Studies minor is also interdisciplinary and is designed to provide knowledge of the roles and status of women in historical and contemporary society, to conduct and encourage research and writing by and about women, and to offer skills and information for increasing employment opportunities for women.

- Major
  - African American Studies, BA (p. 464)
- Minors
  - African American Studies (p. 465)
  - Women's Studies (p. 466)

### Chair

- McKnight, Utz

### Associate professors

- Green, Hilary
- Purvis, Jennifer

### Assistant professors

- Gallagher, Megan
- Sorentino, Sara-Maria

### Instructors

- Austin, Gregory
- Black, Juan
- Foster, Bill
- Franklin, Dot
- McKnight, Elizabeth

### AAST201 Intro African Amer Study

SB

Hours 3

A basic outline of the diversity and complexity of the African-American experience in the United States: the early academic and social concerns of Black Studies advocates; the changes in the field's objectives that arise from its connections to contemporary social movements for Black Power, women's liberation and multiculturalism; and its major theoretical and critical debates.

Social and Behavioral Sciences

**WS200 Intro To Women Studies**

HU

Hours 3

An interdisciplinary course examining the roles of women in patriarchal society, with emphasis on how factors such as race, class, gender, and sexuality contribute to the oppression of women and ways they can be challenged through feminist critical practices.

Humanities

[View All Courses](#)**Faculty****Chair**

McKnight, Utz

**Associate professors**

Green, Hilary

Purvis, Jennifer

**Assistant professors**

Gallagher, Megan

Sorentino, Sara-Maria

**Instructors**

Austin, Gregory

Black, Juan

Foster, Bill

Franklin, Dot

McKnight, Elizabeth

**African American Studies, BA**

A unique facet of the AAST program is its commitment to scholarship on and service to Alabama African American communities, particularly the concerns of African-descended communities from Holt and the west side of Tuscaloosa to the Black Belt areas of Marion, Uniontown, Greensboro, Tuskegee, Selma, and Gee's Bend. The program places emphasis on developing students' understanding of interdisciplinary research and its centrality in African American Studies.

Office: 104 Presidents Hall

<https://grs.as.ua.edu/undergraduate-programs/african-american-studies-overview/>[grs@as.ua.edu](mailto:grs@as.ua.edu)**Admission into the Major**

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

**Special Opportunities**

Students have the opportunity to complete internships in a variety of settings. Students should contact the program office for more information. Students are strongly encouraged to enroll in a research methods course and to take advantage of study abroad opportunities.

The University of Alabama and The University of Alabama at Birmingham offer a joint degree in African American studies. Students earning the bachelor of arts (BA) degree with a major in African American studies must complete all University, College and departmental degree

requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
Select five courses of the following:	15
AAST 201 Intro African Amer Study or AMS 201 Intro African Amer Study	
AAST 302 The Black Church	
AAST 303 Education Of Southern Blacks	
AAST 319 19th Century Black History or HY 319 19th Century Black History	
AAST 352 Social Inequality	
AAST 401 Black Intellectual Thought	
AAST 435 Black Feminism	
AAST 395 Special Topics	
AAST 402 Special Topics	
AAST 490 AAST Independent Study	
AAST 495 Special Topics	
	Credit Hours Subtotal: 15
<b>Electives</b>	
Select six courses of AAST electives or other approved electives	18
	Credit Hours Subtotal: 18
<b>Total Hours</b>	<b>33</b>

**Electives**

Students may petition the Department of Gender and Race Studies to substitute any of the following courses when the focus and title is on African American or racial topics:

Code and Title	Hours
AMS 300 Special Topics	3
AMS 321 African American Folk Art	3
AMS 340 Women in the South	3
AMS 341 African American Art	3
AMS 402 Special Topics	3
AMS 405 Directed Study	1-3
AMS 492 Capstone Research Seminar	3
ARH 481 Topics 20th Century Art	3
CJ 303 Race, Ethnicity, and Crime	3
COM 395 Special Topics	3
COM 413 Communication & Diversity	3
COM 415 African American Rhetoric	3
COM 467 Seminar in Public Address	3
COM 495 Special Topics	3
EN 249 African American Literature I	3
EN 311 Special Topics In Literature	3
EN 350 Topics in African American Lit	3
EN 488 Adv Stdy African American Lit	3
GY 344 Geography Of Africa	3
PSC 364 African Amer & Polit Sys	3



REL 237	Self Society & Religions	3
REL 480	Seminar Rel and Conflict	3
SW 351	Oppression & Social Injustice	3

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- or 400-level courses in the major must be earned on The University of Alabama (UA) or The University of Alabama at Birmingham (UAB) campuses.

## Ancillary Courses

This major does not require ancillary courses.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

A minimum of 18 hours of 300- or 400-level courses in the major must be completed, nine hours of which must be at the 400 level. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

Unless otherwise stated, the prerequisite for 300- and 400-level courses is junior standing or higher or permission of the instructor.

The major's interdisciplinary structure gives students the unique opportunity to meet the expectations of graduate admissions committees and prospective employers by demonstrating specialized knowledge in a field of study and general training in a broad liberal arts curriculum. An African American Studies major is an ideal major or second major for those who desire to attend graduate school and professional programs in the following areas: law, education, English, economics, business management, social work, sports management, publishing, public health, sociology, film studies, psychology, city planning, public administration, political science, history, art, ethnic studies, public relations, communications, and the foreign service advanced degrees. American Studies majors teach in secondary schools, junior colleges, and universities and work for historical commissions, arts alliances, museums, libraries, and the private sector.

## Types of Jobs Accepted

Recent graduates have accepted jobs in both city and federal government; they work in secondary education, journalism, public relations and advertising, business, have become successful artists, and have gone on to attend prestigious graduate school programs in a range of fields.

## Jobs of Experienced Alumni

Jobs held by alumni include attorney, teacher, journalist, retail manager, public relations and advertising executive, fiction writer, poet, performance artist, television and film actor, website developer and social

media consultant, social worker, guidance counselor, corporate executive, and professional musician.

Learn more about opportunities in this field at the Career Center

## African American Studies, Minor

Office: 104 Presidents Hall

<https://grs.as.ua.edu/undergraduate-programs/african-american-studies-overview/>

grs@as.ua.edu

## Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
Select four of the following:	12
AAST 201 Intro African Amer Study or AMS 201 Intro African Amer Study	
AAST 249 African American Literature or EN 249 African American Literature I	
AAST 302 The Black Church	
AAST 303 Education Of Southern Blacks	
AAST 319 19th Century Black History or HY 319 19th Century Black History	
AAST 352 Social Inequality	
AAST 401 Black Intellectual Thought	
AAST 435 Black Feminism	
<b>Electives</b>	
Select three AAST electives or other approved electives	9
Credit Hours Subtotal:	21
<b>Total Hours</b>	<b>21</b>

## Additional Courses

Students may petition the Department of Gender and Race Studies to substitute any of the following courses when the focus and title is on African American or racial topics:

Code and Title	Hours
AMS 300 Special Topics	3
AMS 321 African American Folk Art	3
AMS 340 Women in the South	3
AMS 341 African American Art	3
AMS 402 Special Topics	3
AMS 405 Directed Study	1
AMS 492 Capstone Research Seminar	3
ARH 481 Topics 20th Century Art	3
CJ 303 Race, Ethnicity, and Crime	3
COM 395 Special Topics	3
COM 413 Communication & Diversity	3
COM 467 Seminar in Public Address	3

COM 495	Special Topics	3
EN 311	Special Topics In Literature	3
EN 488	Adv Stdy African American Lit	3
GY 344	Geography Of Africa	3
PSC 364	African Amer & Polit Sys	3
REL 237	Self Society & Religions	3
REL 480	Seminar Rel and Conflict	3
SW 351	Oppression & Social Injustice	3

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, college, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, college and University requirements.

## Prerequisites

Unless otherwise stated, the prerequisite for 300- and 400-level courses is junior standing or higher or permission of the instructor.

## Special Opportunities

Students have the opportunity to complete internships in a variety of settings. Students should contact the program office for more information. The program also offers occasional study abroad opportunities.

## Women's Studies, Minor

Office: 104 Presidents Hall

<https://grs.as.ua.edu/undergraduate-programs/womens-studies-overview/womens-studies-minor/>

womenstudies@as.ua.edu

## Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
WS 200 Intro To Women Studies	3
WS 430 or WS 470 Contemp Issues Feminist Theory Gender, Race, and Class	3
Credit Hours Subtotal:	6

## Electives

Select three hours of WS elective 300 or 400 level	3
Select nine hours of WS elective or approved elective	9
Credit Hours Subtotal:	12
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Department of Geography

The department of geography offers majors in environmental science and geography. The major in geography may culminate in either a bachelor of arts (BA) degree or a bachelor of science (BS) degree. The department also offers a minor in geography, a minor in geographic information systems and certificate programs in geographic information systems or regional and urban planning.

- Majors
  - Geography, BA (p. 468)
  - Geography, BS (p. 469)
- Minors
  - Geography (p. 471)
  - Geographic Information Systems (GIS) (p. 467)

### Chair and Professor

- Therrell, Matthew

### Professors

- Appiah Opoku, Seth
- Curtin, Kevin
- Han, Luoheng
- Hart, Justin
- Liu, Hongxing
- Messina, Joseph
- Sherman, Doug
- Steinberg, Michael
- Weber, Joe

### Associate Professors

- Cohen, Sagy
- Davis, Lisa
- Senkbeil, Jason

**Assistant Professors**

- Lafevor, Matthew
- Magliocca, Nicholas
- Margulies, Jared
- Shao, Wanyun

**Instructor**

- Wallace-Pitts, Mary

**Adjunct associate professor**

- Richetto, Jeffrey

**Associate Research Professor**

- Bearden, Bennett

**Director Cartographic Research Laboratory**

- Remington, Craig

**Geospatial Services Manager**

- Courchesne, Eric

**GY100 Introduction to Environmental Science**

N

Hours 4

The primary objective of this course is to provide an introduction to the complex themes of environmental science that arise from the interactions between humans and the environment. Environmental science is an interdisciplinary field that synthesizes information from natural and social sciences and humanities to understand the natural world and our relationship to it. The content includes overviews of select biophysical systems and how they impact and are impacted by human agencies, and interdisciplinary approaches necessary to contend with modern environmental challenges are emphasized. Current environmental issues will be considered theoretically and through case studies.

Natural Science

**GY101 Atmospheric Proc & Patterns**

N

Hours 4

Three hours lecture and one two-hour laboratory period. Earth-space relations, latitude and longitude, seasons, time, weather, climate, and vegetation. Particular attention is given to the causes of weather and climate and why they tend to be different from place to place.

Natural Science

[View All Courses](#)**Faculty****Chair and Professor**

Therrell, Matthew

**Professors**

Appiah Opoku, Seth

Curtin, Kevin

Han, Luoheng

Hart, Justin

Liu, Hongxing

Messina, Joseph

Sherman, Doug

Steinberg, Michael

Weber, Joe

**Associate Professors**

Cohen, Sagy

Davis, Lisa

Senkbeil, Jason

**Assistant Professors**

Lafevor, Matthew

Magliocca, Nicholas

Margulies, Jared

Shao, Wanyun

**Instructor**

Wallace-Pitts, Mary

**Adjunct associate professor**

Richetto, Jeffrey

**Associate Research Professor**

Bearden, Bennett

**Director Cartographic Research Laboratory**

Remington, Craig

**Geospatial Services Manager**

Courchesne, Eric

## Geographic Information Systems (GIS), Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

### Geographic Information Systems (GIS) minor requirements for Geography majors:

Geographic Information Systems (GIS) Minor		Hours
<b>Minor Courses</b>		
GY 420	Remote Sensing I	4
GY 430	Intro Geographic Info Systems	3
GY 430	Intro Geographic Info Systems	1
Select three of the following courses:		12
GY 330	Computr Mapping Graphics	
GY 435	Remote Sensing II	
GY 436	Adv Geographic Info Syst	
GY 437	GIS for Transportation	
GY 439	GIS Programming	
GY 443	Location Science	
GY 488	Digital Terrain and Watershed	
<b>Total Hours</b>		<b>20</b>

## Geographic Information Systems (GIS) minor requirements for non-Geography majors:

Geographic Information Systems (GIS) minor for non-majors		Hours
<b>Required Courses</b>		
GY 420	Remote Sensing I	4
GY 429	Fundamentals of GIS	3
Select three of the following courses:		12
GY 430	Intro Geographic Info Systems	
GY 330	Computr Mapping Graphics	
GY 435	Remote Sensing II	
GY 436	Adv Geographic Info Syst	
GY 437	GIS for Transportation	
GY 439	GIS Programming	
<b>Total Hours</b>		<b>19</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six semester hours of 300- or 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

The minor in geographic information systems is not open to geography majors in the geographic information techniques concentration (III). Students are responsible for ensuring that they have met all requirements. However, each student must meet with an adviser in the Department of Geography for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Geography, BA

Geography students are typically interested in protecting natural resources, planning the best possible use of land, teaching about interactions among people and places, developing and applying advanced new technologies, and solving environmental problems. Geographers can make a difference – from teaching to planning, from working for sustainable development to working with geospatial technologies and more.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The Department of Geography offers internship opportunities with the Geological Survey of Alabama and local planning agencies. The department also offers certificate programs in Geographic Information Systems (GIS) and in regional and urban planning. Additional information is available in the Department of Geography office.

Students earning the bachelor of arts (BA) degree with a major in geography must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title		Hours
<b>Major Courses</b>		
GY 101	Atmospheric Proc & Patterns	4
GY 102	Earth Surface Processes	4
GY 105	World Regional Geography	3
GY 110	People, Places, & Environment	3
GY 204	Map & Air Photo Interpretation	4
		Credit Hours Subtotal: 18
<b>Concentration</b>		
Select a GY concentration from the list below		12
		Credit Hours Subtotal: 12
<b>Electives</b>		
Select six hours of GY electives		6
		Credit Hours Subtotal: 6
<b>Total Hours</b>		<b>36</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

The geography major requires completion of a minor.

## Additional Major Requirements

A maximum of 3 hours of internship or practicum credit can be applied to the major. Each geography course applied to the 36-hour requirement must be completed with a grade of C- or higher. Students are responsible for ensuring that they have met all requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Concentrations

Students must earn a minimum of 12 hours from one of the following three concentrations. With approval, topic appropriate GY 470 Special Topics may be substituted in each concentration.

### Concentration I: Earth System Science (minimum of 12 hours)

Code and Title		Hours
GY 202	The Water Planet	4
GY 302	Climatology	3
GY 363	Geomorphology	3
GY 404	Physical Geography Seast Us	3

GY 405	Dir Res Physical Geog	1-3
GY 409	Forest History and Restoration	4
GY 412	Hydroclimatology	3
GY 413	Applied Climatology	3
GY 414	Climate Change and Health	3
GY 416	Geostatistics Using R	3
GY 451	Global Environmental Change	3
GY 462	Land Use Science	4
GY 470	Special Topics	3
GY 472	Soils	4
GY 485	River Hydrology	3
GY 486	Watershed Dynamics	3
GY 489	Forest Ecology Veg Analy	4
GY 491	Fluvial Geomorphology	3
GY 492	Eastern Forest Communities	4
GY 494	Forest Measurement & Methods	4
GY 496	Forest Ecosystems	4

### Concentration II: Regional, Urban and Environmental Planning (minimum of 12 hours)

Code and Title	Hours	
GY 265	Water Energy Food	3
GY 267	Political Ecology	3
GY 317	Natural Hazards	3
GY 339	Natural Resource Environm Plang	3
GY 341	Geography Of Us And Canada	3
GY 344	Geography Of Africa	3
GY 346	Geography of Europe	3
GY 370	Special Topics	3
GY 375	Sports Geography	3
GY 377	Cultural Geography	3
GY 385	Watershed Management Plan Development (Watershed Management Plan)	3
GY 406	Dir Res Human Geography	1-3
GY 410	National Parks	3
GY 415	The Geography of Extinctions and Endangered Species	3
GY 417	Extreme Weather and Society	3
GY 440	Commun Facil Planning	3
GY 441	Land Use Regulations	3
GY 444	Field Studies In Africa	6
GY 445	Agriculture	3
GY 449	Field Studies: Ireland	6
GY 450	Field Studies in Belize	6
GY 451	Global Environmental Change	3
GY 452	Environ Decision Making	3
GY 453	Environment & Society	3
GY 454	Costa Rica Field Studies: Tropical Ecology, Conservation, and Development	4
GY 456	Planning Internship	3-9
GY 458	Urban Planning And Analysis	3
GY 462	Land Use Science	4
GY 466	Geography of Automobility	3

GY 470	Special Topics	3
GY 473	Public Policy Water	3
GY 477	Water Resources Management	3
GY 481	Water Diplomacy	3

### Concentration III: Geographic Information Techniques (minimum of 12 hours)

Code and Title	Hours	
GY 330	Computr Mapping Graphics	4
GY 418	Spatial and Geostats	3
GY 420	Remote Sensing I	4
GY 424	Cartography Practicum	3-9
GY 425	Cartography Internship	3-9
GY 430	Intro Geographic Info Systems	3
GY 430	Intro Geographic Info Systems	1
GY 433	Gis Practicum	3-9
GY 434	Gis Internship	3-9
GY 435	Remote Sensing II	4
GY 436	Adv Geographic Info Syst	4
GY 437	GIS for Transportation	4
GY 439	GIS Programming	4
GY 443	Location Science	3
GY 488	Digital Terrain and Watershed	4

#### Types of Jobs Accepted

Our graduates accept positions such as environmental consultant; forest technician; Geographic Information Systems analyst; land steward; park ranger; regional, urban, or environmental planner; remote sensing analyst; scientist; software engineer; agent with the Central Intelligence Agency; and as staff members of the U.S. Environmental Protection Agency, U.S. Forest Service, U.S. Geological Survey, NASA, and city, county, and regional planning commissions.

Learn more about opportunities in this field at the Career Center

## Geography, BS

### Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students may declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

### Special Opportunities

The Department of Geography offers internship opportunities with the Geological Survey of Alabama and local planning agencies. The department also offers certificate programs in Geographic Information Systems (GIS) and in regional and urban planning. Additional information is available in the Department of Geography office.

Students earning the bachelor of science (BS) degree with a major in geography must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
GY 101 Atmospheric Proc & Patterns	4
GY 102 Earth Surface Processes	4
GY 105 World Regional Geography	3
GY 110 People, Places, & Environment	3
GY 204 Map & Air Photo Interpretation	4
Credit Hours Subtotal:	18
<b>Concentration</b>	
Select a GY concentration	12
Credit Hours Subtotal:	12
<b>Electives</b>	
Select six hours of GY electives	6
Credit Hours Subtotal:	6
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the major GPA. The major in geography culminating in a bachelor of science (BS) degree requires the successful completion of the following courses outside the major:	
MATH 125 or Calculus I	4
MATH 145 Honors Calculus I	
Select a statistics course:	3
ST 260 Statistical Data Analysis	
PY 211 Elem Statistical Methods	
BER 345 Educational Statistics	
Credit Hours Subtotal:	7
<b>Total Hours</b>	<b>43</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

The geography major requires completion of a minor.

## Additional Major Requirements

A maximum of three hours of internship or practicum credit can be applied to the major. Each geography course applied to the 36-hour requirement must be completed with a grade of C- or higher. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Concentrations

Students must earn at least 12 hours from one of the following three concentrations. With approval, topic appropriate GY 470 Special Topics may be substituted in each concentration.

### Concentration I: Earth System Science (minimum of 12 hours)

Code and Title	Hours
GY 202 The Water Planet	4
GY 302 Climatology	3
GY 363 Geomorphology	3
GY 404 Physical Geography Seast Us	3
GY 405 Dir Res Physical Geog	1-3
GY 409 Forest History and Restoration	4
GY 412 Hydroclimatology	3
GY 413 Applied Climatology	3
GY 414 Climate Change and Health	3
GY 416 Geostatistics Using R	3
GY 451 Global Environmental Change	3
GY 462 Land Use Science	4
GY 470 Special Topics	3
GY 472 Soils	3
GY 485 River Hydrology	3
GY 486 Watershed Dynamics	3
GY 489 Forest Ecology Veg Analy	4
GY 491 Fluvial Geomorphology	3
GY 492 Eastern Forest Communities	4
GY 494 Forest Measurement & Methods	4
GY 496 Forest Ecosystems	4

### Concentration II: Regional, Urban and Environmental Planning (minimum of 12 hours)

Code and Title	Hours
GY 265 Water Energy Food	3
GY 267 Political Ecology	3
GY 317 Natural Hazards	3
GY 339 Natural Resource Environm Plang	3
GY 341 Geography Of Us And Canada	3
GY 344 Geography Of Africa	3
GY 346 Geography of Europe	3
GY 370 Special Topics	3
GY 375 Sports Geography	3
GY 377 Cultural Geography	3
GY 385 Watershed Management Plan Development (Watershed Management Plan)	3
GY 406 Dir Res Human Geography	1-3
GY 410 National Parks	3
GY 415 The Geography of Extinctions and Endangered Species	3
GY 417 Extreme Weather and Society	3
GY 440 Commun Facil Planning	3
GY 441 Land Use Regulations	3
GY 444 Field Studies In Africa	6
GY 445 Agriculture	3
GY 449 Field Studies: Ireland	6
GY 450 Field Studies in Belize	6
GY 452 Environ Decision Making	3
GY 453 Environment & Society	3

GY 454	Costa Rica Field Studies: Tropical Ecology, Conservation, and Development	4
GY 456	Planning Internship	3-9
GY 458	Urban Planning And Analysis	3
GY 462	Land Use Science	4
GY 466	Geography of Automobility	3
GY 470	Special Topics	3

### Concentration III: Geographic Information Techniques (minimum of 12 hours)

Code and Title	Hours	
GY 330	Computr Mapping Graphics	4
GY 418	Spatial and Geostats	3
GY 420	Remote Sensing I	4
GY 424	Cartography Practicum	3-9
GY 425	Cartography Internship	3-9
GY 430	Intro Geographic Info Systems	1 or 3
GY 433	Gis Practicum	3-9
GY 434	Gis Internship	3-9
GY 435	Remote Sensing II	4
GY 436	Adv Geographic Info Syst	4
GY 437	GIS for Transportation	4
GY 439	GIS Programming	4
GY 443	Location Science	3
GY 488	Digital Terrain and Watershed	4

#### Types of Jobs Accepted

Our graduates accept positions such as environmental consultant; forest technician; geographic information systems analyst; land steward; park ranger; regional and urban or environmental planner; remote sensing analyst; scientist; software engineer; agent with the Central Intelligence Agency; U.S. Environmental Protection Agency staff person; U.S. Forest Service staff person; U.S. Geological Survey staff person; National Oceanic & Atmospheric Administration staff person; city, county and regional planning commissioner.

Learn more about opportunities in this field at the Career Center

## Geography, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours	
<b>Minor Courses</b>		
GY 101 or GY 102	Atmospheric Proc & Patterns Earth Surface Processes	4
GY 105 or GY 110	World Regional Geography People, Places, & Environment	3
Credit Hours Subtotal:		7

#### Electives

Select nine hours of GY electives 300 or 400 level	9
Select two hours of GY electives	2

Credit Hours Subtotal: 11

**Total Hours 18**

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Internship or practicum credit hours cannot be applied to the minor. Students are responsible for ensuring that they have met all requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Department of Geological Sciences

The department of geological sciences offers undergraduate majors leading to the bachelor of arts (BA), bachelor of science (BS) and bachelor of science in geology (BSG) degrees, as well as a double major in marine science/geological science. An undergraduate minor is also offered. Honors programs are available for the bachelor of science and bachelor of science in geology degrees.

- Majors
  - Geology, BA (p. 472)
  - Geology, BS (p. 473)
  - Geology, BSG (p. 474)
- Minor
  - Geology (p. 475)

#### Chair

- Robinson, Delores

#### Associate Professors

- Dimova, Natasha
- Genareau, Kimberly
- Lu, Yuehan
- Perez-Huerta, Alberto
- Zhang, Yong

#### Professors

- Andrus, Fred
- Cemen, Ibrahim
- Donahoe, Rona J.
- Hansen, Samantha
- Robinson, Delores
- Stowell, Harold H.
- Tick, Geoffrey

**Assistant Professors**

- Cartwright, Julia
- Minzoni, Marcello
- Minzoni, Rebecca
- Plattner, Alain
- Tobin, Thomas
- Wielicki, Matthew
- Zhang, Bo

**Part-time Instructors**

- Elliott, Emily
- Ikejiri, Takehito
- Lambert, W. Joe
- Robins, Cristina

**Professors Emeriti**

- Aharon, Paul
- Groshong, Richard
- Mancini, Ernest
- Stock, Carl

**Adjunct professors**

- Smart, Sandi
- Wielicki, Michelle
- Zheng, Chunmiao

**Director, Sedimentary Basin Studies**

- Tew, Berry (Nick) H.

**GEO101 The Dynamic Earth***N*

Hours 4

Three lectures and one laboratory. Study of the earth including materials, internal and external processes, deformational events, and plate tectonics. Offered in the fall, spring, and summer semesters.

Natural Science

**GEO102 The Earth Through Time***N*

Hours 4

Three lectures and one laboratory. Survey of earth's history including origin of the earth, plate tectonics and evolution of the continents and ocean basins, and the development of life. Offered in the fall, spring, and summer semesters.

Natural Science

[View All Courses](#)**Faculty****Chair**

Robinson, Delores

**Associate Professors**

Dimova, Natasha

Genareau, Kimberly

Lu, Yuehan

Perez-Huerta, Alberto

Zhang, Yong

**Professors**

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Aharon, Paul

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Mancini, Ernest

Stock, Carl

**Adjunct professors**

Smart, Sandi

Wielicki, Michelle

Zheng, Chunmiao

**Director, Sedimentary Basin Studies**

Tew, Berry (Nick) H.

## Geology, BA

Geology often draws students with interest in the outdoors and travel, and concern for environmental and energy issues, as well as those pursuing careers in geosciences-related industries. Geology applies chemistry, physics, mathematics, and sometimes biology to understanding earth processes, so students take a broad array of ancillary science classes. Additionally, majors train in the specialized laboratory and field skills required by professional geologists.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.



## Special Opportunities

The Department supports two student chapters of professional organizations, the American Institute of Professional Geologists and the American Association of Petroleum Geologists, both of which offer frequent career-development opportunities. The Department also hosts the Geology Club and a chapter of Sigma Gamma Epsilon, the national honor society for Earth Scientists, in which students participate in educational, social, and community service activities, often including field trips. All undergraduates are strongly encouraged to conduct laboratory and field research under the direction of faculty and earn course credit through internships working with professional geoscientists.

Students earning the bachelor of arts (BA) degree with a major in geology must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title		Hours
<b>Major Courses</b>		
GEO 101	The Dynamic Earth	4
GEO 102	The Earth Through Time	4
<b>Electives</b>		
GEO electives 300 or 400 level		12
GEO electives		10
<b>Total Hours</b>		<b>30</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations. All GEO courses must be passed with a minimum grade of C-.

## Upper-level Residency

A minimum of 12 hours of 300- or 400-level courses in the major must be earned on this campus.

## Ancillary Courses

This major does not require ancillary courses.

## Required Minor

The geology major (BA) requires completion of a minor.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

Prerequisites for all GEO courses must be passed with a minimum grade of C-.

Geologists have broad career options. Common fields of employment include environmental assessment and remediation, water resources, geotechnical consulting, energy, earth materials, hazard assessments, academic research, and education. Some examples of employers

would be environmental and geotechnical firms, energy and mining companies, public utilities, building material suppliers, and state and federal government.

## Types of Jobs Accepted

Majors graduate to become geochemists, hydrogeologists, geophysicists, petroleum geologists, resource exploration geologists, hazard assessors, environmental regulators, geotechnical engineers, environmental lawyers, and consultants. Some graduates become licensed public geologists.

## Jobs of Experienced Alumni

Alumni hold an impressive array of jobs as leaders of national and international energy corporations, environmental and geotechnical firms, and mining and materials production companies. Several majors became entrepreneurs and founded companies focused on geotechnical consulting, energy exploration, environmental remediation, and other key industries. Others conduct research at universities, national laboratories, museums, state and U.S. Geological Survey offices, and other government agencies including NASA, the Department of Energy, the Department of the Interior, and the Environmental Protection Agency.

Learn more about opportunities in this field at the Career Center

## Geology, BS

Geology often draws students with interests in the outdoors, travel, concern for environmental and energy issues and those pursuing careers in geosciences-related industries. Geology applies chemistry, physics, mathematics, and sometimes biology to understanding earth processes, so students take a broad array of ancillary science classes. Additionally, majors train in the specialized laboratory and field skills required by professional geologists.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The Department supports two student chapters of professional organizations, the American Institute of Professional Geologists and the American Association of Petroleum Geologists, both of which offer frequent career-development opportunities. The Department also hosts the Geology Club and a chapter of Sigma Gamma Epsilon, the national honor society for Earth Sciences, in which students participate in educational, social, and community service activities, often including field trips. All undergraduates are strongly encouraged to conduct laboratory and field research under the direction of faculty and earn course credit through internships working with professional geoscientists.

Students earning the bachelor of science (BS) degree must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total 128 applicable semester hours.

Code and Title		Hours
<b>Major Courses</b>		
GEO 101	The Dynamic Earth	4
GEO 102	The Earth Through Time	4
GEO 210	Mineralogy	4

GEO 314	Ign. & Meta. Petrology	4
GEO 365	Structural Geology	3
GEO 367	Sedimentology/Stratigraphy	4
GEO 495	Field Geology	6
GEO electives		7
Credit Hours Subtotal:		36
<b>Ancillary Courses</b>		
Grades in ancillary courses are not computed into the major GPA. This major requires successful completion of the following courses outside the major.		
CH 101 or	General Chemistry	4
CH 117	Honors General Chemistry	
CH 102 or	General Chemistry	4
CH 118	Honors General Chemistry	
CH 223	Quantitative Analysis	4
PH 105 or	General Physics W/Calc I	4
PH 125	Honors Gen Ph W/Calculus	
PH 106 or	General Physics W/Calc II	4
PH 126	Honors Gen Ph W/Calculus II	
MATH 125 or	Calculus I	4
MATH 145	Honors Calculus I	
MATH 126 or	Calculus II	4
MATH 146	Honors Calculus II	
MATH 227 or	Calculus III	4
MATH 247	Honors Calculus III	
MATH 238	Appld Diff Equations I	3
Credit Hours Subtotal:		35
<b>Total Hours</b>		<b>71</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations. All GEO courses must be passed with a minimum grade of C-.

## Upper-level Residency

A minimum of 12 hours of 300- or 400-level courses in the major must be earned on this campus.

## Required Minor

The geology major (BS) requires completion of a minor.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

Prerequisites for all GEO courses must be passed with a minimum grade of C-.

Geologists have broad career options. Common fields of employment include environmental assessment and remediation, water resources,

geotechnical consulting, energy, earth materials, hazard assessments, academic research, and education. Some examples of employers would be environmental and geotechnical firms, energy and mining companies, public utilities, building material suppliers, and state and federal government.

## Types of Jobs Accepted

Majors graduate to become geochemists, hydrogeologists, geophysicists, petroleum geologists, resource exploration geologists, hazard assessors, environmental regulators, geotechnical engineers, environmental lawyers, and consultants. Some graduates become Licensed Public Geologists.

## Jobs of Experienced Alumni

Alumni hold an impressive array of jobs as leaders of national and international energy corporations, environmental and geotechnical firms, and mining and materials production companies. Several majors became entrepreneurs and founded companies focused on geotechnical consulting, energy exploration, environmental remediation and other key industries. Others conduct research at universities, national laboratories, museums, state and U.S. Geological Survey offices, and other government agencies including NASA, the Department of Energy, the Department of the Interior, and the Environmental Protection Agency to name a few.

Learn more about opportunities in this field at the Career Center

## Geology, BSG

Geology often draws students with interests in the outdoors, travel, concern for environmental and energy issues and those pursuing careers in geosciences-related industries. Geology applies chemistry, physics, mathematics and sometimes biology to understanding earth processes, so students take a broad array of ancillary science classes. Additionally, majors train in the specialized laboratory and field skills required by professional geologists.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The Department supports two student chapters of professional organizations, the American Institute of Professional Geologists and the American Association of Petroleum Geologists, both of which offer frequent career-development opportunities. The Department also hosts the Geology Club and a chapter of Sigma Gamma Epsilon, the national honor society for Earth Sciences, in which students participate in educational, social, and community service activities, often including field trips. All undergraduates are strongly encouraged to conduct laboratory and field research under the direction of faculty and earn course credit through internships working with professional geoscientists.

Students earning the bachelor of science in geology degree (BSG) must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, and other sufficient credits to total 128 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
GEO 101 The Dynamic Earth	4
GEO 102 The Earth Through Time	4
GEO 210 Mineralogy	4
GEO 314 Ign. & Meta. Petrology	4
GEO 365 Structural Geology	3
GEO 367 Sedimentology/Stratigraphy	4
GEO 495 Field Geology	6
Select two of the following:	6
GEO 355 Invertebrate Paleontology	
GEO 369 Introduction Geophysics	
GEO 470 Introduction to Geochemistry	
GEO electives	10
Credit Hours Subtotal:	45
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the major GPA. This major requires successful completion of the following courses outside the major:	
CH 101 or General Chemistry	4
CH 117 Honors General Chemistry	
CH 102 or General Chemistry	4
CH 118 Honors General Chemistry	
Select one of the following:	4
PH 101 General Physics I	
PH 105 General Physics W/Calc I	
PH 125 Honors Gen Ph W/Calculus	
Select one of the following:	4
PH 102 General Physics II	
PH 106 General Physics W/Calc II	
PH 126 Honors Gen Ph W/Calculus II	
MATH 125 or Calculus I	4
MATH 145 Honors Calculus I	
MATH 126 or Calculus II	4
MATH 146 Honors Calculus II	
Credit Hours Subtotal:	24
<b>Total Hours</b>	<b>69</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations. All GEO courses must be passed with a minimum grade of C-.

## Upper-level Residency

A minimum of 12 hours of 300- or 400-level courses in the major must be earned on this campus.

## Required Minor

The major in geology for the BSG degree does not require a minor.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must

meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

Prerequisites for all GEO courses must be passed with a minimum grade of C-.

Geologists have broad career options. Common fields of employment include environmental assessment and remediation, water resources, geotechnical consulting, energy, earth materials, hazard assessments, academic research, and education. Some examples of employers would be environmental and geotechnical firms, energy and mining companies, public utilities, building material suppliers, and state and federal government.

## Types of Jobs Accepted

Majors graduate to become geochemists, hydrogeologists, geophysicists, petroleum geologists, resource exploration geologists, hazard assessors, environmental regulators, geotechnical engineers, environmental lawyers, and consultants. Some graduates become Licensed Public Geologists.

## Jobs of Experienced Alumni

Alumni hold an impressive array of jobs as leaders of national and international energy corporations, environmental and geotechnical firms, and mining and materials production companies. Several majors became entrepreneurs and founded companies focused on geotechnical consulting, energy exploration, environmental remediation, and other key industries. Others conduct research at universities, national laboratories, museums, state and U.S. Geological Survey offices, and other government agencies including NASA, the Department of Energy, the Department of the Interior, and the Environmental Protection Agency to name a few.

Learn more about opportunities in this field at the Career Center

## Geology, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
GEO 101 The Dynamic Earth	4
GEO 102 The Earth Through Time	4
Credit Hours Subtotal:	8
<b>Electives</b>	
GEO electives 300 or 400 level	6
GEO electives	4
Credit Hours Subtotal:	10
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be completed on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Department of History

The department of history offers a bachelor of arts (BA) degree and a minor in history, as well as departmental honors to those who qualify for this program.

- Major
  - History, BA (p. 477)
- Minors
  - History (p. 480)
- 

### Chair and Professor

- Rothman, Joshua

### Director of Graduate Studies in History

- Riches, Daniel L.

### Director, Undergraduate Studies in History

- Margaret Peacock

### Director of the Frances S. Summersell Center for the Study of the South

- Giggie, John

### Charles G. Summersell Chair in Southern History

- Gordon, Lesley

### Professors

- Beeler, John F.
- Frederickson, Kari
- Gordon, Lesley
- Huebner, Andrew
- Lindquist-Dorr, Lisa
- Rothman, Joshua

### Associate Professors

- Abruzzo, Margaret N.
- Bunker, Steven B.
- Cribelli, Teresa
- Giggie, John
- Green, Sharony
- Grout, Holly
- Kopelson, Heather
- Mixson, Jimmy
- Peacock, Margaret

- Peterson, Erik
- Riches, Daniel L.
- Selesky, Harold E.
- Shaw, Jenny
- Steinbock-Pratt, Sarah
- Wasserman, Ian Janek

### Assistant professors

- Brock, Julia
- Cappello, Lawrence
- Kaufman, Lucy
- Lockwood, Matthew
- Luo, Di
- Ponce-Vazquez, Juan

### Professors emeriti

- Kohl, Lawrence F.
- Rable, George
- Jones, Howard
- Clayton, Lawrence A.
- Mendle, Michael
- Freyer, Tony A.
- McClure, George W.

### HY101 Western Civ To 1648

*HI*

Hours 3

A history of Western civilization from its origins in Greece and Rome through the Middle Ages, the Renaissance and Reformation, and the age of discovery and expansion during the emergence of modern Europe. Usually offered in the summer session.

History

### HY102 Western Civ Since 1648

*HI*

Hours 3

Covers the development of the Western world from the Thirty Years' War to the post-World War II era: the age of absolutism, the Enlightenment, the French Revolution, industrialization and the wars of the 20th century. Usually offered in the summer session.

History

[View All Courses](#)

## Faculty

### Chair and Professor

Rothman, Joshua

### Director of Graduate Studies in History

Riches, Daniel L.

### Director, Undergraduate Studies in History

Margaret Peacock

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Selesky, Harold E.

Shaw, Jenny

Steinbock-Pratt, Sarah

Wasserman, Ian Janek

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Brock, Julia

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Luo, Di

Ponce-Vazquez, Juan

**Professors emeriti**

Kohl, Lawrence F.

Rable, George

Jones, Howard

Clayton, Lawrence A.

Mendle, Michael

Freyer, Tony A.

McClure, George W.

## History, BA

Students who major in history explore the people, institutions, and cultures of those who came before us. The study of the past is deeply connected to the present, and it gives students powerful tools for understanding and engaging a wide range of modern issues, debates, and questions. Moreover, studying history teaches valuable practical skills

—critical, argumentation, writing, and more—that lead to success in a variety of career fields.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The Department of History offers a range of opportunities for undergraduate research, including a capstone research seminar. We offer a seminar and internships in public history, a student leadership program (the Peer Mentors), a study-abroad program (UA at Oxford), and a range of scholarships. The department also sponsors a History Club that is open to all students, as well as a chapter of Phi Alpha Theta, the national history honorary society.

Students earning the bachelor of arts (BA) degree with a major in history must complete all University, College and departmental degree requirements. Students can take a selection of the following courses in order to fulfill the requirements for the history major. In addition, students must fulfill all general education requirements, as well as requirements for an approved minor and other sufficient credits for a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
Majors must take 9 hours in the following introductory surveys; must consist of one sequence, and include at least 3 hours from HY 101-108 and 3 hours from HY 111-118:	9
HY 101 Western Civ To 1648	
HY 102 Western Civ Since 1648	
HY 103 American Civilization to 1865	
HY 104 Am Civ Since 1865	
HY 105 Honors West Civ To 1648	
HY 106 Honors West Civ Sc 1648	
HY 107 Honors Am Civ to 1865	
HY 108 Honors Am Civ Sc 1865	
HY 111 Colonial Latin America	
HY 112 Modern Latin Am Since 1808	
HY 113 Asian Civilization to 1400	
HY 114 Modern Asia since 1400	
HY 115 Science/Medicine to 1800	
HY 116 Science/Medicine Since 1800	
HY 117 World History to 1500	
HY 118 World History Since 1500	
Credit Hours Subtotal:	9
<b>Field Requirement</b>	
Select three hours from each field (see below)	12
Credit Hours Subtotal:	12
<b>Electives</b>	
Students must take 9 hours of electives. Electives can come from any of the Field-specific courses (listed below) as well as courses that have no geographic specialization, like HY201 (Legal History Experiential Learning), HY301 (Independent Study), HY 302 (History Mentoring), and HY 440 (Public History Internship).	9
Credit Hours Subtotal:	9

HY 497 Capstone Research Seminar <sup>1</sup> 3

This course is equivalent to the course formerly numbered HY430. Students who previously took HY430 will receive credit for completing the Capstone requirement and should not take HY497. Students cannot take HY430 and HY497 for separate credit. This courses is open to History Majors only.

**Total Hours** 33

#### Footnotes

<sup>1</sup> A minimum grade of C is required to receive credit for HY497 (Capstone Research Seminar). Students who complete a history honors thesis (HY499) are exempt from this requirement.

## Fields

A minimum of 3 hours from each of the following fields must be completed for a total of 12 hours.

Field 1: United States History

Code and Title	Hours
HY 201 Legal History Field Experience	1
HY 225 Hy Alabama To 1865	3
HY 226 Hy Alabama From 1865	3
HY 295 Us Naval History	3
HY 306 Topics in American History	3
HY 308 Colonial America	3
HY 309 Great Cases - US Legal History	3
HY 311 Antebellum America	3
HY 313 American South Since 1865	3
HY 315 The Civil War	3
HY 316 Life & Legend Abraham Lincoln	3
HY 317 America at War 1916-2016	3
HY 318 U S Since 1945	3
HY 319 19th Century Black History	3
HY 322 US / Age of Franklin Roosevelt	3
HY 323 Us Constitut Hy to 1877	3
HY 324 Us Constitut Hy sc 1877	3
HY 325 Us-World Power to 1898	3
HY 327 Women in Early America	3
HY 328 United States of War	3
HY 329 American Religious HY to 1870	3
HY 330 Civil Rights Movement	3
HY 332 Native American History	3
HY 335 Handmade Nation: Knitting and History	3
HY 336 U.S. Disability History	3
HY 337 Foodways in American History	3
HY 339 Race & Injustice in the South	3
HY 340 Early Material Culture	3
HY 341 Hy US - Vietnam War	3
HY 342 US from WWI to WWII	3
HY 345 Race and Science	3
HY 347 Material Culture Early America	3
HY 350 Sexual Revolutions in Am Hist.	3
HY 351 The First Amendment	3
HY 352 The Right to Privacy	3

HY 353 Digital History	3
HY 354 Southern Queer History	3
HY 401 History of History	3
HY 406 Topics in American History	3
HY 409 Amer Rev/New Nation	3
HY 411 Comp. Slavery & Emancipation	3
HY 414 Morality-SocialChange-America	3
HY 415 Sinners & Saints in America	3
HY 418 Slavery, Freedom, & Authority	3
HY 419 Alabama Memories	3
HY 424 American Thought Before 1860	3
HY 432 Beyond Pocahontas	3
HY 439 Foundations in Public History	3
HY 441 Oral History	3
HY 460 The Warren Court	3
HY 461 History of Slavery in Law	3
HY 480 Survey of Military History	3

## Field 2: European History

Code and Title	Hours
HY 305 Topics in European History	3
HY 346 Epidemics! A History of Medicine	3
HY 349 History of France 1760-present	3
HY 355 German History Sc 1740	3
HY 356 Holocaust: History, Memory	3
HY 357 World War I	3
HY 358 World War II	3
HY 361 Russia to 1894	3
HY 362 Russia-Soviet Union since 1894	3
HY 364 Christianity Discontents	3
HY 365 European Consumer Society	3
HY 366 Modern Britain, 1700-2015	3
HY 367 Honors Mod Britain, 1700-2015	3
HY 382 Early Modern Britain	3
HY 383 Honors Early Modern Britain	3
HY 385 History Of Greece	3
HY 386 History Of Rome	3
HY 388 The Crusades	3
HY 391 Medieval Britain	3
HY 392 Honors Medieval Britain	3
HY 393 British Emp & Commonwealth	3
HY 401 History of History	3
HY 405 Topics in European History	3
HY 442 The Middle Ages	3
HY 443 Renaissance	3
HY 444 Reform & Counter-Reformation	3
HY 446 Age of Reason 1715-89	3
HY 448 Women in Europe since 1750	3
HY 455 The Darwinian Revolution	3
HY 457 The Russian Revolution	3
HY 462 French Legal History	3
HY 481 War/Dipl. in Med & Mod. Europe	3
HY 482 War & Religion in the West	3

HY 483	Thirty Years' War	3
HY 490	England under Tudors	3
HY 491	England under Stuarts	3
HY 494	Britain in the Victorian Age	3
HY 495	Honors Britain Victorian Age	3

### Field 3: African, Asian or Latin American History

Code and Title	Hours	
HY 307	Special World Topics	3
HY 338	Contemporary China 1921-2000	3
HY 348	The History of Games	3
HY 368	Caribbean History Since 1492	3
HY 370	A history of the Atlantic World, 1400-1800	3
HY 371	History of Brazil	3
HY 372	Hist Brazil though Film	3
HY 373	Enviro History of Americas	3
HY 374	The History of Pirates	3
HY 377	Mexico since 1810	3
HY 378	Drugs, Booze, and Mexican Society	3
HY 379	History of Modern Argentina	3
HY 384	Ancient Egypt Near East	3
HY 404	Modern China since 1600	3
HY 411	Comp. Slavery & Emancipation	3
HY 472	Latin American Seminar	3
HY 473	Indians, Nuns, & Rogues	3
HY 474	Relation US Latin Amer	3
HY 477	Imperial Spain's "Golden Age"	3
HY 478	Spanish Conquest of Americas	3

### Field 4: Hidden Histories

Code and Title	Hours	
HY 311	Antebellum America	3
HY 319	19th Century Black History	3
HY 327	Women in Early America	3
HY 330	Civil Rights Movement	3
HY 332	Native American History	3
HY 336	U.S. Disability History	3
HY 339	Race & Injustice in the South	3
HY 345	Race and Science	3
HY 350	Sexual Revolutions in Am Hist.	3
HY 356	Holocaust: History, Memory	3
HY 368	Caribbean History Since 1492	3
HY 411	Comp. Slavery & Emancipation	3
HY 414	Morality-SocialChange-America	3
HY 418	Slavery, Freedom, & Authority	3
HY 419	Alabama Memories	3
HY 423	North American Borderlands	3
HY 448	Women in Europe since 1750	3
HY 461	History of Slavery in Law	3
HY 473	Indians, Nuns, & Rogues	3
HY 478	Spanish Conquest of Americas	3

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-Level Requirement

Majors must take 15 hours of upper-level courses (300 or higher).

## Residency Requirement

Majors must take a minimum of 12 credits of upper-level courses (300 or higher) in residence at UA.

## Ancillary Courses

The history major does not require ancillary courses. However, it is recommended that students, especially those considering graduate work in history, study at least one foreign language.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, college and University requirements.

## Prerequisites

There are no prerequisites for any HY courses. The Capstone History course, HY497, is open to History Majors only.

## Honors Program

The history honors program is open to history majors who have a cumulative GPA of at least 3.0, a 3.3 GPA or above in History, and at least 12 hours of HY courses completed. The program requires six hours of honors work: HY 497 Capstone Research Seminar followed by HY 499 Honors Thesis II OR HY 498 Honors Thesis I followed by HY 499 Honors Thesis II. Both options must be completed under the direction of a tenured or tenure-track member of the department. Students who complete a History Honors thesis by taking the combination of HY 498 and HY 499 are exempt from having to take the HY 497 Capstone Research Seminar. Students wishing to complete an Honors thesis must secure approval from their faculty honors advisor before embarking on this process. In order to graduate with honors in history, students must have a cumulative GPA of at least 3.0, a 3.3 GPA or above in history, and satisfactory completion of a thesis judged to merit an honors designation.

## Public History Concentration

Requirements:

1. Students must complete a total of 12 credit hours from an approved course list (included below).
2. Students must be History majors to pursue a concentration in public history.

Students do not have to take HY 439 or HY 440 prior to taking other courses in the concentration, but the courses are required to complete the concentration. All students must take 6 hours in electives for the

Public History concentration. The list below represents the types of course electives offered in any given semester that would count toward the Public History concentration. A student's choice of electives must be approved by the concentration director; the student and concentration director will work to identify the course electives that best support student interest and career goals.

Code and Title	Hours
<b>Required Courses</b>	
HY 440 Public History Internship	3
HY 439 Foundations in Public History	3
<b>Elective Courses</b>	
6	
At least 3 hours must come from a different field of study	
AC 456 Government & Nonprofit Accounting	
AMS 341 African American Art	
AMS 407 Landscapes of the South	
ANT 107 Intro to Archaeology	
ANT 368 Southeastern Archaeology	
ANT 421 Ethnography	
ANT 445 Historical Archaeology	
ANT 460 Anthropology and Museums	
ART 130 2D Design	
GY 377 Cultural Geography	
GY 410 National Parks	
GY 430 Intro Geographic Info Systems	
HY 311 Antebellum America	
HY 441 Oral History	
NEW 230 Environmental Studies	
NEW 273 Social Issues & Ethics	
NEW 365 Environmental Policy	
NEW 436 Public Leadership	
<b>Total Hours</b>	<b>12</b>

## Legal History Concentration

Requirements:

1. students must complete a minimum of 12 credit hours from the approved courses list (see below), 3 credit hours of which must come from the required foundational course HY 309 Great Cases - US Legal History
2. students must *also* complete a 1 credit hour experiential learning course HY 201 Legal History Field Experience designed to breed a culture of engagement between students and the many legal-themed organizations operating on campus and in the surrounding area
3. students must be History majors to receive credit for the concentration

Note: The concentration is designed to "fit inside" the existing major – completed courses will also count towards students' completion of the larger History major. With proper planning and advisement the concentration *will not* require students to take courses beyond the standard 120 credit model nor inhibit students from completing their degrees on time. All students will be required to meet with the concentration's director at least once for guidance on how best to navigate the concentration efficiently.

<b>Required Foundational Course</b>		<b>Hours</b>
<b>Required Foundational Courses</b>		
HY 309	Great Cases - US Legal History	3
HY 201	Legal History Field Experience	1
<b>Elective Courses</b>		<b>8</b>
HY 323	Us Constitut Hy to 1877	
HY 324	Us Constitut Hy sc 1877	
HY 330	Civil Rights Movement	
HY 332	Native American History	
HY 351	The First Amendment	
HY 352	The Right to Privacy	
HY 361	Russia to 1894	
HY 419	Alabama Memories	
HY 460	The Warren Court	
HY 461	History of Slavery in Law	
HY 462	French Legal History	
HY 491	England under Stuarts	
<b>Total Hours</b>		<b>12</b>

**Regarding Prerequisites:** Students *do not* have to take HY 309 or HY 201 prior to taking other courses in the concentration, but the courses *are* required to complete the concentration. No other prerequisites are required.

## Types of Jobs Accepted

Majoring in history prepares students for fulfilling careers in diverse fields. Though many of our graduates decide to pursue lives of scholarship and teaching, others go into law, public history and museum studies, public policy, journalism, publishing or business. A recent survey suggests that nearly 90% of our 2016 graduates are employed soon after graduation – a rate commensurate with that of the College of Arts and Sciences as a whole. Whatever your chosen field, the communication, writing, researching and critical thinking skills acquired as a history major will be in high demand in the modern workforce.

## Jobs of Experienced Alumni

People holding degrees in history from the University of Alabama teach in schools and colleges around the country. They have served in government at all levels, from the Tuscaloosa city council to the U.S. House of Representatives, the U.S. Senate and the Alabama Supreme Court. They are museum curators and directors, newspaper and television journalists, national real-estate brokers, attorneys and business men and women with MBAs, some of whom have become CEOs of major corporations. If you can think of a career, history can help get you there and make you a great success.

Learn more about opportunities in this field at the Career Center

## History, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
Select 6 hours of introductory courses:	6



HY 101	Western Civ To 1648	
HY 102	Western Civ Since 1648	
HY 103	American Civilization to 1865	
HY 104	Am Civ Since 1865	
HY 105	Honors West Civ To 1648	
HY 106	Honors West Civ Sc 1648	
HY 107	Honors Am Civ to 1865	
HY 108	Honors Am Civ Sc 1865	
HY 111	Colonial Latin America	
HY 112	Modern Latin Am Since 1808	
HY 113	Asian Civilization to 1400	
HY 114	Modern Asia since 1400	
HY 115	Science/Medicine to 1800	
HY 116	Science/Medicine Since 1800	
HY 117	World History to 1500	
HY 118	World History Since 1500	
	Credit Hours Subtotal:	6
<b>Electives</b>		
Select nine hours of HY electives 300 or 400 level		9
Select six hours of HY electives		6
	Credit Hours Subtotal:	15
<b>Total Hours</b>		<b>21</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of nine hours of 300- and 400-level courses in this minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

History 200-, 300- and 400-level courses are open to all students of sophomore standing or higher.

## Department of Mathematics

The Department of Mathematics offers a major in mathematics that culminates in a bachelor of science (BS) degree. The department also offers minors in mathematics and mathematical statistics, as well as mathematics education in the College of Education.

- Major
  - Mathematics, BS (p. 484)
- Minors

- Mathematics (p. 486)
- Mathematical Statistics (p. 483)
- Mathematics Education (p. 484)

### Chair

- Cruz-Uribe, David

### Undergraduate Director

- Roberts, Lawrence

### Professors

- Corson, Jon M.
- Cruz-Uribe, David
- Dixon, Martyn R.
- Evans, Martin
- Gleason, Jim
- Hadji, Layachi
- Halpern, David C. M. J.
- Sidje, Roger
- Sun, Min
- Zhao, Shan
- Zhu, Wei

### Associate Professors

- Chen, Yuhui
- Dai, Shibin
- Ferguson, Timothy
- Lee, Kyungyong
- Moen, Kabe
- Roberts, Lawrence
- Trace, Bruce S.

### Assistant Professors

- Ames, Brendan
- Bortz, Simon
- Hocutt, Jeramiah
- Makowski, Martha
- Nguyen, Hai-Dang
- Rasoulzadeh, Mojdeh
- Shao, Yuanzhen
- Sun, Zheng
- Toro-Rodriguez, Roberto
- Tosun, Bulent
- Wang, Chuntian
- Watley, Laura Erin

### Instructors

- Boxmeyer, John
- Chambless, Jil
- Chen, Mengpu
- Jackson, Nathan
- Midkiff, Usha
- Nichols, Katherine
- Ponta, Aurora
- Sartor, Jeff

- Song, Yuanyuan
- Steiner, Camille

**MATH110 Finite Mathematics***MA*

Hours 3

This course is intended to give an overview of topics in finite mathematics with applications. This course covers mathematics of finance, logic, set theory, elementary probability and statistics. This course does not provide sufficient background for students who will need to take Precalculus Algebra or Calculus.

Prerequisite(s): UA Math Placement Test Score of 190-600 or ACT Math Subscore of 18 or old SAT Math Subscore of 440 or new SAT Math Subscore of 480 or a C- or higher in MATH 100

Mathematics

**MATH112 Precalculus Algebra***MA*

Hours 3

A higher-level course emphasizing functions including polynomial functions, rational functions, and the exponential and logarithmic functions. Graphs of these functions are stressed. The course also includes work on equations, inequalities, systems of equations, the binomial theorem, and the complex and rational roots of polynomials. Applications are stressed. Grades are reported as A, B, C or NC (No Credit). Degree credit will not be granted for both MATH 115 and (MATH 112 or MATH 113).

Prerequisite(s): UA Math Placement Test Score of 310-439 or ACT Math Subscore of 24 or old SAT Math Subscore of 560 or new SAT Math Subscore of 580 or C- or higher in MATH 100

Mathematics

**MATH115 Precalc Algebra & Trig***MA*

Hours 3

Properties and graphs of exponential, logarithmic, and trigonometric functions are emphasized. Also includes trigonometric identities, polynomial and rational functions, inequalities, systems of equations, vectors, and polar coordinates. Grades are reported as A, B, C, or NC (No credit). Degree credit will not be granted for both MATH 115 and (MATH 112 or MATH 113).

Prerequisite(s): UA Math Placement Test Score of 370-439 or ACT Math Subscore of 28 or old SAT Math Subscore of 630 or new SAT Math Subscore of 650

Mathematics

**MATH121 Calculus & Applications***MA*

Hours 3

A brief overview of calculus primarily for students in the Culverhouse College of Commerce and Business Administration. This course does not provide sufficient background for students who will need higher levels of Calculus. Note: This course does not satisfy the requirement for MATH 125 or 126. Degree credit will not be granted for both MATH 121 and MATH 125 or MATH 145.

Prerequisite(s): UA Math Placement Test Score of 440-600 or ACT Math Subscore of 30 or old SAT Math Subscore of 680 or new SAT Math Subscore of 710 or a C- or higher in MATH 112 or MATH 115.

Mathematics

**MATH125 Calculus I***MA*

Hours 4

This is the first of three courses in the basic calculus sequence. Topics include the limit of a function; the derivative of algebraic, trigonometric, exponential, and logarithmic functions; and the definite integral. Applications of the derivative are covered in detail, including approximations of error using differentials, maxima and minima problems, and curve sketching using calculus. There is also a brief review of selected precalculus topics at the beginning of the course. Degree credit will not be granted for both MATH 121 and MATH 125 or MATH 145.

Prerequisite(s): C- or higher in MATH 113 and C- or higher in MATH 112; or C- or higher in MATH 115

Mathematics

**MATH145 Honors Calculus I***MA, UH*

Hours 4

This course covers the same material as MATH 125 but in a depth appropriate for honors students. It is the first course in the three part honors calculus sequence for students majoring in mathematics, science or engineering. Topics include limits, continuity, differentiation, applications of differentiation, and integration. Applications of the derivative are covered in detail, including approximation of errors using differentials, maxima and minima problems, curve sketching, optimization problems, and Newton's method. Topics on integration include Riemann sums, properties of definite integrals, integration by substitution and integrals involving logarithmic exponential and trigonometric functions.

Prerequisite(s): ACT Math Subscore of 32 or old SAT Math Subscore of 730 or new SAT Math Subscore of 760 or a B- or higher in (MATH 112 and MATH 113) or MATH 115

Mathematics, University Honors

**MATH126 Calculus II**

MA

Hours 4

This is the second of three courses in the basic calculus sequence. Topics include vectors and the geometry of space, applications of integration, integration techniques, L'Hopital's Rule, improper integrals, parametric equations, polar coordinates, conic sections and infinite series.

Prerequisite(s): C- or higher in MATH 125 or C- or higher in MATH 145

Mathematics

**MATH146 Honors Calculus II**

MA, UH

Hours 4

This course covers the same material as MATH 126 but in a depth appropriate for honors students. It is the second course in the three part honors calculus sequence for students majoring in mathematics, science or engineering. Topics include vectors and the geometry of space, L'Hospital's Rule, applications of integration, integration techniques, improper integrals, infinite series, conic sections, plane curves, parametric equations, and polar coordinates.

Prerequisite(s): A grade of B- or higher in MATH 125 or MATH 145 or a score of 4 or 5 on AP Calculus AB or a score of 4 or 5 on AP Calculus BC: AB Subscore.

Mathematics, University Honors

View All Courses

**Faculty****Chair**

Cruz-Uribe, David

**Undergraduate Director**

Roberts, Lawrence

**Professors**

Corson, Jon M.

Cruz-Uribe, David

Dixon, Martyn R.

Evans, Martin

Gleason, Jim

Hadji, Layachi

Halpern, David C. M. J.

Sidje, Roger

Sun, Min

Zhao, Shan

Zhu, Wei

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Dai, Shibin

Ferguson, Timothy

Lee, Kyungyong

Moen, Kabe

Roberts, Lawrence

Trace, Bruce S.

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Bortz, Simon

Hocutt, Jeramiah

Makowski, Martha

Nguyen, Hai-Dang

Rasoulzadeh, Mojdeh

Shao, Yuanzhen

Sun, Zheng

Toro-Rodriguez, Roberto

Tosun, Bulent

Wang, Chuntian

Watley, Laura Erin

**Instructors**

Boxmeyer, John

Chambless, Jil

Chen, Mengpu

Jackson, Nathan

Midkiff, Usha

Nichols, Katherine

Ponta, Aurora

Sartor, Jeff

Song, Yuanyuan

Steiner, Camille

**Mathematical Statistics, Minor****Admission into the Minor**

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
MATH 125 or Calculus I	4
MATH 145 Honors Calculus I	
MATH 126 or Calculus II	4
MATH 146 Honors Calculus II	
MATH 227 or Calculus III	4
MATH 247 Honors Calculus III	
MATH 237 Introduction to Linear Algebra	3
MATH 355 Theory Of Probability	3
MATH 451 Math Stats W/Applictn I	3
<b>Total Hours</b>	<b>21</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Mathematics Education, Minor

A minor in mathematics education is available to students pursuing the mathematics major. The mathematics education major does not lead to a teaching certification. Successful completion of the minor provides necessary foundation coursework for admission to the alternative master's degree program in the College of Education that leads to Alabama Class A professional educator certification in secondary education mathematics.

Enrollment in the mathematics education minor is limited and requires students to take courses in a specified sequence. In addition, students must complete requirements for the Teacher Education Program (TEP) during the second semester of the junior year. These requirements include a cumulative GPA of 2.75, at least a 2.75 GPA in the teaching field, and passing scores on all sections of the *Praxis* Core Academic Skills for Educators Tests (mathematics, reading, and writing). [NOTE: Individuals who earned passing scores on all three components of the previously accepted Basic Skills assessment prior to September 1, 2017, may use those scores prior to September 1, 2022.] Information about the *Praxis* Core Tests can be found online at [https://www.ets.org/praxis/register/centers\\_dates](https://www.ets.org/praxis/register/centers_dates).

## Admission into the Minor

To be eligible for the mathematics education minor, a student must major in mathematics. Students are expected to formally declare this minor through the College of Education.

A minor in mathematics education is available to students pursuing the mathematics major. The mathematics major does not lead to a teaching certification. Successful completion of the minor provides foundation coursework necessary for admission to the alternative master's degree program in the College of Education that leads to Alabama Class A professional educator certification in secondary education mathematics.

Enrollment in the mathematics education minor is limited and requires students to take courses in a specified sequence. In addition, students must complete requirements for the Teacher Education Program (TEP) during the second semester of the junior year. These requirements include a cumulative GPA of 2.75, at least a 2.75 GPA in the teaching field, and passing scores on all sections of the *Praxis* Core Academic

Skills for Educators Tests (mathematics, reading, and writing). [NOTE: Individuals who earned passing scores on all three components of the previously accepted Basic Skills assessment prior to September 1, 2017, may use those scores prior to September 1, 2022.] Information about the *Praxis* Core Tests can be found online at [https://www.ets.org/praxis/register/centers\\_dates](https://www.ets.org/praxis/register/centers_dates).

Code and Title	Hours
<b>Minor Courses</b>	
EDU 200 Orient to Teacher Education	1
SPE 300 Survey Spe Accomd Stratg	3
BEP 360 Social Psychol Foundtns Educ	3
CSE 390 Instructn Accomd Sec Sch	3
CSE 401 Tech for Teaching Sec. Math	3
CSE 406 Curriculum Secondary Math	3
CSE 493 Diversity Block Seminar	1
<b>Total Hours</b>	<b>17</b>

## Grade Point Average

A 2.75 grade point average in the minor is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

All required courses in the Mathematics Education Minor must be completed at UA. Professional coursework will not transfer as satisfying these minor requirements.

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Mathematics, BS

Students in mathematics have a wide variety of interests. They generally have strong logical, analytical, and computational skills.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students may declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

Mathematics majors can complete a second major in computer science, electrical engineering, economics, or finance, among others. On-campus employment as a math tutor in the Mathematics Technology Learning Center or as a grader in the Department of Mathematics is available to qualified undergraduate mathematics majors. Research experiences are possible for advanced undergraduate students (<http://undergraduateresearch.ua.edu/>). The University of Alabama also has a chapter of Pi Mu Epsilon, a national mathematics honor society. The Department of Mathematics participates in the Accelerated Masters Program, allowing highly motivated students to pursue closely integrated

undergraduate and graduate programs that may lead to the simultaneous completion of requirements for both master's and bachelor's degrees. Students usually apply for admission prior to the junior or senior year. For more information about the Accelerated Masters Program, visit [graduate.ua.edu](http://graduate.ua.edu) or consult the University of Alabama Graduate Catalog.

## Major in Mathematics Requirements

Students earning the bachelor of science (BS) degree with a major in mathematics must complete all University, College and Departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Core Courses</b>	
MATH 125 or Calculus I	4
MATH 145 Honors Calculus I	
MATH 126 or Calculus II	4
MATH 146 Honors Calculus II	
MATH 227 or Calculus III	4
MATH 247 Honors Calculus III	
MATH 237 Introduction to Linear Algebra	3
MATH 238 Appld Diff Equations I	3
<b>Students must complete one of the following sequences.</b>	<b>6</b>
MATH 403 Algebra: Secondary Teachers & MATH 404 and Geometry: Secondary Teachers	
MATH 410 Numerical Linear Algebra & MATH 411 and Numerical Analysis I	
MATH 420 Linear Optimization Theory & MATH 421 and Non-Linear Optimization Theory	
MATH 343 Appl Diff Equations II & MATH 441 and Boundary Value Problems	
MATH 355 Theory Of Probability & MATH 451 and Math Stats W/Applictn I	
MATH 470 Prin Modern Algebra I & MATH 471 and Prin Modern Algebra II	
MATH 486 Real Analysis I & MATH 487 and Intro to Real Analysis II	
<b>Electives</b>	
Select 12 additional hours of MATH electives at or above 300.	12
Credit Hours Subtotal:	36
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the major GPA. The major in mathematics for all tracks requires the successful completion of one of the following courses outside the major:	
Select one of the following:	2-6
CS 100 CS I for Majors	
CS 110 Honors CS I for Majors	
CS 104 Computer Science Principles	
AEM 249 Algorithm Devl Implementation	
EC 413 Econ Forecasting & Analysis & FI 389 and Financial Analysis & Modeling	
RRS 101 RRS Freshman I	
MIS 221 Business Programming I	

ST 440 Stat Prog & Comp with R	Total Hours
	38-42

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- or 400-level courses in the major must be earned on this campus.

## Required Minor

The mathematics major requires the completion of a minor or a second major.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Optional Major Concentrations

Students who wish to enhance their knowledge in a particular area of study within the mathematical sciences may elect to organize their coursework around the four concentrations listed below. Though not required, these concentrations allow the students to develop an area of specialization within the major and would be part of their required upper division sequence and/or electives listed in the major.

### Applied Mathematics Concentration

Code and Title	Hours
MATH 355 Theory Of Probability	3
MATH 485 Intro Complex Variables	3
Complete one of the following sequences:	6
MATH 343 Appl Diff Equations II & MATH 441 and Boundary Value Problems	
MATH 410 Numerical Linear Algebra & MATH 411 and Numerical Analysis I	
MATH 411 Numerical Analysis I & MATH 412 and Numerical Analysis II	
MATH 420 Linear Optimization Theory & MATH 421 and Non-Linear Optimization Theory	

**Total Hours** 12

### Pure Mathematics Concentration

Code and Title	Hours
MATH 470 Prin Modern Algebra I	3
MATH 486 Real Analysis I	3
Choose one from the following:	3
MATH 460 Intro Differential Geom	
MATH 465 Intro General Topology	
Choose one from the following:	3
MATH 371 Advanced Linear Algebra	
MATH 471 Prin Modern Algebra II	

## MATH 487 Intro to Real Analysis II

<b>Total Hours</b>	<b>12</b>
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### Mathematics Education Concentration

*This concentration is open to all students and should be followed by those planning to enter the teaching profession in the future. Please note that this concentration does not lead to teacher certification. Students interested in earning teacher certification must be admitted through the College of Education. For more information, visit here (p. 621).*

Code and Title	Hours
MATH 355 Theory Of Probability	3
MATH 403 Algebra: Secondary Teachers	3
MATH 405 Geometry: Secondary Teachers	3
MATH 409 Data Analysis: Sec Teachers	3
<b>Total Hours</b>	<b>12</b>

### Statistics and Optimization Concentration

Code and Title	Hours
<b>Choose four from the following:</b>	<b>12</b>
MATH 420 Linear Optimization Theory	
MATH 421 Non-Linear Optimization Theory	
MATH 451 Math Stats W/Applictn I	
MATH 452 Math Stats W/Applictn II	
MATH 457 Stochastic Processes I	
ST 452 Applied Regression Analysis	
<b>Total Hours</b>	<b>12</b>

Any complex system can be modeled and analyzed using mathematics, which means that mathematics is a fundamental tool in essentially all careers. The ability to understand such systems has never been more important given the explosion in the availability of data in recent years, and the crucial need to make informed decisions from such data. A degree in mathematics provides an excellent opportunity to develop these skills. Moreover, careers in mathematics consistently rank highly in terms of satisfaction, income, and job prospects in national surveys.

### Types of Jobs Accepted

A strong foundation in mathematics allows students to excel in many different industries including:

- Finance
- Education
- Actuarial science
- Statistics, data science, artificial intelligence, and machine learning
- Mathematical biology and chemistry
- Petrology and geological science
- Operations research and management sciences
- Cybersecurity and cryptography
- Medicine
- Law, and many more.

A common denominator in all of these fields is the need for quantitative reasoning, creativity, and critical thinking.

### Jobs of Experienced Alumni

Graduates with a Major in Mathematics have started their careers in a number of different types of jobs and industries.

Those wanting to go into the business world work for companies in finance, actuarial science, computer programming, data analysis, engineering, banking, insurance, economics, and many other fields. These students often participate in an internship during their time at The University of Alabama and pair their major in mathematics with a second major in a different field.

Students desiring to work in the field of education have become teachers at all levels of education and many have gone on to earn their doctorates in mathematics at some of the best graduate schools in the United States.

There have also been many students who have applied their major in mathematics to work in various government agencies. Some students have gone on to work for intelligence agencies, such as the National Security Agency, while others work as data analysts for many other agencies.

Several other students have used a major in mathematics as an entry into Medical or Law school.

Learn more about opportunities in this field at the Career Center

## Mathematics, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
MATH 125 or Calculus I	4
MATH 145 Honors Calculus I	
MATH 126 or Calculus II	4
MATH 146 Honors Calculus II	
MATH 227 or Calculus III	4
MATH 247 Honors Calculus III	
MATH 237 or Introduction to Linear Algebra	3
MATH 238 Appld Diff Equations I	
Credit Hours Subtotal:	15
<b>Electives</b>	
Select six hours of MATH electives 300 level and above	6
Credit Hours Subtotal:	6
<b>Total Hours</b>	<b>21</b>

### Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

### Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

### Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Department of Modern Languages and Classics

The department of modern languages and classics offers two majors leading to the bachelor of arts (BA) degree: one in Spanish and one in foreign languages and literature. The major in foreign languages and literature offers six tracks: Classics, French, German, Italian, Latin and Greek. Also offered are minors in Arabic, Chinese, Classical Civilization, French, German, Greek, Italian, Japanese, Latin, Latin American, Caribbean, and Latino Studies, Russian and Spanish. Extensive coursework is offered in Arabic. The department of modern languages and classics also houses the Critical Languages Center. Students pursuing majors or minors in a language are strongly encouraged to take advantage of study abroad opportunities.

- Majors
  - Foreign Languages and Literature, BA (p. 489)
  - Spanish, BA (p. 496)
- Minors
  - Arabic (p. 488)
  - Chinese (p. 488)
  - Classical Civilization (p. 489)
  - French (p. 493)
  - German (p. 493)
  - Greek (p. 493)
  - Italian (p. 494)
  - Japanese (p. 494)
  - Latin (p. 496)
  - Latin American, Caribbean, and Latino Studies (p. 495)
  - Russian (p. 496)
  - Spanish (p. 498)
  -

## Critical Languages Program

Through the critical languages program, the College of Arts and Sciences offers a variety of less-commonly-taught languages (LCTL) not available at many other institutions in the USA. These languages are offered through our membership in the National Association of Self-Instructional Language Programs (NASILP). Students can take these courses to obtain practical communicative ability of the languages, or for personal interests. Some of the languages currently offered include American Sign Language, Farsi (Persian), Hebrew, Hindi, Indonesian, Korean, Portuguese (Brazilian), Swahili, Thai, Turkish and Vietnamese (subject to availability of native/near native speakers and number of students interested in).

The unique directed-self-study system consists of each student's self study using assigned textbook and visual/audio materials (CDs, DVDs or computer sound files) and required class session with a "language trainer" who is a native/near native/ (or equivalent level) speaker of the target language, to develop his or her communicative ability. The

student's language ability is evaluated at the end of the semester by a qualified professional.

During the sessions, students will actively participate using the target language. English use will be kept to a minimum in class. Language trainers will provide some measure of assessment through the semester by use of the student performance sheet reports sent to the director of the CLC and the final examiner.

## Placement into Language Courses

The course level at which students begin their study is determined by several factors, including the following: the number of high school units completed, language placement examination scores, AP score, and/or faculty evaluation/consultation. For more information, consult the College placement website, the departmental website, or an advisor.

<https://mlc.ua.edu/undergraduate/language-placement/>

### Chair and Professor

- Toman, Cheryl

### Professors

- Carvalho, Susan
- Corbalán, Ana M.
- Fox, Thomas C.
- Summers, Kirk

### Associate Professors

- Cipria, Alicia B.
- Crane, Corinne
- Drewelow, Isabelle
- Drozd, Andrew M.
- Edmunds, Bruce
- Elnaili, Safa
- Koronkiewicz, Bryan
- Lazda-Cazers, Rasma
- Lightfoot, Douglas
- Mayer, Carmen
- Moody, Sarah
- O'Rourke, Erin
- Range, Regina
- Robin, Jean Luc
- Rodeño, Ignacio F.
- Romanelli, Claudia
- Summers, Tatiana
- Worden, William

### Assistant Professors

- Feminella, Matthew
- Goethals, Jessica
- Granja, Xabier
- McKay, Micah
- Montalbano, Alessandra
- Rubio, Laura
- Stamm, Gina
- Stevens, April

**ARB101 Elementary Arabic**

FL

Hours 4

This is an introductory course to the Arabic language and is intended for those with no prior knowledge of the language.

Foreign Language

**CHI101 Elementary Chinese**

FL, HU

Hours 4

Contemporary Chinese Language (Mandarin): speaking, listening, reading and writing of simplified Chinese characters. The class meets five hours per week with an instructor. This course is intended for students with NO PRIOR KNOWLEDGE of Chinese. Native speakers or near native speakers of the language are NOT allowed to enroll. Any students with background knowledge of this language must see the program director before enrolling.

Foreign Language, Humanities

View All Courses

**Faculty****Chair and Professor**

Toman, Cheryl

**Professors**

Carvalho, Susan

Corbalán, Ana M.

Fox, Thomas C.

Summers, Kirk

**Associate Professors**

Cipria, Alicia B.

Crane, Corinne

Drewelow, Isabelle

Drozd, Andrew M.

Edmunds, Bruce

Elnaili, Safa

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**Assistant Professors**

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Goethals, Jessica

Granja, Xabier

McKay, Micah

Montalbano, Alessandra

Rubio, Laura

Stamm, Gina

Stevens, April

**Arabic, Minor**

The Arabic minor focuses on the Arabic language, literature, and culture. Students gain knowledge of the Arabic culture and literature necessary for authentic communication in the language in all sorts of contexts. The program's aim is to teach Arabic as a language and its representative cultures. This is done through courses based on language, culture, and literature that analyze elements such as folklore, media, poetry, essay, music, film, the arts, etc. One distinguishing factor of this minor is its focus on presenting the Arab world outside of the political turmoil and stereotyping associated with it, privileging instead how Arab voices interpret their own civilizations through fields in the humanities.

**Program Requirements:** The Arabic Minor requires a total of 18 credit hours at the 200 and 300 levels:

Minor Courses in Arab language and proficiency (12 credit hours to achieve advanced intermediate proficiency)

Code and Title		Hours
<b>Required Courses</b>		
ARB 201	Intermediate Arabic	3
ARB 202	Intermediate Arabic	3
ARB 301	Third-year Arabic	3
ARB 302	Advanced Arabic	3
<b>Elective Courses</b>		<b>6</b>
Electives can have language and/or humanities content.		
ARB 350	Culture in Africa/Middle East	
ARB 351	Intro to Modern Arabic Lit	
ARB 355	The Arabian Nights	
ARB 363	Women in the Arab World	
ARB 364	Diversity and Gender Roles	
<b>Total Hours</b>		<b>18</b>

In consultation with their advisor in Arabic, one but not more than two courses on the Arab world offered in other departments may be chosen to count towards the minor requirements. Courses currently in the approval process that will apply to a minor include: ARB 364 Diversity and Gender Roles.

The required/eligible courses are typically taught in the Departments of Modern Languages but other cross lists may appear later with further course development campus wide. International courses and internship courses can be reviewed and considered towards the minor. Please contact program director Dr. Safa Elnaili.

**Chinese, Minor**

200 B.B. Comer Hall



## Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
CHI 201 Intermediate Chinese	3
CHI 202 Intermediate Chinese	3
CHI 301 Third-year Chinese	3
CHI 302 Third-year Chinese	3
Select six hours of the following, and/or apply Chinese-related coursework with advisor approval:	6
CHI 270 Intro to Chinese Culture	
CHI 350 Traditional Chinese Lit Trans	
CHI 351 Modern Chinese Lit Trans	
CHI 353 Conversation/Composition	
CHI 354 Conversation/Composition	
CHI 356 Chinese Films and Society	
CHI 357 Chinese Cuisine and Heritage	
CHI 401 Advanced Chinese I	
CHI 402 Advanced Chinese II	
Credit Hours Subtotal:	18
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the minor GPA. The minor in Chinese requires the successful completion of the following courses:	
CHI 101 Elementary Chinese	4
CHI 102 Elementary Chinese	4
Credit Hours Subtotal:	8
<b>Total Hours</b>	<b>26</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Classical Civilization, Minor

The program will emphasize the history, literature, and culture of ancient Greece and Rome through courses taught in English translation. Students completing this program will have developed a deep knowledge of the ancient Greco-Roman world and its continued importance, as well as critical thinking, research, and writing skills.

Despite being thousands of years old, the civilizations of ancient Greece and Rome are ever relevant. Their gods, warriors, and monsters continue to populate our movies, art, video games, novels, and poetry. Their experiments with democratic and republican forms of government, and their political philosophy with its meditations on the nature of good government, had a profound impact on the framing of the United States Constitution. Their history continues to offer a powerful analog to the events we now experience, as we see every time a politician is compared to Julius Caesar or modern America to the latter-day Roman Empire about to fall.

The Classical Civilization Minor requires a minimum of 18 credit hours. At least 6 credits applied to the minor must be at 300-400 level and taken on campus. The required/eligible courses are typically taught in the Departments of Modern Languages and Classics, Art and Art History, Philosophy, Religious Studies, and History. A 2.0 grade point average in the minor is required.

Code and Title	Hours
<b>Required Courses</b>	
CL 222 Greek Roman Mythology	3
CL 385 History Of Greece	3
CL 386 History Of Rome	3
<b>Elective Courses</b>	
CL 300 History of the Early Church	3
CL 323 Alexander the Great, Then & Now	3
CL 333 Greek Civilization	3
CL 344 Julius Caesar	3
CL 350 Roman Religion	3
CL 365 Greece & Rome in Lit. & Film	3
CL 380 Special Topics	3
CL 450 Aristotle: How Stuff Works	3
ARH 351 Ancient Art	3
PHL 211 Ancient Philosophy	3
Greek or Latin language electives at the 100 level or above	
<b>Total Hours</b>	<b>18</b>

## Foreign Languages and Literature, BA

Students who choose one of the six tracks of the foreign languages and literature major have options in Classics, French, German, Greek, Italian, and Latin.

200 B.B. Comer Hall

## Admission into the Major

See course descriptions for information concerning appropriate placement in French, German, and Latin. Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The foreign languages and literature concentrations offer numerous opportunities for students to learn about the modern and ancient world. Students may participate in various club activities, become initiated into national honor societies, and take advantage of a variety of study-abroad programs. Students with foreign language proficiency have more opportunities open to them than students without that proficiency.

Classics students have the opportunity to take part in the Classics Honors Program. See an advisor for more information.

Students earning the bachelor of arts (BA) degree with a major in foreign languages and literature must complete all University, College and major requirements. These include the general education requirement, all major and track requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

For all tracks, a minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

If students test out of any of the courses required for the major, this does not reduce the total number of credit hours required for the major. Students must meet with an adviser in the major department for academic planning and to be cleared for registration each semester.

## Prerequisites

In addition to the stated prerequisites, all 400-level German courses have as a prerequisite 20 hours of coursework in German, or permission of the instructor.

## Course Placement

The course level at which students begin their study is determined by several factors, including the following: the number of high school units completed, language placement examination scores, AP score, and/or faculty evaluation/consultation. For more information, consult the College placement website, the departmental website, or an advisor.

<https://mlc.ua.edu/undergraduate/language-placement/>

## Credit Options

With the exception of heritage language or bilingual individuals, students placed in intermediate level courses or higher and who earn a C- or higher may be granted additional credit upon written petition. Students are encouraged to take the placement test or speak with a faculty member in order to place into the highest course level possible, as incoming students may receive up to 10 hours of additional credit (102 or 103, 201, 202).

## French

Except for heritage language or bilingual individuals, students placed in FR 201 Intermediate French or higher and who earn a grade of C- or higher in the course may be granted additional credit upon written petition:

Placement	Credit received with grade of "Pass" (C- or better)
FR 201	FR 102 (4 hours)
FR 202	FR 102 and FR 201 (7 hours)
FR 300 level	FR 102, FR 201, FR 202 (10 hours)

## German

Except for heritage language or bilingual individuals, students placed in GN 201 Intermediate German I or higher and who earn a grade of C- or higher in the course may earn additional credit upon written petition:

Placement	Credit received with grade of "Pass" (C- or better)
GN 201	GN 103 (4 hours)
GN 202	GN 103 and GN 201 (7 hours)
GN 300 or 400 level	GN 103, GN 201, GN 202 (10 hours)

## Italian

Except for heritage language or bilingual individuals, students placed in IT 201 Intermediate Italian I or higher and who earn a grade of C- or higher in the course may be granted additional credit upon written petition:

Placement	Credit received with grade of "Pass" (C- or better)
IT 201	IT 102 (4 hours)
IT 202	IT 102 and IT 201 (7 hours)
IT 300 level	IT 102, IT 201, IT 202 (10 hours)

## Latin

The course level at which students begin their study of Latin is determined by several factors. These factors include the following: the number of high-school units completed, language placement examination scores or faculty evaluation. Students placed in LA 201 Intermed Latin Read I or higher and who earn a grade of B or higher in the course may be granted additional credit upon written petition.

Placement	Credit received with grade of "Pass" (C- or better)
LA 201	LA 102 (3 hours)
LA 202	LA 102 and LA 201 (6 hours)
LA 300 or 400 level	LA 102, LA 201, LA 202 (9 hours)

## Tracks

The major in foreign languages and literature requires the successful completion of specifically required semester hours in one of the following six tracks:

### Classic Civilization Track

Code and Title	Hours
<b>Required Courses</b>	
Select one of the following language sequences: <sup>1</sup>	12
LA 101 Elementary Latin I & LA 102 and Elementary Latin II	
LA 201 Intermed Latin Read I & LA 202 and Intermed Latin Read II	
OR	
GR 101 Beginning Greek I & GR 102 and Beginning Greek II	
GR 201 Intermediate Greek I & GR 202 and Intermediate Greek II	
Select from the following:	21
CL 222 Greek Roman Mythology	
CL 323 Alexander the Great, Then & Now	
CL 333 Greek Civilization	

CL 350	Roman Religion
CL 385	History Of Greece
CL 365	Greece & Rome in Lit. & Film
CL 380	Special Topics
CL 386	History Of Rome
ARH 351	Ancient Art
PHL 211	Ancient Philosophy
UH 244	Women: Antiquity to Modernity
Select Greek or Latin language electives (100 level or above)	

**Total Hours** **33**

#### Footnotes

<sup>1</sup> Students must complete a foreign language sequence from 101-202 in either Latin or Greek.

## French Track

Code and Title	Hours
<b>Required Courses</b>	
FR 201 or Intermediate French	3
FR 211 Honors Intermediate French I	
FR 202 or Intermediate French	3
FR 212 Honors Intermediate French II	
Select FR 321, FR 323 or FR 328 and one of the following not already taken:	6
FR 321 Writing and Imagination	
FR 322 Advanced French Grammar	
FR 323 Writing and Analysis	
FR 324 FR Culture and Language	
FR 325 Cultures and Conversations	
FR 328 French Conversation-Abroad	
FR 339 French Civilizatn-Abroad	
FR 341 Survey Fr Literature I <sup>1</sup>	3
FR 351 Survey Fr Literature II <sup>1</sup>	3
FR 421 or Pronunciation & Phonetics	3
FR 484 Adv Converstn Phonetics	
Select two of the following: <sup>6</sup>	6
FR 331 French Civilization <sup>2</sup>	
FR 339 French Civilizatn-Abroad	
FR 361 Intro Romance Linguistic	
FR 424 Globalization, Mktg & Comm.	
FR 431 Contemp French Civiliztn <sup>2</sup>	
FR 441 Page & Stage	
FR 461 French Linguistics	
Credit Hours Subtotal:	27
<b>Electives</b>	
Select six hours of FR electives 200 level and above	6
Credit Hours Subtotal:	6
<b>Total Hours</b>	<b>33</b>

#### Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The track in French requires the successful completion of the following courses:

FR 101 Elementary French I	8
& FR 102 and Elementary French II <sup>3</sup>	

#### Footnotes

<sup>1</sup> With approval, three hours of topic appropriate FR 470 Undergrad Sem In French (Literature) or FR 480 Special Topics (in French Literature) may substitute for, either FR 341 Survey Fr Literature I or FR 351 Survey Fr Literature II, but not both.

<sup>2</sup> With approval, three hours of topic appropriate FR 470 Undergrad Sem In French (Civilization or Linguistics) or FR 480 Special Topics (Civilization or Linguistics) may substitute for either FR 331 French Civilization or FR 431 Contemp French Civiliztn, but not both.

<sup>3</sup> Or proficiency or placement.

## German Track

Code and Title	Hours
<b>Required Courses</b>	
Select one of the following:	8
GN 101 Elementary German I	
& GN 102 and Elementary German II	
GN 103 Accelerated Elementary German <sup>1</sup>	
GN 201 Intermediate German I	3
GN 202 Intermediate German II	3
GN 361 or Interm Convers Comp I	3
GN 362 Interm Convers Comp II	
GN 371 Gn Cult Civil Thru 1832	3
GN 372 Germn Cult Civ 1832-Present	3
GN 403 or Undergraduate Seminar	3
GN 404 Undergraduate Seminar	
Credit Hours Subtotal:	26
<b>Electives</b>	
Select three hours of GN electives <sup>2</sup>	3
<b>German Literature</b>	
Select one of the following:	3
GN 250 Germanic Mythology	
GN 260 Holocaust In Film & Lit	
GN 264 German Literature Translatn I	
GN 265 German Lit In Translatn II	
GN 403 Undergraduate Seminar	
GN 404 Undergraduate Seminar	
Or other German literature course with departmental approval	
<b>Total Hours</b>	<b>32</b>

#### Footnotes

<sup>1</sup> Students taking GN 103 Accelerated Elementary German are required to take additional GN coursework to satisfy the 32 hour requirement for the German major.

<sup>2</sup> A total of four hours in GN 205 Living German House I and GN 206 Living German House II may be applied to the 32 required hours in the major.

## Greek Track

Code and Title	Hours
<b>Required Courses</b>	
GR 101 Beginning Greek I	3
GR 102 Beginning Greek II	3

GR 201	Intermediate Greek I	3
GR 202	Intermediate Greek II	3
GR 301	Advanced Greek I	3
GR 302	Advanced Greek II	3
GR 490	Adv Greek Literature	3
		Credit Hours Subtotal: 21

**Select one of the following:**

CL 323 or	Alexander the Great,Then & Now	3
CL 385	History Of Greece	
		Credit Hours Subtotal: 3

**Select 9 hours from among the following 9**

ARH 351	Ancient Art	
CL 222	Greek Roman Mythology	
CL 323	Alexander the Great,Then & Now	
CL 350	Roman Religion	
CL 386	History Of Rome	
CL 380	Special Topics	
CL 365	Greece & Rome in Lit. & Film	
CL 333	Greek Civilization	
PHL 211	Ancient Philosophy	
Latin language electives on the 100 level or above		
Greek language electives on the 400 level or above		
		Credit Hours Subtotal: 9

**Total Hours 33****Footnotes**<sup>1</sup> Or proficiency or placement.**Italian Track****Code and Title Hours****Required Courses**

IT 101	Introductory Italian I (or)	4
IT 105	Honors Introductory Italian I	
IT 102	Introductory Italian II	4
IT 201	Intermediate Italian I	3
IT 202	Intermediate Italian II	3
IT 353	Italian Conversation	3
IT 356	Adv Grammar Composition	3
IT 364	IT Lit: Medieval to Modern	3
IT 380	Special Topics	3
		Credit Hours Subtotal: 26

Select two of the following: 6

IT 323	Introduction to Italian Cinema	
IT 361	Intro Romance Linguistic	
IT 480	Undergraduate Seminar	
		Credit Hours Subtotal: 6

Other IT electives permissible, and Italian related coursework may apply with advisor approval.

**Total Hours 32****Latin Track****Code and Title Hours**

LA 101	Elementary Latin I	3
LA 102	Elementary Latin II	3

LA 201	Intermed Latin Read I	3
LA 202	Intermed Latin Read II	3
LA 301	Survey Lit Roman Republ	3
LA 302	Survey Lit Of Empire	3
CL 386	History Of Rome	3
LA 490	Readings In Latin Literature	3
		Credit Hours Subtotal: 24

**Select 9 hours from the following: 9**

ARH 351	Ancient Art	
CL 222	Greek Roman Mythology	
CL 323	Alexander the Great,Then & Now	
CL 333	Greek Civilization	
CL 350	Roman Religion	
CL 365	Greece & Rome in Lit. & Film	
CL 380	Special Topics	
CL 385	History Of Greece	
CL 498	Honors Research in Classics I	
CL 499	Honors Research in Classics 2	
PHL 211	Ancient Philosophy	
UH 244	Women: Antiquity to Modernity	
Greek language electives on the 100 level and above		
Latin language electives on the 400 level or above		
		Credit Hours Subtotal: 9

**Total Hours 33****Footnotes**<sup>1</sup> Or proficiency or placement.

The interesting thing about the study of any field of foreign languages or classics is that, far from limiting a student's career choices, it actually expands them. Instead of being tied to one particular technical skill, learners have a broad and unique understanding of the human condition and have developed an appreciation for the precision and power of language. Most careers are open to students because employers and recruiters realize and appreciate the rigor and difficulty of the degree itself.

**Types of Jobs Accepted**

Many of our graduates in foreign languages and classics go on to professional schools or advanced degrees in their own areas at well known universities around the country and abroad. Since 1995, classics has had a 100% acceptance rate for those who have applied for medical school. We have sent students to prestigious law schools. Some students have completed advanced study in Library Science or English/TESOL, while others have entered various areas in the private and public sectors.

**Jobs of Experienced Alumni**

Foreign languages and literature graduates have jobs in a variety of areas in the private and public sectors, including all levels of education and educational administration, in print and other areas of media, law, diplomacy, auto industry, high tech fields and in many other areas. Competitive employers acknowledge the advantages of hiring those who can understand and communicate with a greater number of people.

Classics graduates have gone to seminary and then on into the ministry. Several have gone on to MBA programs and graduated at the top of their class and now work in major businesses. Others have continued in classics and received a PhD and now teach in colleges here and in

England. One student works for the Navy in Chicago, following a passion of hers, mapping and geography. The possibilities are endless!

Learn more about opportunities in this field at the Career Center

## French, Minor

200 B.B. Comer Hall

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
FR 201 or Intermediate French	3
FR 211 Honors Intermediate French I	
FR 202 or Intermediate French	3
FR 212 Honors Intermediate French II	
Select one of the following:	3
FR 321 Writing and Imagination	
FR 323 Writing and Analysis	
FR 328 French Conversation-Abroad	
Select one of the following:	3
FR 325 Cultures and Conversations	
FR 421 or Pronunciation & Phonetics	
FR 484 Adv Converstn Phonetics	
FR 441 Page & Stage	
FR electives 200 level and above	6
Credit Hours Subtotal:	18
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the minor GPA. The French minor requires the successful completion of the following courses:	
FR 101 Elementary French I & FR 102 and Elementary French II	
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

If students test out of any of the courses required for the minor, this does not reduce the total number of credit hours required for the minor. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## German, Minor

200 B.B. Comer Hall

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
Select one of the following:	8
GN 101 Elementary German I & GN 102 and Elementary German II	
GN 103 Accelerated Elementary German <sup>1</sup>	
GN 201 Intermediate German I	3
GN 202 Intermediate German II	3
Credit Hours Subtotal:	14
<b>Electives</b>	
Select six hours of GN electives 300 or 400 level	6
Select two hours of GN electives <sup>2</sup>	2
Credit Hours Subtotal:	8
<b>Total Hours</b>	<b>22</b>

#### Footnotes

- <sup>1</sup> Students taking GN 103 Accelerated Elementary German are required to take additional GN elective coursework to satisfy the 22 hour requirement for the German minor.
- <sup>2</sup> A total of 4 hours in GN 205 Living German House I and GN 206 Living German House II may be applied to the 22 required hours in the minor.

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

If students test out of any of the courses required for the minor, this does not reduce the total number of credit hours required for the minor. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Greek, Minor

200 B.B. Comer Hall

## Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
GR 101 Beginning Greek I	3
GR 102 Beginning Greek II	3
GR 201 Intermediate Greek I	3
GR 202 Intermediate Greek II	3
GR 301 Advanced Greek I	3
CL 385 History Of Greece	3
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

If students test out of any of the courses required for the minor, this does not reduce the total number of credit hours required for the minor. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Italian, Minor

200 B.B. Comer Hall

## Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
IT 101 Introductory Italian I	4
IT 102 Introductory Italian II	4
IT 201 Intermediate Italian I	3
IT 202 Intermediate Italian II	3
Credit Hours Subtotal:	14
<b>Electives</b>	
Select six hours of IT electives 300 or 400 level. Other 300-400 IT electives also applicable.	6
IT 323 Introduction to Italian Cinema	
IT 353 Italian Conversation	
IT 356 Adv Grammar Composition	
IT 361 Intro Romance Linguistic	
IT 364 IT Lit: Medieval to Modern	

IT 380	Special Topics
IT 480	Undergraduate Seminar
<b>Total Hours</b>	<b>20</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus or in the UA summer program in Italy. Italian courses taken in exchange programs at a partner university in Italy may be used to satisfy the residency requirement.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Japanese, Minor

200 B.B. Comer Hall

## Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
JA 201 Intermediate Japanese I	3
JA 202 Intermediate Japanese II	3
JA 301 Third Year Japanese I	3
JA 302 Third Year Japanese II	3
JA 410 4 Yr Read/Write Japanese	3
JA 411 4th Year Spoken Japanese	3
Select one of the following:	3
JA 356 Traditional Japanese Lit Trans	
JA 357 Japanese Literature & Film	
JA 390 Topics Japanese Studies	
Credit Hours Subtotal:	21
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the minor GPA. The minor in Japanese requires the successful completion of the following courses:	
JA 101 Elementary Japanese I	8
& JA 102 and Elementary Japanese II	
Credit Hours Subtotal:	8
<b>Total Hours</b>	<b>29</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Latin American, Caribbean, and Latino Studies, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
LAS 401 LACLS Seminar (requirement for all LACLS minors)	3
Select 15 additional hours of approved electives in two or more disciplines	15
Credit Hours Subtotal:	18
<b>Ancillary Courses</b>	
A total of six hours of language training taken outside of the minor in one or more of the following: Spanish, Portuguese, French, any indigenous language or any Creole language having a historical or current association with Latin America or the Caribbean. Grades in the language courses will not be computed into the minor grade point average.	6
FR 101 Elementary French I	
FR 102 Elementary French II	
FR 201 Intermediate French	
FR 202 Intermediate French	
POR 101 Elementary Portuguese I	
POR 102 Elementary Portuguese II	
POR 201 Intermed Portuguese I	
SP 101 Introductory Spanish I	
SP 102 Introductory Spanish II	
SP 201 Intermediate Spanish	
SP 202 Intermediate Spanish	
<b>Total Hours</b>	<b>24</b>

## Approved Electives

<b>American Studies</b>		<b>Hours</b>
AMS 207	Intro to Latinx Studies	3
AMS 310	The Latinx Experience	3
AMS 430	Special Topics	3
<b>Anthropology</b>		<b>Hours</b>
ANT 319	Ancient New World Civilization	3
ANT 409	Ancient Maya Civilization	3
ANT 413	Peoples of Latin Amer	3
<b>Geography</b>		<b>Hours</b>
GY 345	Geography of Latin America	3
GY 450	Field Studies in Belize	6
<b>History</b>		<b>Hours</b>
HY 111	Colonial Latin America	3
HY 112	Modern Latin Am Since 1808	3
HY 371	History of Brazil	3
HY 374	The History of Pirates	3
HY 379	History of Modern Argentina	3
HY 411	Comp. Slavery & Emancipation	3
HY 473	Indians, Nuns, & Rogues	3
HY 474	Relation US Latin Amer	3
<b>Modern Languages &amp; Classics</b>		<b>Hours</b>
SP 353	Spanish Conversation	3
SP 355	Spanish for Native Speakers	3
SP 356	Adv Grammar And Compos	3
SP 362	Spanish for Healthcare	3
SP 366	Cultures of Latin America	3
SP 375	LatAm Lit. & Cult. pre-1900	3
SP 376	LatAm Lit. & Cult. post-1900	3
SP 377	US Latino Literature	3
SP 389	Spanish Outreach	3
SP 483	Advanced Spanish Linguistics	3
SP 484	Adv. Sp. Phonetics and Dialect	3
SP 487	Special Topics US Latino	3
SP 489	Special Topics: LA. Lit. Cult. (Spanish-American Literature)	3
SP 492	Spanish in the US	3
<b>Political Science</b>		<b>Hours</b>
PSC 332	Politics of Latin America	3
PSC 338	Mexican Politics	3
PSC 343	Authoritarianism	3

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of nine hours of 300- and 400-level courses in this minor must be earned on this campus.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Latin, Minor

200 B.B. Comer Hall

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
LA 101 Elementary Latin I	3
LA 102 Elementary Latin II	3
LA 201 Intermed Latin Read I	3
LA 202 Intermed Latin Read II	3
LA 301 Survey Lit Roman Republ	3
CL 386 History Of Rome	3
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

If students test out of any of the courses required for the minor, this does not reduce the total number of credit hours required for the minor. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Russian, Minor

200 B.B. Comer Hall

russian@as.ua.edu (Russian@as.ua.edu)

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
RUS 201 Intermediate Russian I	3
RUS 202 Intermediate Russian II	3

RUS 223	Rus Lit in Trans I	3
RUS 224	Rus Lit In Transl II (Ancillary)	3
Credit Hours Subtotal:		12
<b>Electives</b>		
Select six hours of RUS electives 300 or 400 level		6
Credit Hours Subtotal:		6
<b>Ancillary</b>		
HY 361 or	Russia to 1894	3
HY 362	Russia-Soviet Union since 1894	
<b>Total Hours</b>		<b>21</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus or in UA-sponsored programs of study abroad.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Spanish, BA

The curriculum provides students with an attractive mixture of classes with Latin-American, Spanish Peninsular, U.S. Latino, and Transatlantic grounding. Studies will include the renowned works of Cervantes, including Don Quixote.

200 B.B. Comer Hall

### Admission into the Major

Course placement information appears in the Spanish course description section of the catalog. Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama. Additionally, students must declare a major with the undergraduate advisor in the department.

## Special Opportunities

The Spanish program at The University of Alabama offers a quality education and a range of learning opportunities. These include the Alabama in Spain summer abroad program, the Spanish Outreach program in the Tuscaloosa/Northport area and UA's semester abroad program in Cuba (offered by the College of Arts and Sciences). The Department of Modern Languages and Classics also offers honors courses in Spanish.

Students earning the bachelor of arts (BA) degree with a major in Spanish must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and



other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
Select one of the following	3
SP 353 Spanish Conversation <sup>1</sup>	
SP 352 Spanish Conversation (Study Abroad Option)	
SP 355 Spanish for Native Speakers (Native Speakers cannot take SP 352 or SP 353)	
Credit Hours Subtotal:	3
SP 356 or Adv Grammar And Compos	3
SP 354 Adv Grammar & Compositn	
SP 364 or Cultures of Spain	3
SP 366 Cultures of Latin America	
Credit Hours Subtotal:	6
Select two of the following:	6
Credit Hours Subtotal:	6
SP 371 Lit. & Cult. of Sp. pre-1800	
SP 372 Lit. & Cult. of Sp. post-1800	
SP 375 LatAm Lit. & Cult. pre-1900	
SP 376 LatAm Lit. & Cult. post-1900	
SP 377 US Latino Literature	
<b>Electives <sup>2</sup></b>	
Select six hours of SP electives 300 or 400 level	6
Select three hours of SP elective 400 level	3
Credit Hours Subtotal:	9
<b>Cervantes</b>	
SP 491 Cervantes	3
Credit Hours Subtotal:	3
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the major GPA. The major in Spanish requires the successful completion of the following courses:	
SP 101 Introductory Spanish I	4
SP 102 Introductory Spanish II	4
SP 201 or Intermediate Spanish	3
SP 211 Honors Intermediate Spanish I	
SP 202 or Intermediate Spanish	3
SP 212 Honors Intermediate Spanish II	
Credit Hours Subtotal:	14
<b>Total Hours</b>	<b>41</b>

#### Footnotes

<sup>1</sup> Native speakers or heritage speakers cannot take SP 353 Spanish Conversation; they should enroll in SP 355 Spanish for Native Speakers instead or substitute it with another course in consultation with the Spanish Adviser.

<sup>2</sup> Of the electives requirements, at least one must be a linguistics course taught in Spanish. SP 361 Intro Romance Linguistic is taught in English and does not count towards Spanish major or minor.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus. Courses taken in the UA summer program in Spain may be used to satisfy the residency requirement.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Course Placement

The course level at which students begin their study of Spanish is determined by several factors. These factors include the following: the number of high school units completed, language placement examination scores, AP score, and/or faculty evaluation/consultation. For more detailed placement guidelines, see the College website or Spanish program website: <http://mlc.ua.edu/spanish/undergraduate/course-placement/>

Placement	Credit received with grade of "Pass" (C- or better)
SP 101	No prior instruction in Spanish (or >4 years ago); or 3 or fewer high school units; or UA placement test
SP 102	4 to 5 high school units in Spanish; or UA placement test
SP 201	6 to 7 high school units in Spanish; or UA placement test
SP 202	8 high school units in Spanish; or UA placement test
SP 353 / SP 356	UA placement test

Note that 1 high school unit is generally equivalent to 1 semester of high school work.

## Credit Option

Except for heritage language or bilingual individuals, students placed in SP 201 or higher and who earn a grade of C- or higher in the course may be granted additional credit upon written petition. Students are encouraged to take the placement test in order to place into the highest course level possible, as incoming students may receive up to 10 hours of additional credit (SP 102, SP 201, SP 202).

Placement	Credit received with grade of "Pass" (C- or better)
SP 101	No prior instruction in Spanish (or >4 years ago); or fewer than 4 high school units; or UA placement test

SP 102	4 to 5 high school units in Spanish; or UA placement test
SP 201	6 to 7 high school units in Spanish; or UA placement test
SP 202	8 high school units in Spanish; or UA placement test
SP 353 / SP 356	UA placement test

Career opportunities include teaching of Spanish at the high school level, master's degree, doctorate in Spanish, diplomatic corps, FBI, NSA, CIA, translator, interpreter, and hospitality careers (tourism).

A Spanish major is a great double major to have with history, international relations, political science, English, engineering, pre-med, and many others.

## Types of Jobs Accepted

sales representative with foreign firm, Spanish teacher at the high school level, Teach for America, international banker, interpreter, translator, and more

## Jobs of Experienced Alumni

university professor, high school teacher, junior or state college teacher, interpreter, translator, international banker, international sales representative, international advertising, media consultant, and more

Learn more about opportunities in this field at the Career Center

## Spanish, Minor

200 B.B. Comer Hall

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama. Students are strongly advised to meet with the department advisor each semester to plan their course of study.

Code and Title	Hours
<b>Minor Courses</b>	
SP 353 Spanish Conversation	3
SP 356 Adv Grammar And Compos	3
SP 364 or Cultures of Spain	3
SP 366 Cultures of Latin America	
	Credit Hours Subtotal: 9
<b>Electives</b>	
Select six hours of SP electives 300 or 400 level <sup>1</sup>	6
	Credit Hours Subtotal: 6
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the minor GPA. The minor in Spanish requires the successful completion of the following courses:	
Select one of the following:	4-8
SP 101 Introductory Spanish I & SP 102 and Introductory Spanish II	
SP 201 Intermediate Spanish <sup>2</sup>	3
SP 202 Intermediate Spanish	3
	Credit Hours Subtotal: 10-14
<b>Total Hours</b>	<b>25-29</b>

### Footnotes

<sup>1</sup> SP 361 Intro Romance Linguistic is taught in English and does not count toward the Spanish major or minor.

<sup>2</sup> Or proficiency or placement. Native and Heritage speakers. These students are exempted from SP 353 Spanish Conversation and must complete an additional course at the 300 level, chosen in consultation with the adviser in the department in order to complete the 15 semester hours.

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus. Courses taken in the UA summer program in Spain may be used to satisfy the residency requirement.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Credit Option

Except for heritage language or bilingual individuals, students placed in SP 201 Intermediate Spanish or higher and who earn a grade of C- or higher in the course are granted additional credit upon written petition:

Placement	Credit received with grade of "Pass" (C- or better)
SP 201	SP 103 (4 hours)
SP 202	SP 103 and SP 201 (7 hours)
SP 300 or 400 level	SP 103, SP 201, SP 202 (10 hours)

## School of Music

Students wishing to study at the School of Music must make a separate application for admission to the School, which is available online at [music.ua.edu/apply-audition/](http://music.ua.edu/apply-audition/)

After successfully auditioning and gaining formal acceptance to the School of Music, students may enroll in one of the following degree programs listed below.

- Majors
  - Music, BA (p. 513)
  - Music Performance, BM (p. 501)
  - Music Composition, BM (p. 500)
  - Music Theory, BM (p. 508)
  - Music Therapy, BM (p. 509)
  - Music with a concentration in Arts Administration, BA (p. 511)
- Minor
  - Music (p. 515)

**Chair**

- Snead, Charles "Skip"

**Professors**

- Biermann, Joanna
- Cevasco-Trotter, Andrea
- Freese, Faythe
- Hancock, Carl
- Houghtaling, Paul
- Molina, Osiris
- Ozzello, Ken
- Schultz, Diane Boyd
- Snead, Charles "Skip"
- Wolfe, Thomas

**Associate Professor**

- Bailey, Mary Lindsey
- Caputo, Jennifer
- Coleman, Randall
- Dewar, Andrew
- Fader, Don
- Kozak, Chris
- Latimer, Marvin
- Mann, Jenny
- McGuire, Ken
- Noffsinger, Jon
- Robinson, Thomas
- Whitaker, Jon
- Williams, Susan
- Yates, Eric

**Instructors**

- Caputo, Jennifer
- Crofut, Ben
- Kordes, Gesa
- Lanter, Mark
- Latimer, Marion
- Ransom, Judy
- Rogers, Laurie
- Roy, Omar
- Western, Daniel
- Wilk, Michael
- Witt, Anne
- Woosley, Kevin

**Assistant Professor**

- Adams, Christy Thomas
- Adams, Jacob
- Bannerman, Julie
- Boyle, Matthew
- Chance, Kevin
- Crawford, Jeremy
- Davis-Hazell, Alexis
- Draper, Ellary
- Gregoire, Jenny

- Lynge, Andrew
- Minear, Andrew
- Molina, Moises
- Richardson, Blake
- Sargent, Joseph
- Savitski, Edisher
- Tayloe, David
- Walker, Tyler Bradley
- Zaheri, Amir

**MUS115 Theory I: Voice Leading**

Hours 4

Study of the fundamental elements of music theory, including rhythm, melody, consonance, dissonance, and functional harmony. We explore these through counterpoint exercises in two, three, and four voices. The prerequisite for this course is MUS 100. A placement exam is available. Contact the department for details.

Prerequisite(s): Prerequisite: MUS 100 with the grade of C- or better

**MUS117 Theory II: Diatonic Harmony**

Hours 4

Study of the diatonic principles of the common-practice era, including voice leading in triads and seventh chords, basic harmonic syntax, and contrapuntal embellishment. We explore these through four-part writing, analysis, harmonic dictation, keyboard exercises, and sight singing.

Prerequisite(s): MUS 115 with the grade of C- or better.

[View All Courses](#)

**Faculty****Chair**

Snead, Charles "Skip"

**Professors**

Biermann, Joanna  
 Cevasco-Trotter, Andrea  
 Freese, Faythe  
 Hancock, Carl  
 Houghtaling, Paul  
 Molina, Osiris  
 Ozzello, Ken  
 Schultz, Diane Boyd  
 Snead, Charles "Skip"  
 Wolfe, Thomas

**Associate Professor**

Bailey, Mary Lindsey  
 Caputo, Jennifer  
 Coleman, Randall  
 Dewar, Andrew  
 Fader, Don  
 Kozak, Chris  
 Latimer, Marvin

Mann, Jenny  
 McGuire, Ken  
 Noffsinger, Jon  
 Robinson, Thomas  
 Whitaker, Jon  
 Williams, Susan  
 Yates, Eric

**Instructors**

Caputo, Jennifer  
 Crofut, Ben  
 Kordes, Gesa  
 Lanter, Mark  
 Latimer, Marion  
 Ransom, Judy  
 Rogers, Laurie  
 Roy, Omar  
 Western, Daniel  
 Wilk, Michael  
 Witt, Anne  
 Woosley, Kevin

**Assistant Professor**

Adams, Christy Thomas  
 Adams, Jacob  
 Bannerman, Julie  
 Boyle, Matthew  
 Chance, Kevin  
 Crawford, Jeremy  
 Davis-Hazell, Alexis  
 Draper, Ellary  
 Gregoire, Jenny  
 Lynge, Andrew  
 Minear, Andrew  
 Molina, Moises  
 Richardson, Blake  
 Sargent, Joseph  
 Savitski, Edisher  
 Tayloe, David  
 Walker, Tyler Bradley  
 Zaheri, Amir

**Music Composition, BM**

Students entering this program should have a strong background in music. This should include performance experience with a specific instrument or voice type.

**Admission into the Major**

In order to declare a major in music composition, students must submit sample compositions to be reviewed by the composition faculty. To begin the application process, students must fill out a separate application to the School of Music, which is available online at <http://music.ua.edu/apply-audition/>. Upon successful review of the submitted materials, students are expected to declare a major formally no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title		Hours
<b>Major Courses</b>		
MUS 115	Theory I: Voice Leading	4
MUS 117	Theory II: Diatonic Harmony	4
MUS 215	Theory III: Chromatic Harmony	4
MUS 217	Theory IV: Advanced Harmony	4
MUS 219	Composition I	2
MUS 220	Composition II	2
MUS 250	Music In World Cultures	3
MUS 251	Music History I	3
MUS 252	Music History II	3
MUS 303	16th-Century Counterpoint	3
MUS 304	18th-Century Counterpoint I	3
MUS 307	Form And Analysis	3
MUS 319	Composition III	3
MUS 320	Composition IV	3
MUS 323	Music History III	3
MUS 325	Instrumentation	3
MUS 351	Fund Of Conducting	2
MUS 403 or MUS 426	18th-Century Counterpoint II Analysis of 20th-Century Music	3
MUS 418	Schenkerian Analysis	3
MUS 419	Composition V	3
MUS 420	Composition VI	3
MUS 492 or MUS 494	Choral Conducting Band Conducting	2
MUS electives 300 or 400 level		3
MUA 010	Music Convocation (five semesters)	0
Select eight hours of the following:		8
MUA 121	Class Piano I & MUA 122 and Class Piano II & MUA 123 and Class Piano III & MUA 124 and Class Piano IV or MUA 299Piano Proficiency	
MUA 231	Piano (Secondary)	1
MUA applied	(four semesters)	4
MUA ensembles	(four semesters)	4
<b>Total Hours</b>		<b>86</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- or 400-level courses in the major must be earned on this campus.

## Required Minor

The music composition major does not require the completion of a minor.

## Additional Major Requirements

MUS 121 Intro To Listening does not satisfy the fine arts (FA) general education requirement for music majors. Composition majors may audition for status as "principals" in any instrument or voice. Principal status qualifies the student for two hours of credit per semester instead of the usual one hour. Not more than 10 hours or fewer than two hours may be taken in any single instrument or family of instruments. Students who do not qualify as piano principals must enroll for that instrument during every semester. During the senior year, composition majors must present, to the satisfaction of the composition faculty, a recital of their works. Readings of works for large ensemble will count toward the fulfillment of this requirement.

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, college and University requirements.

## MUA Applied Courses

Students must earn a minimum of four hours and four semesters in a single instrument or voice chosen from the following courses:

Code and Title	Hours
MUA 231 Piano (Secondary)	1
MUA 232 Organ (Secondary)	1
MUA 233 Harpsichord (Secondary)	1
MUA 234 Voice (Secondary)	1
MUA 235 Violin (Secondary)	1
MUA 236 Viola (Secondary)	1
MUA 237 Cello (Secondary)	1
MUA 238 Double Bass (Secondary)	1
MUA 239 Flute (Secondary)	1
MUA 240 Oboe (Secondary)	1
MUA 241 Bassoon (Secondary)	1
MUA 242 Clarinet (Secondary)	1
MUA 243 Saxophone (Secondary)	1
MUA 244 Trumpet (Secondary)	1
MUA 245 French Horn (Secondary)	1
MUA 246 Trombone (Secondary)	1
MUA 247 Euphonium (Secondary)	1
MUA 248 Tuba (Secondary)	1
MUA 249 Percussion (Secondary)	1

## MUA Ensembles Courses

Four semesters of ensembles should be chosen from the following courses:

Code and Title	Hours
MUA 150 Huxford Symphony Orchestra	1
MUA 250 Huxford Symphony Orchestra	1
MUA 350 Huxford Symphony Orchestra	1
MUA 450 Huxford Symphony Orchestra	1
MUA 152 Wind Ensemble	1
MUA 252 Wind Ensemble	1
MUA 352 Wind Ensemble	1
MUA 452 Wind Ensemble	1
MUA 154 Symphonic Band	1
MUA 254 Symphonic Band	1
MUA 354 Symphonic Band	1
MUA 454 Symphonic Band	1
MUA 156 Percussion Ensemble	1
MUA 256 Percussion Ensemble	1
MUA 356 Percussion Ensemble	1
MUA 456 Percussion Ensemble	1
MUA 158 Contemporary Ensemble	1
MUA 258 Contemporary Ensemble	0 to 1
MUA 358 Contemporary Ensemble	1
MUA 458 Contemporary Ensemble	1
MUA 159 Jazz Ensembles	1
MUA 259 Jazz Ensemble	1
MUA 359 Jazz Ensembles	1
MUA 459 Jazz Ensemble	1
MUA 162 University Chorus	1
MUA 262 University Chorus	1
MUA 362 University Chorus	1
MUA 462 University Chorus	1
MUA 163 University Singers	1
MUA 263 University Singers	1
MUA 363 University Singers	1
MUA 463 University Singers	1

Career opportunities include full-time work as a performing musician, full-time opportunities as a licensed music therapist, and many other opportunities within the music industry.

## Types of Jobs Accepted

Recent graduates from The University of Alabama are very successful in major symphony orchestras, military bands and jazz, as freelancers, and as working music therapists.

Learn more about opportunities in this field at the Career Center

## Music Performance, BM

Students entering this program should have a strong background in music. This should include performance experience with a specific instrument or voice type.

## Admission into the Major

All students must pass an audition in order to declare a music performance major. To schedule an audition, students must fill out a separate application to the School of Music, which is available online at <https://music.ua.edu/apply-audition/undergraduates/undergraduate-audition-request/>.

Auditions typically take place between January and March prior to fall enrollment. Upon successful audition, students are expected to declare a major formally no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

Students earning the bachelor of music (BM) degree with a major in performance must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements and other sufficient credits to total a minimum of 131 applicable semester hours.

## Grade Point Average

A 2.0 grade point average in each major is required for completion of the degree. Please see the Grades and Grade Points section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- or 400-level courses in the major must be earned on this campus.

## Ancillary Courses

Grades in ancillary courses are not computed into the major GPA.

## Required Minor

The music performance major does not require the completion of a minor.

## Additional Major Requirements

MUS 121 Intro To Listening does not satisfy the fine arts (FA) general education requirement for music majors. All music performance majors must earn a minimum of 33 hours of 300- or 400-level courses. To be admitted to the performance major in voice, students must complete the general admission requirements of the School of Music, including an audition program that includes a demonstration of the potential understanding of the classical vocal style (i.e., classical art songs sung in English and/or foreign languages). The foreign language requirement must be met with specific courses determined by placement examinations; students should consult the voice adviser for details.

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Tracks

The major in performance culminates in a bachelor of music (BM) degree and requires the successful completion of one of the following six tracks:

## Piano Track

Code and Title	Hours
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 215 Theory III: Chromatic Harmony	4
MUS 217 Theory IV: Advanced Harmony	4
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3
MUS 252 Music History II	3
MUS 323 Music History III	3
MUS 303 or 16th-Century Counterpoint	3
MUS 304 18th-Century Counterpoint I	
Select one of the following:	3
MUS 303 16th-Century Counterpoint	
MUS 304 18th-Century Counterpoint I	
MUS 403 18th-Century Counterpoint II	
MUS 418 Schenkerian Analysis	
MUS 426 Analysis of 20th-Century Music	
MUS 307 Form And Analysis	3
MUS 351 Fund Of Conducting	2
MUS 240 Piano Pedagogy	2
MUS 335 Accompanying Class	2
MUS 406 Keyboard Techniques	2
MUS 471 Lit Of The Piano	2
MUS 472 Lit Of The Piano	2
MUS electives 300 or 400 level	2
MUA 010 Music Convocation (five semesters)	0
MUA 171 Piano (two semesters) <sup>1</sup>	6
MUA 271 Piano (two semesters) <sup>1</sup>	6
MUA 199 Sophomore Qualifying	0
MUA 371 Piano (two semesters) <sup>1</sup>	5
MUA 399 Junior Recital	1
MUA 471 Piano (two semesters) <sup>1</sup>	5
MUA 499 Senior Recital	1
MUA 166 Piano Ensemble I (Two semesters)	2
MUA ensembles (eight semesters)	8
<b>Total Hours</b>	<b>85</b>

### Footnotes

<sup>1</sup> Students must earn 22 hours and eight semesters in applied study, with a minimum of five hours at the 300 level and five hours at the 400 level. During a recital semester, students should register for two hours of applied lessons.

### MUA Applied Courses

Four semesters of secondary applied music credit must be in voice or a single instrument chosen from the following courses:

Code and Title	Hours
MUA 232 Organ (Secondary)	1
MUA 233 Harpsichord (Secondary)	1
MUA 234 Voice (Secondary)	1
MUA 235 Violin (Secondary)	1
MUA 236 Viola (Secondary)	1

MUA 237	Cello (Secondary)	1
MUA 238	Double Bass (Secondary)	1
MUA 239	Flute (Secondary)	1
MUA 240	Oboe (Secondary)	1
MUA 241	Bassoon (Secondary)	1
MUA 242	Clarinet (Secondary)	1
MUA 243	Saxophone (Secondary)	1
MUA 244	Trumpet (Secondary)	1
MUA 245	French Horn (Secondary)	1
MUA 246	Trombone (Secondary)	1
MUA 247	Euphonium (Secondary)	1
MUA 248	Tuba (Secondary)	1
MUA 249	Percussion (Secondary)	1

### Ensemble Courses

Six semesters of ensembles should be chosen from the following courses:

Code and Title	Hours	
MUA 150	Huxford Symphony Orchestra	1
MUA 250	Huxford Symphony Orchestra	1
MUA 350	Huxford Symphony Orchestra	1
MUA 450	Huxford Symphony Orchestra	1
MUA 152	Wind Ensemble	1
MUA 252	Wind Ensemble	1
MUA 352	Wind Ensemble	1
MUA 452	Wind Ensemble	1
MUA 153	Marching Band	1
MUA 253	Marching Band	1
MUA 353	Marching Band	1
MUA 453	Marching Band	1
MUA 154	Symphonic Band	1
MUA 254	Symphonic Band	1
MUA 354	Symphonic Band	1
MUA 454	Symphonic Band	1
MUA 156	Percussion Ensemble	1
MUA 256	Percussion Ensemble	1
MUA 356	Percussion Ensemble	1
MUA 456	Percussion Ensemble	1
MUA 158	Contemporary Ensemble	1
MUA 258	Contemporary Ensemble	1
MUA 358	Contemporary Ensemble	1
MUA 458	Contemporary Ensemble	1
MUA 159	Jazz Ensembles	1
MUA 259	Jazz Ensemble	1
MUA 359	Jazz Ensembles	1
MUA 459	Jazz Ensemble	1
MUA 160	Opera Workshop	1
MUA 260	Opera Workshop	1
MUA 360	Opera Workshop	1
MUA 460	Opera Workshop	1
MUA 161	Opera Production	1
MUA 261	Opera Production	1
MUA 361	Opera Production	1

MUA 461	Opera Production	1
MUA 162	University Chorus	1
MUA 262	University Chorus	1
MUA 362	University Chorus	1
MUA 462	University Chorus	1
MUA 163	University Singers	1
MUA 263	University Singers	1
MUA 363	University Singers	1
MUA 463	University Singers	1
MUA 167	Jazz Combo	1
MUA 267	Jazz Combo	1
MUA 367	Jazz Combo	1
MUA 467	Jazz Combo	1

### Organ Track

Code and Title	Hours	
MUS 115	Theory I: Voice Leading	4
MUS 117	Theory II: Diatonic Harmony	4
MUS 215	Theory III: Chromatic Harmony	4
MUS 217	Theory IV: Advanced Harmony	4
MUS 250	Music In World Cultures	3
MUS 251	Music History I	3
MUS 252	Music History II	3
MUS 323	Music History III	3
MUS 303 or	16th-Century Counterpoint	3
MUS 304	18th-Century Counterpoint I	
MUS 307	Form And Analysis	3
Select one of the following:		3
MUS 303	16th-Century Counterpoint	
MUS 304	18th-Century Counterpoint I	
MUS 403	18th-Century Counterpoint II	
MUS 418	Schenkerian Analysis	
MUS 426	Analysis of 20th-Century Music	
MUS 351	Fund Of Conducting	2
MUS 241	Organ Pedagogy	2
MUS 477	Organ Literature	2
MUS 492	Choral Conducting	2
MUA 010	Music Convocation (five semester)	0
MUA 172	Organ (Majors) (two semesters)	6
MUA 272	Organ (Majors) (two semesters)	6
MUA 199	Sophomore Qualifying	0
MUA 372	Organ (Majors) (two semesters) <sup>1</sup>	5
MUA 399	Junior Recital	1
MUA 472	Organ (Majors) (two semesters) <sup>1</sup>	5
MUA 499	Senior Recital	1
MUA ensembles (eight semesters)		8
MUA 231	Piano (Secondary) (four semesters)	4
<b>Total Hours</b>		<b>81</b>

**Footnotes**

<sup>1</sup> Students must earn 22 hours and eight semesters in applied study, with a minimum of five hours at the 300 level and five hours at the 400 level. During a recital semester, students should register for two hours of applied lessons.

**Ensemble Courses**

Eight semesters of ensembles should be chosen from the following courses:

Code and Title	Hours
MUA 150 Huxford Symphony Orchestra	1
MUA 250 Huxford Symphony Orchestra	1
MUA 350 Huxford Symphony Orchestra	1
MUA 450 Huxford Symphony Orchestra	1
MUA 152 Wind Ensemble	1
MUA 252 Wind Ensemble	1
MUA 352 Wind Ensemble	1
MUA 452 Wind Ensemble	1
MUA 153 Marching Band	1
MUA 253 Marching Band	1
MUA 353 Marching Band	1
MUA 453 Marching Band	1
MUA 154 Symphonic Band	1
MUA 254 Symphonic Band	1
MUA 354 Symphonic Band	1
MUA 454 Symphonic Band	1
MUA 156 Percussion Ensemble	1
MUA 256 Percussion Ensemble	1
MUA 356 Percussion Ensemble	1
MUA 456 Percussion Ensemble	1
MUA 158 Contemporary Ensemble	1
MUA 258 Contemporary Ensemble	1
MUA 358 Contemporary Ensemble	1
MUA 458 Contemporary Ensemble	1
MUA 159 Jazz Ensembles	1
MUA 259 Jazz Ensemble	1
MUA 359 Jazz Ensembles	1
MUA 459 Jazz Ensemble	1
MUA 160 Opera Workshop	1
MUA 260 Opera Workshop	1
MUA 360 Opera Workshop	1
MUA 460 Opera Workshop	1
MUA 161 Opera Production	1
MUA 261 Opera Production	1
MUA 361 Opera Production	1
MUA 461 Opera Production	1
MUA 162 University Chorus	1
MUA 262 University Chorus	1
MUA 362 University Chorus	1
MUA 462 University Chorus	1
MUA 163 University Singers	1
MUA 263 University Singers	1
MUA 363 University Singers	1

MUA 463 University Singers	1
MUA 167 Jazz Combo	1
MUA 267 Jazz Combo	1
MUA 367 Jazz Combo	1
MUA 467 Jazz Combo	1

**Strings Track**

Students must earn 22 hours and eight semesters in applied study, with a minimum of five hours at the 300 level and five hours at the 400 level. During a recital semester, students should register for two hours of applied lessons.

Code and Title	Hours
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 215 Theory III: Chromatic Harmony	4
MUS 217 Theory IV: Advanced Harmony	4
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3
MUS 252 Music History II	3
MUS 323 Music History III	3
MUS 303 or 16th-Century Counterpoint	3
MUS 304 18th-Century Counterpoint I	
MUS 307 Form And Analysis	3
Select one of the following:	3
MUS 303 16th-Century Counterpoint	
MUS 304 18th-Century Counterpoint I	
MUS 403 18th-Century Counterpoint II	
MUS 418 Schenkerian Analysis	
MUS 426 Analysis of 20th-Century Music	
MUS 351 Fund Of Conducting	2
MUS 344 String Pedagogy	2
MUS 473 String Literature	2
MUA 010 Music Convocation (five semesters)	0
MUA string instrument 100 level (two semesters)	6
MUA string instrument 200 level (two semesters)	6
MUA 199 Sophomore Qualifying	0
MUA string instrument 300 level (two semesters)	5
MUA 399 Junior Recital	1
MUA string instrument 400 level (two semesters)	5
MUA 499 Senior Recital	1
MUA ensembles (eight semesters)	8
MUA 121 Class Piano I	1
& MUA 122 and Class Piano II	
& MUA 123 and Class Piano III	
& MUA 124 or and Class Piano IV	
MUA 299 Piano Proficiency	
MUA 169 Chamber Music	4
& MUA 269 and Chamber Music	
& MUA 369 and Chamber Music	
& MUA 469 and Chamber Music	
MUS electives 300 to 400 level	2

**Total Hours** **82**



## MUA Applied Study Courses

Eight semesters of applied study should be chosen from the following courses:

Code and Title	Hours
MUA 175 Violin (Majors)	3-16
& MUA 275 and Violin (Majors)	
& MUA 375 and Violin (Majors)	
& MUA 475 and Violin (Majors)	
MUA 176 Viola (Majors)	3-16
& MUA 276 and Viola (Majors)	
& MUA 376 and Viola (Majors)	
& MUA 476 and Viola (Majors)	
MUA 177 Cello (Majors)	3-16
& MUA 277 and Cello (Majors)	
& MUA 377 and Cello (Majors)	
& MUA 477 and Cello (Majors)	
MUA 178 Double Bass (Majors)	3-16
& MUA 278 and Double Bass (Majors)	
& MUA 378 and Double Bass (Majors)	
& MUA 478 and Double Bass (Majors)	

## Ensemble Courses

Eight semesters of ensembles should be chosen from the following courses:

Code and Title	Hours
MUA 150 Huxford Symphony Orchestra	1
MUA 250 Huxford Symphony Orchestra	1
MUA 350 Huxford Symphony Orchestra	1
MUA 450 Huxford Symphony Orchestra	1
MUA 152 Wind Ensemble	1
MUA 252 Wind Ensemble	1
MUA 352 Wind Ensemble	1
MUA 452 Wind Ensemble	1
MUA 154 Symphonic Band	1
MUA 254 Symphonic Band	1
MUA 354 Symphonic Band	1
MUA 454 Symphonic Band	1
MUA 158 Contemporary Ensemble	1
MUA 258 Contemporary Ensemble	1
MUA 358 Contemporary Ensemble	1
MUA 458 Contemporary Ensemble	1
MUA 159 Jazz Ensembles	1
MUA 259 Jazz Ensemble	1
MUA 359 Jazz Ensembles	1
MUA 459 Jazz Ensemble	1
MUA 167 Jazz Combo	1
MUA 267 Jazz Combo	1
MUA 367 Jazz Combo	1
MUA 467 Jazz Combo	1

## Woodwind, Brass and Percussion Track

Code and Title	Hours
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 215 Theory III: Chromatic Harmony	4

MUS 217 Theory IV: Advanced Harmony	4
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3
MUS 252 Music History II	3
MUS 323 Music History III	3
MUS 303 or 16th-Century Counterpoint	3
MUS 304 18th-Century Counterpoint I	
MUS 307 Form And Analysis	3
Select one of the following:	3
MUS 303 16th-Century Counterpoint	
MUS 304 18th-Century Counterpoint I	
MUS 403 18th-Century Counterpoint II	
MUS 418 Schenkerian Analysis	
MUS 426 Analysis of 20th-Century Music	
MUS 351 Fund Of Conducting	2
Upper division MUS electives (300 or 400 level)	4
MUA applied 100 level (two semesters)	6
MUA applied 200 level (two semesters)	6
MUA 199 Sophomore Qualifying	0
MUA applied 300 level (two semesters)	5
MUA 399 Junior Recital	1
MUA applied 400 level (two semesters)	5
MUA 499 Senior Recital	1
MUA large ensembles (eight semesters)	8
MUA 169 Chamber Music	4
& MUA 269 and Chamber Music	
& MUA 369 and Chamber Music	
& MUA 469 and Chamber Music	
MUA 010 Music Convocation (five semesters)	0
MUA 121 Class Piano I	1
& MUA 122 and Class Piano II	
& MUA 123 and Class Piano III	
& MUA 124 or and Class Piano IV	
MUA 299 Piano Proficiency	
<b>Total Hours</b>	<b>80</b>

## MUA Applied Study Courses

Students must earn 22 hours and eight semesters in applied study, with a minimum of five hours at the 300 level and five hours at the 400 level. During a recital semester, students should register for two hours of applied lessons. Applied study should be chosen from the following courses:

Code and Title	Hours
MUA 179 Flute (Majors)	3-16
& MUA 279 and Flute (Majors)	
& MUA 379 and Flute (Majors)	
& MUA 479 and Flute (Majors)	
MUA 180 Oboe (Majors)	3-16
& MUA 280 and Oboe (Majors)	
& MUA 380 and Oboe (Majors)	
& MUA 480 and Oboe (Majors)	
MUA 181 Bassoon (Majors)	3-16
& MUA 281 and Bassoon (Majors)	
& MUA 381 and Bassoon (Majors)	
& MUA 481 and Bassoon (Majors)	

MUA 182 & MUA 282 & MUA 382 & MUA 482	Clarinet (Majors) and Clarinet (Majors) and Clarinet (Majors) and Clarinet (Majors)	3-16
MUA 183 & MUA 283 & MUA 383 & MUA 483	Saxophone (Majors) and Saxophone (Majors) and Saxophone (Majors) and Saxophone (Majors)	3-16
MUA 184 & MUA 284 & MUA 384 & MUA 484	Trumpet (Majors) and Trumpet (Majors) and Trumpet (Majors) and Trumpet (Majors)	3-16
MUA 185 & MUA 285 & MUA 385 & MUA 485	French Horn (Majors) and French Horn (Majors) and French Horn (Majors) and French Horn (Majors)	3-16
MUA 186 & MUA 286 & MUA 386 & MUA 486	Trombone (Majors) and Trombone (Majors) and Trombone (Majors) and Trombone (Majors)	3-16
MUA 187 & MUA 287 & MUA 387 & MUA 487	Euphonium (Majors) and Euphonium (Majors) and Euphonium (Majors) and Euphonium (Majors)	3-16
MUA 188 & MUA 288 & MUA 388 & MUA 488	Tuba (Majors) and Tuba (Majors) and Tuba (Majors) and Tuba (Majors)	3-16
MUA 189 & MUA 289 & MUA 389 & MUA 489	Percussion (Majors) and Percussion (Majors) and Percussion (Majors) and Percussion (Majors)	3-16

### Ensemble Courses

Eight semesters of large ensembles should be chosen from the following courses:

Code and Title	Hours
MUA 150 Huxford Symphony Orchestra	1
MUA 250 Huxford Symphony Orchestra	1
MUA 350 Huxford Symphony Orchestra	1
MUA 450 Huxford Symphony Orchestra	1
MUA 152 Wind Ensemble	1
MUA 252 Wind Ensemble	1
MUA 352 Wind Ensemble	1
MUA 452 Wind Ensemble	1
MUA 153 Marching Band	1
MUA 253 Marching Band	1
MUA 353 Marching Band	1
MUA 453 Marching Band	1
MUA 154 Symphonic Band	1
MUA 254 Symphonic Band	1
MUA 354 Symphonic Band	1
MUA 454 Symphonic Band	1
MUA 156 Percussion Ensemble	1
MUA 256 Percussion Ensemble	1
MUA 356 Percussion Ensemble	1

MUA 456 Percussion Ensemble	1
MUA 158 Contemporary Ensemble	1
MUA 258 Contemporary Ensemble	1
MUA 358 Contemporary Ensemble	1
MUA 458 Contemporary Ensemble	1
MUA 159 Jazz Ensembles	1
MUA 259 Jazz Ensemble	1
MUA 359 Jazz Ensembles	1
MUA 459 Jazz Ensemble	1
MUA 167 Jazz Combo	1
MUA 267 Jazz Combo	1
MUA 367 Jazz Combo	1
MUA 467 Jazz Combo	1

### Voice Track

Students must earn 22 hours and eight semesters in applied study, with a minimum of five hours at the 300 level and five hours at the 400 level. During a recital semester, students should register for two hours of applied lessons.

Code and Title	Hours
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 215 Theory III: Chromatic Harmony	4
MUS 217 Theory IV: Advanced Harmony	4
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3
MUS 252 Music History II	3
MUS 323 Music History III	3
MUS 254 Diction For Singers I	3
MUS 255 Diction For Singers II	3
MUS 303 or 16th-Century Counterpoint	3
MUS 304 18th-Century Counterpoint I	
Select one of the following:	3
MUS 303 16th-Century Counterpoint	
MUS 304 18th-Century Counterpoint I	
MUS 403 18th-Century Counterpoint II	
MUS 418 Schenkerian Analysis	
MUS 426 Analysis of 20th-Century Music	
MUS 307 Form And Analysis	3
MUS 351 Fund Of Conducting	2
MUS 444 Vocal Pedagogy	2
MUS 474 Song Literature	3
MUS 475 Song Literature	3
MUS 492 Choral Conducting	2
MUA 010 Music Convocation (five semesters)	0
MUA 174 Voice (Majors) (two semesters)	6
MUA 274 Voice (Majors) (two semesters)	6
MUA 199 Sophomore Qualifying	0
MUA 374 Voice (Majors) (two semesters)	5
MUA 399 Junior Recital	1
MUA 474 Voice (Majors) (two semesters)	5
MUA 499 Senior Recital	1
MUA choral ensemble (eight semesters)	8

	Credit Hours Subtotal:	87
MUA 121 Class Piano I		1
& MUA 122 and Class Piano II		
& MUA 123 and Class Piano III		
& MUA 124 or and Class Piano IV		
MUA 299 Piano Proficiency		

**Ancillary Courses**

The voice performance track requires 16 hours of French, German and Italian with two semesters in at least one language.

FR 101 Elementary French I		4
GN 101 or Elementary German I		4
GN 103 Accelerated Elementary German		
IT 101 Introductory Italian I		4
Select one of the following:		4
FR 102 Elementary French II		
GN 102 Elementary German II		
IT 102 Introductory Italian II		

Credit Hours Subtotal: 17

**Total Hours 104**

**Choral Ensemble Courses**

Eight semesters of choral ensembles should be chosen from the following courses:

Code and Title	Hours
MUA 162 University Chorus	1
MUA 262 University Chorus	1
MUA 362 University Chorus	1
MUA 462 University Chorus	1
MUA 163 University Singers	1
MUA 263 University Singers	1
MUA 363 University Singers	1
MUA 463 University Singers	1

**Jazz Studies Track**

Code and Title	Hours
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 215 Theory III: Chromatic Harmony	4
MUS 217 Theory IV: Advanced Harmony	4
MUS 228 Jazz Piano Jazz Theory I	1
MUS 229 Jazz Piano And Theory II	1
MUS 230 Improvisation I	1
MUS 231 Improvisation II	1
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3
MUS 252 Music History II	3
MUS 303 or 16th-Century Counterpoint	3
MUS 304 18th-Century Counterpoint I	
MUS 307 Form And Analysis	3
MUS 310 Arranging	3
MUS 312 Intermediate Arranging	3
MUS 323 Music History III	3
MUS 331 Jazz Symposium <sup>1</sup>	3
MUS 340 Intro Recording Techniq	3

MUS 351 Fund Of Conducting		2
MUS 401 Film Scoring I		3
MUS 402 Film Scoring II		3
MUS 405 Studio Tech Arrang Orchs		3
MUS 461 History/Literature Jazz		3
MUA 121 Class Piano I		4
& MUA 122 and Class Piano II		
& MUA 123 and Class Piano III		
& MUA 124 or and Class Piano IV		
MUA 299 Piano Proficiency		
MUA 010 Music Convocation (five semesters)		0
MUA applied instrument 100 level (two semesters)		4
MUA applied instrument 200 level (two semesters)		4
MUA 199 Sophomore Qualifying		0
MUA applied instrument 300 level (two semesters)		4
MUA applied instrument 400 level (two semesters)		3
MUA 499 Senior Recital		1
MUA 159 Jazz Ensembles ((four semesters))		4
MUA 167 Jazz Combo		4
& MUA 267 and Jazz Combo		
& MUA 367 and Jazz Combo		
& MUA 467 and Jazz Combo ((four semesters))		

**Total Hours 92**

**Footnotes**

<sup>1</sup> MUS 331 Jazz Symposium will be used as an upper-level theory requirement in jazz studies.

**MUA Applied Study Courses**

Students must earn 16 hours and eight semesters in a single jazz instrument, with a minimum of eight hours at the 300 level chosen from the following courses:

Code and Title	Hours
MUA 171 Piano (Majors)	3-16
& MUA 271 and Piano (Majors)	
& MUA 371 and Piano (Majors)	
& MUA 471 and Piano (Majors)	
MUA 178 Double Bass (Majors)	3-16
& MUA 278 and Double Bass (Majors)	
& MUA 378 and Double Bass (Majors)	
& MUA 478 and Double Bass (Majors)	
MUA 179 Flute (Majors)	3-16
& MUA 279 and Flute (Majors)	
& MUA 379 and Flute (Majors)	
& MUA 479 and Flute (Majors)	
MUA 182 Clarinet (Majors)	3-16
& MUA 282 and Clarinet (Majors)	
& MUA 382 and Clarinet (Majors)	
& MUA 482 and Clarinet (Majors)	
MUA 183 Saxophone (Majors)	3-16
& MUA 283 and Saxophone (Majors)	
& MUA 383 and Saxophone (Majors)	
& MUA 483 and Saxophone (Majors)	
MUA 184 Trumpet (Majors)	3-16
& MUA 284 and Trumpet (Majors)	
& MUA 384 and Trumpet (Majors)	
& MUA 484 and Trumpet (Majors)	

MUA 186 & MUA 286 & MUA 386 & MUA 486	Trombone (Majors) and Trombone (Majors) and Trombone (Majors) and Trombone (Majors)	3-16
MUA 189 & MUA 289 & MUA 389 & MUA 489	Percussion (Majors) and Percussion (Majors) and Percussion (Majors) and Percussion (Majors)	3-16
MUA 190 & MUA 290 & MUA 390 & MUA 490	Guitar (Majors) and Guitar (Majors) and Guitar (Majors) and Guitar (Majors)	3.5-16

Career opportunities include full-time work as a performing musician, full-time opportunities as a licensed music therapist, and many other opportunities within the music industry.

## Types of Jobs Accepted

Recent graduates from The University of Alabama are very successful in major symphony orchestras, military bands, jazz, as freelancers, and as working music therapists.

Learn more about opportunities in this field at the Career Center

## Music Theory, BM

Students entering this program should have a strong background in music. This should include performance experience with a specific instrument or voice type.

## Admission into the Major

In order to declare a major in music theory, students must submit a writing sample and a statement of career goals and must take an exam on music fundamentals. To begin the application process, students must fill out a separate Audition Request Form, which is available online at <http://music.ua.edu/apply-audition/>. Upon successful review of the materials, students are expected to declare a major formally no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

Students earning the bachelor of music (BM) degree with a major in theory must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements and other sufficient credits to total a minimum of 129 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 215 Theory III: Chromatic Harmony	4
MUS 217 Theory IV: Advanced Harmony	4
MUS 219 Composition I	2
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3
MUS 252 Music History II	3
MUS 300 Readings in Music Theory	2
MUS 303 16th-Century Counterpoint	3
MUS 304 18th-Century Counterpoint I	3

MUS 307	Form And Analysis	3
MUS 323	Music History III	3
MUS 325	Instrumentation	3
MUS 351	Fund Of Conducting	2
MUS 403	18th-Century Counterpoint II	3
MUS 418	Schenkerian Analysis	3
MUS 426	Analysis of 20th-Century Music	3
MUS 492 or MUS 494	Choral Conducting Band Conducting	2
MUS electives 300 or 400 level		3
MUA 010	Music Convocation ((five semesters))	0
Select four of the following:		8
MUA 121 & MUA 122 & MUA 123 & MUA 124 or MUA 299	Class Piano I and Class Piano II and Class Piano III and Class Piano IV Piano Proficiency	
MUA applied (four semesters)		4
MUA 231	Piano (Secondary)	0.5-1
MUA ensembles (four semesters)		4

**Total Hours**

**76.5-77**

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- or 400-level courses in the major must be earned on this campus.

## Required Minor

The music theory major does not require the completion of a minor.

## Additional Major Requirements

MUS 121 Intro To Listening does not satisfy the fine arts (FA) general education requirement for music majors. Theory majors may audition for status as "principals" in any instrument or voice. Principal status qualifies the student for two hours of credit per semester instead of the usual one hour. No more than 10 hours or fewer than two hours may be taken in any single instrument or family of instruments. Students who do not qualify as piano principals must enroll for that instrument during every semester. The Seminar in Music Theory Research is normally taken during the second semester of the student's sophomore year. During the senior year, theory majors must present, to the satisfaction of the theory faculty, a paper delivered as a lecture based on research done under the supervision of theory faculty.

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## MUA Applied Courses

Students must earn a minimum of four hours and four semesters in a single instrument or voice chosen from:

Code and Title	Hours
MUA 231 Piano (Secondary)	1
MUA 232 Organ (Secondary)	1
MUA 233 Harpsichord (Secondary)	1
MUA 234 Voice (Secondary)	1
MUA 235 Violin (Secondary)	1
MUA 236 Viola (Secondary)	1
MUA 237 Cello (Secondary)	1
MUA 238 Double Bass (Secondary)	1
MUA 239 Flute (Secondary)	1
MUA 240 Oboe (Secondary)	1
MUA 241 Bassoon (Secondary)	1
MUA 242 Clarinet (Secondary)	1
MUA 243 Saxophone (Secondary)	1
MUA 244 Trumpet (Secondary)	1
MUA 245 French Horn (Secondary)	1
MUA 246 Trombone (Secondary)	1
MUA 247 Euphonium (Secondary)	1
MUA 248 Tuba (Secondary)	1
MUA 249 Percussion (Secondary)	1

## MUA Ensemble Courses

Four semesters of ensembles should be chosen from the following courses:

Code and Title	Hours
MUA 150 Huxford Symphony Orchestra	1
MUA 250 Huxford Symphony Orchestra	1
MUA 350 Huxford Symphony Orchestra	1
MUA 450 Huxford Symphony Orchestra	1
MUA 152 Wind Ensemble	1
MUA 252 Wind Ensemble	1
MUA 352 Wind Ensemble	1
MUA 452 Wind Ensemble	1
MUA 154 Symphonic Band	1
MUA 254 Symphonic Band	1
MUA 354 Symphonic Band	1
MUA 454 Symphonic Band	1
MUA 156 Percussion Ensemble	1
MUA 256 Percussion Ensemble	1
MUA 356 Percussion Ensemble	1
MUA 456 Percussion Ensemble	1
MUA 158 Contemporary Ensemble	1
MUA 258 Contemporary Ensemble	1
MUA 358 Contemporary Ensemble	1
MUA 458 Contemporary Ensemble	1
MUA 159 Jazz Ensembles	1
MUA 259 Jazz Ensemble	1
MUA 359 Jazz Ensembles	1
MUA 459 Jazz Ensemble	1

MUA 162 University Chorus	1
MUA 262 University Chorus	1
MUA 362 University Chorus	1
MUA 462 University Chorus	1
MUA 163 University Singers	1
MUA 263 University Singers	1
MUA 363 University Singers	1
MUA 463 University Singers	1

Career opportunities include full-time work as a performing musician, full-time opportunities as a licensed music therapist, and many other avenues within the music industry.

## Types of Jobs Accepted

Recent graduates from The University of Alabama are very successful in major symphony orchestras, military bands, jazz, as freelancers, and as working music therapists.

Learn more about opportunities in this field at the Career Center

## Music Therapy, BM

Students entering this program should have a strong background in music. This should include performance experience with a specific instrument or voice type.

## Admission into the Major

All students must pass an audition in order to declare a music therapy major. To schedule an audition, students must fill out a separate application to the School of Music, which is available online at [music.ua.edu/apply-audition](http://music.ua.edu/apply-audition).

Auditions typically take place between January and March prior to fall enrollment. Upon successful audition, students are expected to declare a major formally no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

Students earning the bachelor of music (BM) degree with a major in music therapy must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements and other sufficient credits to total a minimum of 132 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
MUA 010 Music Convocation (five semesters)	0
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 215 Theory III: Chromatic Harmony	4
MUS 217 Theory IV: Advanced Harmony	4
MUS 180 Intro Music Therapy	3
MUS 181 Music Therapy Practicum	1
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3
MUS 252 Music History II	3
MUS 323 Music History III	3
MUS 280 Music Therapy Rep	3
MUS 281 Music Therapy Techniques	3

MUS 282	Music Therapy Practicum (two semesters)	1
MUS 283	Obs & Orient to Music Therapy	3
MUS 382	Music Therapy Practicum (four semesters)	1
MUS 351	Fund Of Conducting	2
MUS 380	Intro Psychology Music	3
MUS 480	Music in Therapy I	3
MUS 481	Music Therapy II	3
MUS 482	Music Therapy III	3
MUS 488	Comp Exam Music Therapy	0
MUS 489	Music Therapy Internship	6
MUE 251	Intro To Winds, Str, Per	3

**Principal Course Requirements**

Additional study	5
MUA Major Applied (six semesters)	6
MUA 220 Beginning Class Guitar	2

**Ensemble Course Requirements**

MUA ensembles (six semesters)	6
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**Ancillary Courses**

Grades in ancillary courses are not computed in the major GPA. The major in music therapy requires the successful completion of the following courses outside the major:

PY 101	Intro To Psychology	3
PY 358	Psychopathology	3
BSC 108	Intro Biology Non Maj I	4
BSC 109	Intro Biology Non Maj II	4
Credit Hours Subtotal:		99

**Total Hours** 99

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- or 400-level courses in the major must be earned on this campus.

## Required Minor

The music therapy major does not require the completion of a minor.

## Additional Major Requirements

MUS 121 Intro To Listening does not satisfy the fine arts (FA) general education requirement for music majors. Piano and guitar proficiencies must be passed prior to the internship. Admission to any music therapy course at the 300 level or above is contingent upon:

- the successful completion of MUS 217 Theory IV: Advanced Harmony
- a cumulative grade point average of at least 2.0
- grades of C- or higher in all previous music therapy courses or, for equivalency students, acceptance into the program; all requirements must be completed prior to enrollment in MUS 489 Music Therapy Internship

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also

available for additional assistance with minor, College and University requirements.

## MUA Principal Courses

Students must earn a minimum of 6 hours and six semesters in a single instrument or voice. These courses should be chosen from the following courses:

Code and Title	Hours
MUA 171 Piano (Majors)	6
& MUA 271 and Piano (Majors)	
& MUA 371 and Piano (Majors)	
MUA 172 Organ (Majors)	6
& MUA 272 and Organ (Majors)	
& MUA 372 and Organ (Majors)	
MUA 174 Voice (Majors)	6
& MUA 274 and Voice (Majors)	
& MUA 372 and Organ (Majors)	
MUA 175 Violin (Majors)	6
& MUA 274 and Voice (Majors)	
& MUA 375 and Violin (Majors)	
MUA 176 Viola (Majors)	6
& MUA 276 and Viola (Majors)	
& MUA 376 and Viola (Majors)	
MUA 177 Cello (Majors)	6
& MUA 277 and Cello (Majors)	
& MUA 377 and Cello (Majors)	
MUA 178 Double Bass (Majors)	6
& MUA 278 and Double Bass (Majors)	
& MUA 378 and Double Bass (Majors)	
MUA 179 Flute (Majors)	6
& MUA 279 and Flute (Majors)	
& MUA 379 and Flute (Majors)	
MUA 180 Oboe (Majors)	6
& MUA 280 and Oboe (Majors)	
& MUA 380 and Oboe (Majors)	
MUA 181 Bassoon (Majors)	6
& MUA 281 and Bassoon (Majors)	
& MUA 381 and Bassoon (Majors)	
MUA 182 Clarinet (Majors)	6
& MUA 282 and Clarinet (Majors)	
& MUA 382 and Clarinet (Majors)	
MUA 183 Saxophone (Majors)	6
& MUA 283 and Saxophone (Majors)	
& MUA 383 and Saxophone (Majors)	
MUA 184 Trumpet (Majors)	6
& MUA 284 and Trumpet (Majors)	
& MUA 384 and Trumpet (Majors)	
MUA 185 French Horn (Majors)	6
& MUA 285 and French Horn (Majors)	
& MUA 385 and French Horn (Majors)	
MUA 186 Trombone (Majors)	6
& MUA 286 and Trombone (Majors)	
& MUA 386 and Trombone (Majors)	
MUA 187 Euphonium (Majors)	6
& MUA 287 and Euphonium (Majors)	
& MUA 387 and Euphonium (Majors)	

MUA 188 & MUA 288 & MUA 388	Tuba (Majors) and Tuba (Majors) and Tuba (Majors)	6
MUA 189 & MUA 289 & MUA 389	Percussion (Majors) and Percussion (Majors) and Percussion (Majors)	6

## Additional Study Courses

In addition to the principal voice, piano or other instrument, students must earn a minimum of five hours of additional study:

### Voice Principal

Code and Title	Hours
MUA 121 & MUA 122 & MUA 123 & MUA 124 or	4
MUA 299	
MUA 271	1-4

### Piano Principal

Code and Title	Hours
MUE 381	1

### Other Instrument Principal

Code and Title	Hours
Select four semesters of the following:	
MUA 121 & MUA 122 & MUA 123 & MUA 124 or	4
MUA 299	
MUA 271	

## MUA Ensemble Courses

Six semesters of ensembles should be chosen from the following courses:

Code and Title	Hours
MUA 150	1
MUA 250	1
MUA 350	1
MUA 152	1
MUA 252	1
MUA 352	1
MUA 153	1
MUA 253	1
MUA 353	1
MUA 154	1
MUA 254	1
MUA 354	1
MUA 156	1
MUA 256	1
MUA 356	1
MUA 158	1
MUA 258	1
MUA 358	1

MUA 159	1
MUA 259	1
MUA 359	1
MUA 160	1
MUA 260	1
MUA 360	1
MUA 161	1
MUA 261	1
MUA 361	1
MUA 162	1
MUA 262	1
MUA 362	1
MUA 163	1
MUA 263	1
MUA 363	1
MUA 167	1
MUA 267	1
MUA 367	1
MUA 157	1
MUA 257	1
MUA 357	1

Career opportunities include full-time work as a performing musician, full-time opportunities as a licensed music therapist, and many other opportunities within the music industry.

## Types of Jobs Accepted

Recent graduates from The University of Alabama are very successful in major symphony orchestras, military bands and jazz, as freelancers, and as working music therapists.

Learn more about opportunities in this field at the Career Center

## Music with a concentration in Arts Administration, BA

Students should have a strong background in music, including performance experience on a major instrument or designated voice type.

An arts administration concentration within the baccalaureate degree program is available in the area of music. The option is designed to provide the student with a curriculum in music combined with a minor in business (p. 580). The arts administration concentration prepares the student for management positions with orchestras, local and state arts councils, performing arts venues, artist agencies, and other related positions in the music industry. The emphasis is on nonprofit organization management.

The basis for the arts administration concentration is a major in music with specified ancillary requirements and a Culverhouse College of Business minor in general business, entrepreneurship, management, or world business. The remainder of the hours required for the degree includes College of Arts and Sciences requirements and electives.

## Admission into the Major

All students must pass an audition in order to declare an Arts Administration major (BA). To schedule an audition, students must fill out a separate application to the School of Music, which is available online at <http://music.ua.edu/apply-audition/>.

Auditions typically take place between January and March prior to fall enrollment. Upon successful audition, students are expected to declare a major formally no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The School of Music offers opportunities for students of all majors to perform with the bands, orchestras, choirs, and jazz and chamber groups. Annually, the school sponsors more than 200 student performances. In addition to performance opportunities, a variety of lectures, forums, and conferences addressing music as an art form are sponsored each year.

Students earning the bachelor of arts (BA) degree with a major in music with an arts administration concentration must complete all University, college and departmental degree requirements. This includes the general education requirements; the following major requirements; all requirements for an approved minor in general business, entrepreneurship, management or world business; and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3
MUS 252 Music History II	3
MUS 323 Music History III	3
MUS 340 Intro Recording Techniq	3
MUS 365 Legal Issues in the Arts	3
MUS 496 Music Admin Internship	3-6
MUS electives 300 or 400 level <sup>1</sup>	4
MUA 010 Music Convocation (five semesters)	0
MUA applied 100 level (two semesters)	2
MUA applied 200 level (two semesters)	2
MUA ensembles (four semesters)	
Credit Hours Subtotal:	37-40

### Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in music with the arts administration concentration requires the successful completion of 12 hours from the following courses outside the major:

ARH 252 Survey of Art I	3
ARH 253 Survey Of Art II	3
ARH 254 Survey Of Art III	3
MUS 315 Mus Managemt Activity	2
MUS 427 Studies In Special Lit	3
MUS 490 Raising Money Dev Arts	2
MUS 461 History/Literature Jazz	3
NEW 490 Special Topics	3
TH 114 Intro To The Theatre	3
PHL 291 Aesthetics	3
MUS 326 Arts Venues Management	2
MUS 407 Marketing the Arts	2

Credit Hours Subtotal: 32

**Total Hours** 69-72

### Footnotes

<sup>1</sup> MUS 315 Mus Managemt Activity and MUS 490 Raising Money Dev Arts are recommended.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

This major requires the completion of a minor in general business, entrepreneurship, management or world business.

## Additional Major Requirements

MUS 121 Intro To Listening does not satisfy the fine arts (FA) general education requirement for music majors. Students are responsible for ensuring that they have met all University, college, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, college and University requirements.

## MUA Applied Courses

Students must earn a minimum of four hours and four semesters in a single instrument or voice chosen from:

Code and Title	Hours
MUA 170 Harp (Majors) & MUA 270 and Harp (Majors)	1-4
MUA 171 Piano (Majors) & MUA 271 and Piano (Majors)	1-4
MUA 172 Organ (Majors) & MUA 272 and Organ (Majors)	1-4
MUA 174 Voice (Majors) & MUA 274 and Voice (Majors)	0.5-4
MUA 175 Violin (Majors) & MUA 275 and Violin (Majors)	1-4
MUA 176 Viola (Majors) & MUA 276 and Viola (Majors)	1-4
MUA 177 Cello (Majors) & MUA 277 and Cello (Majors)	1-4
MUA 178 Double Bass (Majors) & MUA 278 and Double Bass (Majors)	1-4
MUA 179 Flute (Majors) & MUA 279 and Flute (Majors)	1-4
MUA 180 Oboe (Majors) & MUA 280 and Oboe (Majors)	1-4
MUA 181 Bassoon (Majors) & MUA 281 and Bassoon (Majors)	1-4
MUA 182 Clarinet (Majors) & MUA 282 and Clarinet (Majors)	1-4



MUA 183 & MUA 283	Saxophone (Majors) and Saxophone (Majors)	1-4
MUA 184 & MUA 284	Trumpet (Majors) and Trumpet (Majors)	1-4
MUA 185 & MUA 285	French Horn (Majors) and French Horn (Majors)	1-4
MUA 186 & MUA 286	Trombone (Majors) and Trombone (Majors)	1-4
MUA 187 & MUA 287	Euphonium (Majors) and Euphonium (Majors)	1-4
MUA 188 & MUA 288	Tuba (Majors) and Tuba (Majors)	1-4
MUA 189 & MUA 289	Percussion (Majors) and Percussion (Majors)	1-4
MUA 190 & MUA 290	Guitar (Majors) and Guitar (Majors)	1-4

## MUA Ensemble Courses

Four semesters of ensembles should be chosen from the following courses:

Code and Title	Hours
MUA 150 Huxford Symphony Orchestra	1
MUA 250 Huxford Symphony Orchestra	1
MUA 350 Huxford Symphony Orchestra	1
MUA 450 Huxford Symphony Orchestra	1
MUA 152 Wind Ensemble	1
MUA 252 Wind Ensemble	1
MUA 352 Wind Ensemble	1
MUA 452 Wind Ensemble	1
MUA 153 Marching Band	1
MUA 253 Marching Band	1
MUA 353 Marching Band	1
MUA 453 Marching Band	1
MUA 154 Symphonic Band	1
MUA 254 Symphonic Band	1
MUA 354 Symphonic Band	1
MUA 454 Symphonic Band	1
MUA 156 Percussion Ensemble	1
MUA 256 Percussion Ensemble	1
MUA 356 Percussion Ensemble	1
MUA 456 Percussion Ensemble	1
MUA 158 Contemporary Ensemble	1
MUA 258 Contemporary Ensemble	1
MUA 358 Contemporary Ensemble	1
MUA 458 Contemporary Ensemble	1
MUA 159 Jazz Ensembles	1
MUA 259 Jazz Ensemble	1
MUA 359 Jazz Ensembles	1
MUA 459 Jazz Ensemble	1
MUA 160 Opera Workshop	1
MUA 260 Opera Workshop	1
MUA 360 Opera Workshop	1
MUA 460 Opera Workshop	1

MUA 161	Opera Production	1
MUA 261	Opera Production	1
MUA 361	Opera Production	1
MUA 461	Opera Production	1
MUA 162	University Chorus	1
MUA 262	University Chorus	1
MUA 362	University Chorus	1
MUA 462	University Chorus	1
MUA 163	University Singers	1
MUA 263	University Singers	1
MUA 363	University Singers	1
MUA 463	University Singers	1
MUA 166	Piano Ensemble I	1
MUA 266	Piano Ensemble	1
MUA 167	Jazz Combo	1
MUA 267	Jazz Combo	1
MUA 367	Jazz Combo	1
MUA 467	Jazz Combo	1

## Types of Jobs Accepted

Completion of this degree program prepares the student for many avenues within the professional world associated with music.

Learn more about opportunities in this field at the Career Center

## Music, BA

Students entering this program should have a strong background in music. This should include performance experience with a specific instrument or voice type.

## Admission into the Major

All students must pass an audition in order to declare a general music major (BA). To schedule an audition, students must fill out a separate application to the School of Music, which is available online at <https://music.ua.edu/apply-audition/undergraduates/undergraduate-audition-request/>.

Auditions typically take place between January and March prior to fall enrollment. Upon successful audition, students are expected to declare a major formally no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

Students earning the bachelor of arts (BA) degree must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 215 Theory III: Chromatic Harmony	4
MUS 217 Theory IV: Advanced Harmony	4
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3

MUS 252	Music History II	3
MUS 323	Music History III	3
MUS 307	Form And Analysis	3
MUS 497	Senior Project	1
MUS electives 300 or 400 level		9
MUA applied 100 level (two semesters)		2
MUA applied 200 level (two semesters)		2
MUA ensembles (four semesters)		4
MUA 010	Music Convocation (five semesters)	0
<b>Total Hours</b>		<b>49</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Ancillary Courses

The music major does not require ancillary courses.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

MUS 121 Intro To Listening does not satisfy the fine arts (FA) general education requirement for music majors. At the beginning of the senior year, the student, in consultation with the music adviser, selects a faculty adviser for the senior project, which is usually a substantial paper on a historical or theoretical topic. The topic and format of the project must be approved by the project adviser. The project must be turned in one month before the last day of classes in the final semester. It will be examined by a faculty committee selected by the project adviser. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## MUA Applied Courses

Students must earn a minimum of four hours and four semesters in a single instrument or voice chosen from the following courses:

Code and Title	Hours
MUA 170 Harp (Majors) & MUA 270 and Harp (Majors)	4
MUA 171 Piano (Majors) & MUA 271 and Piano (Majors)	4
MUA 172 Organ (Majors) & MUA 272 and Organ (Majors)	4
MUA 174 Voice (Majors) & MUA 274 and Voice (Majors)	4
MUA 175 Violin (Majors) & MUA 275 and Violin (Majors)	4

MUA 176 Viola (Majors) & MUA 276 and Viola (Majors)	4
MUA 177 Cello (Majors) & MUA 277 and Cello (Majors)	4
MUA 178 Double Bass (Majors) & MUA 278 and Double Bass (Majors)	4
MUA 179 Flute (Majors) & MUA 279 and Flute (Majors)	4
MUA 180 Oboe (Majors) & MUA 280 and Oboe (Majors)	4
MUA 181 Bassoon (Majors) & MUA 281 and Bassoon (Majors)	4
MUA 182 Clarinet (Majors) & MUA 282 and Clarinet (Majors)	4
MUA 183 Saxophone (Majors) & MUA 283 and Saxophone (Majors)	4
MUA 184 Trumpet (Majors) & MUA 284 and Trumpet (Majors)	4
MUA 185 French Horn (Majors) & MUA 285 and French Horn (Majors)	4
MUA 186 Trombone (Majors) & MUA 286 and Trombone (Majors)	4
MUA 187 Euphonium (Majors) & MUA 287 and Euphonium (Majors)	4
MUA 188 Tuba (Majors) & MUA 288 and Tuba (Majors)	4
MUA 189 Percussion (Majors) & MUA 289 and Percussion (Majors)	4
MUA 190 Guitar (Majors) & MUA 290 and Guitar (Majors)	4

## MUA Ensemble Courses

Four semesters of ensemble should be chosen from the following courses:

Code and Title	Hours
MUA 150 Huxford Symphony Orchestra	1
MUA 250 Huxford Symphony Orchestra	1
MUA 350 Huxford Symphony Orchestra	1
MUA 450 Huxford Symphony Orchestra	1
MUA 152 Wind Ensemble	1
MUA 252 Wind Ensemble	1
MUA 352 Wind Ensemble	1
MUA 452 Wind Ensemble	1
MUA 153 Marching Band	1
MUA 253 Marching Band	1
MUA 353 Marching Band	1
MUA 453 Marching Band	1
MUA 154 Symphonic Band	1
MUA 254 Symphonic Band	1
MUA 354 Symphonic Band	1
MUA 454 Symphonic Band	1
MUA 156 Percussion Ensemble	1
MUA 256 Percussion Ensemble	1
MUA 356 Percussion Ensemble	1

MUA 456	Percussion Ensemble	1
MUA 158	Contemporary Ensemble	1
MUA 258	Contemporary Ensemble	1
MUA 358	Contemporary Ensemble	1
MUA 458	Contemporary Ensemble	1
MUA 159	Jazz Ensembles	1
MUA 259	Jazz Ensemble	1
MUA 359	Jazz Ensembles	1
MUA 459	Jazz Ensemble	1
MUA 160	Opera Workshop	1
MUA 260	Opera Workshop	1
MUA 360	Opera Workshop	1
MUA 460	Opera Workshop	1
MUA 161	Opera Production	1
MUA 261	Opera Production	1
MUA 361	Opera Production	1
MUA 461	Opera Production	1
MUA 162	University Chorus	1
MUA 262	University Chorus	1
MUA 362	University Chorus	1
MUA 462	University Chorus	1
MUA 163	University Singers	1
MUA 263	University Singers	1
MUA 363	University Singers	1
MUA 463	University Singers	1
MUA 167	Jazz Combo	1
MUA 267	Jazz Combo	1
MUA 367	Jazz Combo	1
MUA 467	Jazz Combo	1

## Types of Jobs Accepted

Completion of this degree program prepares the student for many avenues within the professional world associated with music.

Learn more about opportunities in this field at the Career Center

## Music, Minor

### Admission into the Minor

All students must pass an audition in order to declare a minor in music. To schedule an audition, students must fill out a separate application to the School of Music, which is available online at [music.ua.edu/undergraduates/auditions](http://music.ua.edu/undergraduates/auditions).

Auditions typically take place between January and March prior to fall enrollment. Upon successful audition, students are expected to declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 121 or Intro To Listening	3
MUS 250 Music In World Cultures	
MUA 010 Music Convocation (four semesters)	0

Credit Hours Subtotal:	11
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### Electives

Select four hours of MUA applied 100 level (four semesters) <sup>1</sup>	4
Select four hours of MUA ensembles (four semesters) <sup>2</sup>	4
Select six hours of upper division (300 or 400 level) MUS electives	6
Credit Hours Subtotal:	14

<b>Total Hours</b>	<b>25</b>
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### Footnotes

<sup>1</sup> Students must earn a minimum of four hours and four semesters in a single instrument or voice.

<sup>2</sup> Students must complete four semesters of ensembles.

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Single Instrument or Voice Courses

Students must earn a minimum of four hours and four semesters in a single instrument or voice chosen from:

Code and Title	Hours
MUA 131 Piano (Non-Majors)	1
MUA 132 Organ (Non-Majors)	1
MUA 133 Harpsichord (Non-Majors)	1
MUA 134 Voice (Non-Majors)	1
MUA 135 Violin (Non-Majors)	1
MUA 136 Viola (Non-Majors)	1
MUA 137 Cello (Non-Majors)	1
MUA 138 Double Bass (Non-Majors)	1
MUA 139 Flute (Non-Majors)	1
MUA 140 Oboe (Non-Majors)	1
MUA 141 Bassoon (Non-Majors)	1
MUA 142 Clarinet (Non-Majors)	1
MUA 143 Saxophone (Non-Majors)	1
MUA 144 Trumpet (Non-Majors)	1
MUA 145 French Horn (Non-Majors)	1
MUA 146 Trombone (Non-Majors)	1
MUA 147 Euphonium (Non-Majors)	1

MUA 148	Tuba (Non-Majors)	1
MUA 149	Percussion (Non-Majors)	1

## Ensemble Courses

Four semesters of ensembles should be chosen from the following courses:

Code and Title	Hours
MUA 150 Huxford Symphony Orchestra	1
MUA 250 Huxford Symphony Orchestra	1
MUA 152 Wind Ensemble	1
MUA 252 Wind Ensemble	1
MUA 154 Symphonic Band	1
MUA 254 Symphonic Band	1
MUA 156 Percussion Ensemble	1
MUA 256 Percussion Ensemble	1
MUA 158 Contemporary Ensemble	1
MUA 258 Contemporary Ensemble	1
MUA 159 Jazz Ensembles	1
MUA 259 Jazz Ensemble	1
MUA 162 University Chorus	1
MUA 262 University Chorus	1
MUA 163 University Singers	1
MUA 263 University Singers	1

## New College

The major objective of New College is to create an opportunity for a highly individualized education that allows students to draw from the resources of all University classes and faculty. The New College curriculum has two principle elements. The first element is the depth study, which is the student's area of concentration. Students are also expected to develop their own independent or self-directed studies and out-of-class learning experiences to enhance their understanding of the subject of their depth studies and to add to their learning experiences. The second element is the general education component, which provides students with opportunities to integrate humanities, social sciences, and natural sciences beyond their depth study. The interdisciplinary experience in New College affords excellent preparation for students with ambitions for graduate study or for professional careers in various areas, including law and medicine.

- Majors
  - Interdisciplinary Studies, BA (p. 519)
  - Interdisciplinary Studies, BS (p. 520)
- Minors (On-campus Only)
  - Civic Engagement and Leadership (p. 517)
  - Natural Resources (p. 521)
  - Student Designed (p. 523)
  - Interdisciplinary Environmental Studies (p. 518)

### Director

- Cherry, Julia A.

### Assistant Director

- Miller, John C. H.

### Professors

- Adams, Natalie G.
- Cherry, Julia A.
- Galbraith, Marysia H.
- Roach, Catherine M.
- Steinberg, Michael K.
- Trost, Theodore L.

### Associate Professors

- Dewar, Andrew R.
- Spears, Ellen G.

### Assistant Professors

- Brickman, Barbara J.
- Hopson, Holland G.
- Miller, John C. H.
- Willis, Vincent

### Professors emeriti

- Blewitt, Harry L, PhD
- Passerini, Edward M, PhD

### Instructors

- Caputo, Jennifer L.
- Colburn, Kimberly R.
- Connell, Patia Meleah
- Espy-Brown, Amanda S.
- Jones, Scott
- Pirkle, Amy L.
- Purcell, Margaret

### NCLT101 Foundations of Adult Learning Seminar

Hours 3

Each prospective LifeTrack student is required to attend the on-campus 2-day Adult Learning Seminar. This seminar includes online work in writing, assessment of computer skills, examining potential for learning outcomes including experiential learning and critical reading and thinking skills.

Prerequisite(s): Students must be fully admitted to the University of Alabama and it must be taken within the first six to nine months of admittance.

### NEW100 Intro Interdisc Integratv Stdy

FCMP

Hours 1-2

Designed to help current and prospective New College students become more informed about the University and about the interdisciplinary studies degree so that they may maximize their opportunities in their undergraduate programs through New College.

Freshman Compass

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[View All Courses](#)

## Faculty

### Director

Cherry, Julia A.

**Assistant Director**

Miller, John C. H.

**Professors**

Adams, Natalie G.

Cherry, Julia A.

Galbraith, Marysia H.

Roach, Catherine M.

Steinberg, Michael K.

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Connell, Patia Meleah

Espy-Brown, Amanda S.

Jones, Scott

Pirkle, Amy L.

Purcell, Margaret

## Civic Engagement and Leadership, Minor

The Minor in Civic Engagement and Leadership is administered by New College and the Department of Philosophy with the Army and Air Force ROTC Programs.

New College

201 Lloyd Hall

as.ua.edu/nc

newcollege@as.ua.edu

Department of Philosophy

336 ten Hoor Hall

as.ua.edu/philosophy

philosophy@as.ua.edu

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama. This minor is restricted to residential students; New College LifeTrack does not offer minors.

Code and Title	Hours	
<b>Minor Courses</b>		
NEW 237 or NEW 238	Social Problems, Social Change Honors: Coop. & Conflict	4
PHL 292 or PHL 221	Introduction to Ethics Honors Introduction to Ethics	3
Select one of the following:		12
Elective courses (two approved from 300 or 400 level and two approved from 100-400 level)		
MIL or AFS Secondary Courses		
<b>Total Hours</b>		<b>19</b>

## Elective Courses

Students must earn 12 hours of courses chosen from the following. Another course may be substituted with prior approval from the Director of New College. Courses that count towards your major field of study cannot be used to fulfill the requirements for a minor.

Code and Title	Hours	
AAST/WS 352	Social Inequality	3
AAST 395	Special Topics (Defining Diversity on Campus)	3
COM 122	Critical Decision Making	3
COM 225	Small Group Communicatn	3
COM 460	Group Leadership	3
HY 330	Civil Rights Movement	3
NEW 120	Sustained Dialogue	3
NEW 270	Leader Soc Justice Activism	3
NEW 273	Social Issues & Ethics	4
NEW 310	Independent Study (310-322)	1 to 15
NEW 436	Public Leadership	4
NEW 472	Social Change	4
NEW 490	Special Topics (Nonprofit Management)	3
NEW 490	Special Topics (American Law)	4
PHL 100	Intro To Philosophy	3
WS 310	Special Topics (Redefining Diversity on Campus)	3
WS 352	Social Inequality	3

## MIL and AFS Secondary Courses

Qualified ROTC Candidates may complete secondary courses from the following:

Code and Title	Hours	
AFS 350	Leadrsrp & Communication	3
AFS 360	Leadrsrp & Communication	3
AFS 470	Nat'l Security & Ldrship	3
AFS 480	Nat'l Security & Ldrship	3
MIL 110	Leadership/Natl Security	1
MIL 120	Foundatn Leadership Team Develm	1
MIL 210	Basic Leadership Skills	2
MIL 220	Military Leadership Skills	2
MIL 310	Small Unit Tactical Leadership	3
MIL 320	Advanced Leadership Skills	3

MIL 410	Military Science IV	3
MIL 420	Military Science IV	3

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Interdisciplinary Environmental Studies, Minor

The interdisciplinary environmental studies minor is administered by New College and the Department of Geography.

Department of Geography, 202 Farrah Hall  
geography.ua.edu  
geography@as.ua.edu

New College  
201 Lloyd Hall  
https://nc.as.ua.edu  
newcollege@as.ua.edu

The objective of the interdisciplinary environmental studies minor is to provide undergraduates with interdisciplinary training in environmental studies. Drawing on the humanities, the social sciences, and the natural sciences, this minor acquaints students with current environmental problems and the tools of analysis to identify causes and solutions. Contact Dr. Mike Steinberg, mksteinberg@ua.edu, for information.

## Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama. This minor is restricted to residential students; New College LifeTrack does not offer minors.

The minor in interdisciplinary environmental studies requires the successful completion of a minimum of 17 semester hours including the following:

Code and Title	Hours
<b>Minor Courses</b>	
Select one of the following:	4
NEW 215 Perspec. on Env. Literature	
NEW 230 Environmental Studies	
NEW 243 Interdisciplinary Sciences	

Electives	13-14
<b>Total Hours</b>	<b>17-18</b>

## Electives

Students must earn 10–11 hours chosen from (but not limited to) the following courses :

Code and Title	Hours
BSC 385 Ecology and Evolution	3
BSC 482 Conservation Biology	3
EC 480 Econ of Environment	3
GEO 105 Sustainable Earth	4
GEO 363 Geomorphology	3
GEO 401 Paleoclimatology	3
GY 202 The Water Planet	4
GY 302 Climatology	3
GY 317 Natural Hazards	3
GY 339 Natural Resource Envrirn Plang	3
GY 363 Geomorphology	3
GY 404 Physical Geography Seast Us	3
GY 409 Forest History and Restoration	4
GY 410 National Parks	3
GY 413 Applied Climatology	3
GY 420 Remote Sensing I	4
GY 430 Intro Geographic Info Systems	1,3
GY 439 GIS Programming	4
GY 453 Environment & Society	3
GY 472 Soils	4
GY 485 River Hydrology	3
GY 486 Watershed Dynamics	3
GY 489 Forest Ecology Veg Analy	4
GY 491 Fluvial Geomorphology	3
GY 492 Eastern Forest Communities	4
GY 494 Forest Measurement & Methods	4
GY 585 River Hydrology	3
NEW 226 Organic Farming	4
NEW 310 Independent Study	1-15
NEW 365 Environmental Policy	3
NEW 400 Sporting Conservation	3
NEW 401 Birds and Birding	4
NEW 407 Landscapes of the South	3
NEW 416 American Environmental Thought	3
NEW 441 Climate Change Seminar	4
NEW 442 Environmental Ethics	3
NEW 450 Belize	6
NEW 490 Special Topics (Arts & Science of Fly Fishing)	4

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Interdisciplinary Studies, BA

New College's emphasis on student choice and responsibility promotes the creativity, flexibility, and adaptability necessary for effective participation in the emergent communities of the future.

## Admission into the Program

Applications to the New College on-campus program are available at <https://newcollege.ua.edu/degree-program/apply/>. The admission process is separate from, and in addition to, admission to The University of Alabama. Two factors are taken into consideration when making a decision for admission: the degree of motivation and serious intellectual independence exhibited by the applicant and the potential for the University to meet the applicant's academic goals. For details on the admissions process, please refer to the New College website.

Admission to the New College LifeTrack program is restricted to nontraditional students, typically 25 years of age or older, with a high school diploma or a GED score of 50 or higher (if taken prior to January 2002) and 500 or higher (if taken after January 2002). Students must be admitted to the University of Alabama and have a cumulative GPA of 2.0 or higher on all previous college work. For details on the admissions process, please refer to the New College LifeTrack website.

## New College Requirements

Students complete the bachelor of arts (BA) or the bachelor of science (BS) degree depending on the area in which the depth study is done. Students also complete all University, College of Arts and Sciences, and New College requirements. This includes the general education requirements, the following New College requirements, and other sufficient credits to total 120 applicable semester hours.

New College requires the successful completion of the following courses and activities:

Code and Title	Hours
NEW 100 Intro Interdisc Integratv Stdy	2
NEW 495 Capstone Sem & Senior Project	2
NEW electives 200 level and above	8-12
NEW electives 300 level and above	6-12
Individualized depth study	33-39
<b>Total Hours</b>	<b>51-67</b>

### Footnotes

<sup>1</sup> Courses that satisfy the general education requirement will fulfill the humanities, social sciences, natural sciences, and mathematics requirements. Students pursuing a BS degree are required to complete MATH 125 Calculus I or MATH 145 Honors Calculus I or higher.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Office of University Registrar explanation of grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses must be earned on this campus.

## Ancillary Courses

Students pursuing a bachelor of science (BS) degree must also complete MATH 125 Calculus I or MATH 145 Honors Calculus I.

## Required Minor

Students who complete a New College depth study and are not required to complete a minor program of study.

## Additional New College Requirements

Students are expected to complete a minimum of 42 semester hours while enrolled in New College. In addition, students are required to undergo a third-year program review. As part of their general education experience, New College requires students to complete six to eight hours of core designated foreign language courses.

## Integrative Seminars

The five seminars introduce students to the major areas of liberal arts study in one of three integrative themes: environment, sustainability and conservation; creativity and culture; and social problems and social change. The seminars required for graduation are arranged in two levels. The level I seminars are designed for entering students (usually freshmen and sophomores) while the level II seminars are designed for upper-level students. All students must complete five seminars with at least one seminar in each theme, including two level I seminars from different themes, and two level II seminars in any theme. A minimum grade of C- is required for each integrative seminar. Transfer credit cannot be applied to seminar requirements. All five required seminars must be taken through New College.

## Out-of-class Learning/Independent Study

New College has a strong commitment to provide students opportunities to pursue their academic interests outside of the classroom through out-of-class learning experiences for credit. In these out-of-class learning/independent study experiences, an agreement (or contract) is made among the student, the project director, and New College. The contract is a clear, concise statement that includes the course area, topic or problem the student intends to study, along with the bibliography, plans for evaluating the study, and the anticipated outcomes of the study. New College students are encouraged to take at least one Independent Study as part of their depth study.

## New College LifeTrack Requirements

New College LifeTrack offers non-traditional students, typically ages 25 and older, the flexibility to design their college curriculum through an interdisciplinary approach to distance learning. The program also includes opportunities for travel and on-campus course experiences. Students must have a high school diploma or a minimum GED score of 50 (if the GED was taken prior to 2002) or a minimum of 500 (if the GED was taken after 2002), and have a minimum cumulative 2.0 GPA on all previous college coursework.

## Admission to the Program

Interested students should fill out an application/reapplication to The University of Alabama, and select distance education and New College

LifeTrack as the degree program. For more information, visit <https://learnon.ua.edu/prospective-students/how-to-apply.php> or call (205) 348-6000.

## Degree Requirements

All Students must complete at least 120 credit hours, 36 of which must be at the upper level, to earn a bachelor's degree. If you have previously completed college coursework, you will still need to complete at least 30 credit hours through New College LifeTrack.

Code and Title	Hours
Foundations of Adult Learning Seminar	3
New College LifeTrack Writing Skills	3
New College LifeTrack Research Writing	3
Communication Skills	6
Humanities <sup>1</sup>	12
Math <sup>1</sup>	3
Natural Sciences <sup>1</sup>	8
Social Sciences <sup>1</sup>	12
Senior Project	6
Depth Study	30
Electives	1-34
<b>Total Hours</b>	<b>87-120</b>

### Footnotes

<sup>1</sup> Courses that satisfy the general education requirement will fulfill the humanities, social sciences, natural sciences, and mathematics requirements. Students pursuing a BS degree are required to complete MATH 125 Calculus I or higher.

## Residency

"Residence" is defined as academic credit earned under the auspices of The University of Alabama faculty. A minimum of 30 credit hours must be completed under the guidance of New College LifeTrack. Residence hours consist of The University of Alabama on-campus and online courses, LifeTrack course contracts, and prior learning credit awarded through LifeTrack. Part of the Foundations of Adult Learning course requires students to be on campus for the two-day seminar. Other than that seminar requirement, students are not required to be present on The University of Alabama campus.

Unlimited. Students continue to professional and graduate schools, begin their own businesses, and work in their chosen fields of concentration.

## Types of Jobs Accepted

business and industry, education, arts management, sports marketing and recruiting, Peace Corps, Teach for America, Americorps, NGOs, foreign service, and opportunities throughout the non-profit and for-profit sectors

## Jobs of Experienced Alumni

audio engineers, physicians, artists, attorneys, musicians, dentists, physical therapists, professors, farmers, real estate developers, land managers, sports scouts, directors of non-profit organizations, missionaries, teachers, business owners, Peace Corps, Teach for America, Americorps, NGOs, foreign service, and positions throughout the non-profit and for-profit sectors

Learn more about opportunities in this field at the Career Center

## Interdisciplinary Studies, BS

New College's emphasis on student choice and responsibility promotes the creativity, flexibility, and adaptability necessary for effective participation in the emergent communities of the future.

## Admission into the Program

Applications to the New College residential program are available at <https://newcollege.ua.edu/degree-program/apply/>. The admission process is separate from, and in addition to, admission to The University of Alabama. Two factors are taken into consideration when making a decision for admission: the degree of motivation and serious intellectual independence exhibited by the applicant, and the potential for the University to meet the applicant's academic goals. For details on the admissions process, please refer to the New College website.

Admission to the New College LifeTrack program is restricted to nontraditional students, typically 25 years of age or older, with a high school diploma or a GED score of 50 or higher (if taken prior to January 2002) and 500 or higher (if taken after January 2002). Students must be admitted to the University of Alabama and have a cumulative GPA of 2.0 or higher on all previous college work. For details on the admissions process, please refer to the New College LifeTrack website.

## New College Requirements

Students complete the bachelor of arts (BA) or the bachelor of science (BS) degree depending on the area in which the depth study is done. Students also complete all University, College of Arts and Sciences, and New College requirements. This includes the general education requirements, the following New College requirements, and other sufficient credits to total 120 applicable semester hours.

New College requires the successful completion of the following courses and activities:

Code and Title	Hours
NEW 100 Intro Interdisc Integratv Styd	2
NEW 495 Capstone Sem & Senior Project	2
NEW electives 200 level and above	8-12
NEW electives 300 level and above	6-12
Individualized depth study	33-39
Credit Hours Subtotal:	51-67

### Ancillary Courses

Students pursuing a bachelor of science (BS) degree must also complete the following:

MATH 125 or Calculus I	4
MATH 145 Honors Calculus I	

**Total Hours** **55-71**

### Footnotes

<sup>1</sup> Courses that satisfy the general education requirement will fulfill the humanities, social sciences, natural sciences, and mathematics requirements. Students pursuing a BS degree are required to complete MATH 125 Calculus I or MATH 145 Honors Calculus I or higher.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Office of University Registrar explanation of grade point average calculations.



## Upper-Level Residency

A minimum of 12 hours of 300- and 400-level courses must be earned on this campus.

## Required Minor

Students who complete a New College depth study and are not required to complete a minor program of study.

## Additional New College Requirements

Students are expected to complete a minimum of 42 semester hours while enrolled in New College. In addition, students are required to undergo a third-year program review. As part of their general education experience, New College requires students to complete six to eight hours of core designated foreign language courses.

## Integrative Seminars

The five seminars introduce students to the major areas of liberal arts study in one of three integrative themes: environment, sustainability and conservation; creativity and culture; and social problems and social change. The seminars required for graduation are arranged in two levels. The level I seminars are designed for entering students (usually freshmen and sophomores) while the level II seminars are designed for upper-level students. All students must complete five seminars with at least one seminar in each theme, including two level I seminars from different themes and two level II seminars in any theme. A minimum grade of C- is required for each integrative seminar. Transfer credit cannot be applied to seminar requirements. All five required seminars must be taken through New College.

## Out-of-class Learning/Independent Study

New College has a strong commitment to provide students opportunities to pursue their academic interests outside of the classroom through out-of-class learning experiences for credit. In these out-of-class learning/independent study experiences, an agreement (or contract) is made among the student, the project director, and New College. The contract is a clear, concise statement that includes the course area, topic or problem the student intends to study, along with the bibliography, plans for evaluating the study, and the anticipated outcomes of the study. New College students are encouraged to take at least one Independent Study as part of their depth study.

## New College LifeTrack Requirements

New College LifeTrack offers nontraditional students, typically ages 25 and older, the flexibility to design their college curriculum through an interdisciplinary approach to distance learning. The program also includes opportunities for travel and on-campus course experiences. Students must have a high school diploma or a minimum GED score of 50 (if the GED was taken prior to 2002) or a minimum of 500 (if the GED was taken after 2002), and have a minimum cumulative 2.0 GPA on all previous college coursework.

### Admission into the Program

Interested students should fill out an application/reapplication to The University of Alabama, and select distance education and New College LifeTrack as the degree program. For more information, visit <https://learnon.ua.edu/prospective-students/how-to-apply.php> or call (205) 348-6000.

## Degree Requirements

All Students must complete at least 120 credit hours, 36 of which must be at the upper level, to earn their bachelor's degree. If you have

previously completed college coursework, you will still need to complete at least 30 credit hours through New College LifeTrack.

Code and Title	Hours
Foundations of Adult Learning Seminar	3
New College LifeTrack Writing Skills	3
New College LifeTrack Research Writing	3
Communication Skills	6
Humanities <sup>1</sup>	12
Math <sup>1</sup>	3
Natural Sciences <sup>1</sup>	8
Social Sciences <sup>1</sup>	12
Senior Project	6
Depth Study	30
Electives	1-34
<b>Total Hours</b>	<b>87-120</b>

### Footnotes

<sup>1</sup> Courses that satisfy the general education requirement will fulfill the humanities, social sciences, natural sciences, and mathematics requirements. Students pursuing a BS degree are required to complete MATH 125 Calculus I or higher.

## Residency

"Residence" is defined as academic credit earned under the auspices of The University of Alabama faculty. A minimum of 30 credit hours must be completed under the guidance of New College LifeTrack. Residence hours consist of The University of Alabama on-campus and online courses, LifeTrack course contracts, and prior learning credit awarded through LifeTrack. Part of the Foundations of Adult Learning course requires students to be on campus for the two-day seminar. Other than that seminar requirement, students are not required to be present on The University of Alabama campus.

Unlimited. Students continue to professional and graduate schools, begin their own businesses, and work in their chosen fields of concentration.

## Types of Jobs Accepted

business and industry, education, arts management, sports marketing and recruiting, Peace Corps, Teach for America, Americorps, NGOs, foreign service, and opportunities throughout the non-profit and for-profit sectors

## Jobs of Experienced Alumni

audio engineers, physicians, artists, attorneys, musicians, dentists, physical therapists, professors, farmers, real estate developers, land managers, sports scouts, directors of non-profit organizations, missionaries, teachers, business owners, Peace Corps, Teach for America, Americorps, NGOs, foreign service, and positions throughout the non-profit and for-profit sectors

Learn more about opportunities in this field at the Career Center

## Natural Resources, Minor

The natural resources minor has been developed for students interested in the guiding principles of land stewardship and economic sustainability. Students can develop an appreciation for the ecological diversity of Alabama and gain an understanding of the historical importance of natural resources in the economic development of Alabama. Courses in the minor will address the impact of changes in lifestyles and

the economic base of the state as well as the implications for land management.

## Admission into the Minor

Students are expected to meet with Dr. Carl Williams (carl.williams@ua.edu), NRM Coordinator, before formally declaring a minor by completing the Change of Major/Minor Application online under the Student tab of myBama. This minor is restricted to residential students; New College LifeTrack does not offer minors.

The minor in natural resources includes tracks for students who major in biological sciences and for those who are pursuing other majors outside of biological sciences.

## Biology Majors

The Natural Resources minor for biology majors requires the successful completion of the following 18 semester hours:

Code and Title	Hours
<b>Required Foundational Course</b>	
BSC 340 Principles of Nat. Res. Cons.	3
<b>Specialty Courses</b>	
Select two of the following:	6
BSC 303 Field Zoology	
BSC 314 Dendrology	
BSC 415 Wetland Ecology	
BSC 428 Biology Of Fishes	
BSC 475 General Entomology	
BSC 480 Plant Ecology	
BSC 485 Found Forest Res and Conserv	
GY 472 Soils	
GY 489 Forest Ecology Veg Analy	
GY 492 Eastern Forest Communities	
NEW 401 Birds and Birding	
NEW 334 Everyday Forestry in Alabama	
NEW 335 Everyday Wildlife In Alabama	
<b>Policy, Planning, and Economics</b>	
Select two of the following:	6
BSC 482 Conservation Biology	
EC 480 Econ of Environment	
GY 339 Natural Resource Envirnmn Plang	
GY 409 Forest History and Restoration	
GY 452 Environ Decision Making	
NEW 230 Environmental Studies	
NEW 365 Environmental Policy	
<b>Practicum Courses</b>	
Select one of the following:	3
BSC 398 Undergraduate Research	
GY 483 Environment Science Internship	
GY 494 Forest Measurement & Methods	
NEW 310 Independent Study	
<b>Total Hours</b>	<b>18</b>

## Non-Biology Majors

The Natural Resources Minor for Non-Biology Majors requires successful completion of the following 19 semester hours:

<b>NRS for Non-Biology Majors</b>		Hours
<b>Required Foundational Courses</b>		
BSC 114	Principles Of Biology I	3
BSC 115	Laboratory Biology I	1
BSC 116	Principles Biology II	3
BSC 117	Laboratory Biology II	1
BSC 340 or GY 339	Principles of Nat. Res. Cons. Natural Resource Envirnmn Plang	3
<b>Specialty Courses</b>		
Select one of the following:		3
BSC 303	Field Zoology	
BSC 314	Dendrology	
GY 472	Soils	
GY 489	Forest Ecology Veg Analy	
GY 492	Eastern Forest Communities	
NEW 401	Birds and Birding	
NEW 334	Everyday Forestry in Alabama	
NEW 335	Everyday Wildlife In Alabama	
<b>Policy, Planning, and Economics</b>		
Select at least one of the following:		3
GY 339	Natural Resource Envirnmn Plang (If not taken as foundational course above)	
GY 452	Environ Decision Making	
NEW 230	Environmental Studies	
NEW 365	Environmental Policy	
<b>Practicum Courses</b>		
Select at least one of the following:		2
BSC 398	Undergraduate Research	
GY 483	Environment Science Internship	
GY 494	Forest Measurement & Methods	
NEW 310	Independent Study (Internship)	
<b>Total Hours</b>		<b>19</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Prerequisites for all BSC courses at the 300-level and 400-level must be passed with a grade of at least C-.

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and

to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Student Designed, Minor

New College  
201 Lloyd Hall  
as.ua.edu/nc  
newcollege@as.ua.edu

The student-designed minor originates with a student's interest in issues or questions that cross disciplinary lines.

## Admission into the Minor

Proposals for the minor are developed by the student in consultation with faculty and/or New College Director. Proposals require a clearly defined rationale and a tentative set of courses (including one activity that clearly integrates the program of study). This minor is restricted to residential students; New College LifeTrack does not offer minors.

The student-designed minor requires successful completion of the following 21 semester hours. Students pursuing a Self Design Minor are encouraged to take one New College course as part of their minor.

Code and Title	Hours
Electives 100 or 200 level <sup>1</sup>	9
Electives 300 or 400 level <sup>1</sup>	12
<b>Total Hours</b>	<b>21</b>

### Footnotes

<sup>1</sup> Coursework should be selected from at least two disciplines and from a set of courses based on the approved proposal.

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

Students may apply no more than 15 semester hours of previously completed coursework toward the minor. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Department of Philosophy

The study of philosophy fosters original thought, logical precision, an open-minded attitude toward new and unusual ideas, and a commitment to responsible criticism. The department offers a standard major in philosophy that culminates in the Bachelor of Arts degree. It offers a standard minor as well. Students also have the option of completing instead a specialized major or minor: the jurisprudence specialization, the philosophy and medicine specialization, or the mind-brain specialization.

- Major
  - Philosophy, BA (p. 524)
- Minor
  - Ethics (p. 524)
  - Medical Ethics (p. 524)
  - Philosophy (p. 527)

### Professor and Chair

- Richards, Richard A.

### Professors

- Alter, Torin
- Poston, Ted
- Wrenn, Chase

### Associate Professors

- Bordner, Seth
- Nath, Rekha
- Rachels, Stuart

### Assistant Professors

- Kantin, Holly
- Kozuch, Ben

### Instructors

- Arico, Adam
- Butzer, Tim
- Davey, Stephen
- Pickering, Mark

### Professors Emeriti

- Hestevold, Scott
- Hocutt, Max O.
- Richards, Norvin W.
- Wu, Kathleen

### PHL100 Intro To Philosophy

*HU*

Hours 3

Survey of the main topics of philosophy, which may include God, souls, free will, the nature of right and wrong, just government, truth, and knowledge. Offered in the fall and spring semesters.

Humanities

### PHL104 Critical Thinking

*HU*

Hours 3

Introduction to the concepts and methods used to identify, construct, and assess arguments as they appear in editorials, articles, ordinary speech, etc.

Humanities

[View All Courses](#)

## Faculty

### Professor and Chair

Richards, Richard A.

### Professors

Alter, Torin

Poston, Ted

Wrenn, Chase

**Associate Professors**

Bordner, Seth

Nath, Rekha

Rachels, Stuart

**Assistant Professors**

Kantin, Holly

Kozuch, Ben

**Instructors**

Arico, Adam

Butzer, Tim

Davey, Stephen

Pickering, Mark

**Professors Emeriti**

Hestevold, Scott

Hocutt, Max O.

Richards, Norvin W.

Wu, Kathleen

## Ethics, Minor

This program of study will introduce students to general philosophical approaches for thinking more clearly and critically about ethical questions: What should we do in particular situations? What ethical principles should govern our actions? What justifies our actions and ethical principles? What does science tell us about ethics? Students can also learn how to analyze and respond to ethical questions and problems in specialized contexts: business, medicine, governance, the law, the arts, and even sports.

<b>Ethics Minor</b>	<b>Hours</b>
<b>Required Courses</b>	<b>3</b>
PHL 292 or Introduction to Ethics	
PHL 221 Honors Introduction to Ethics	
<b>Three Courses from the following Introductory Courses:</b>	<b>9</b>
PHL 223 Medical Ethics	
PHL 230 Political Philosophy	
PHL 234 Social Philosophy	
PHL 240 Philosophy and the Law	
PHL 256 Philosophy of Sport	
PHL 293 Environmental Ethics	
PHL 294 Business Ethics	
<b>Two Courses from the following Advanced Courses:</b>	<b>6</b>
PHL 341 Law and Morality	
PHL 343 PHL Issues-International Law	
PHL 381 Philosophy of Religion	
PHL 387 Philosophy and Evolution	
PHL 420 Special Studies in Ethics	
PHL 422 Neuroethics	
<b>Total Hours</b>	<b>18</b>

**NOTE:**

The College of Arts and Sciences does not allow the double counting of classes, so a student could not use the same courses to complete both minors. This is confirmed by the Duplication of Coursework statement (p. 411).

## Medical Ethics, Minor

The practice of medicine raises many ethical concerns from the beginning of life to the end of life, and relative to abortion, stem cell research, cloning, the allocation of limited resources, animal experimentation, genetic engineering, patient autonomy, assisted euthanasia, medical enhancement and more. The Medical Ethics Minor will introduce students to these and other ethical issues, questions and problems explicitly raised by the practice of medicine. Additionally, students will also gain an understanding of medical ethics relative to the broader background: how the ways we conceive health and disease affect the practice of medicine; how ethical issues intersect with the law; how conceptions of justice might play a role in the practice of medicine; what role political and economic institutions might play relative to the practice of medicine; what role religion might play in deliberations about medical practice; and how our understanding of psychology and neuroscience might influence ethical deliberation.

<b>Code and Title</b>	<b>Hours</b>
<b>Required Courses:</b>	<b>6</b>
PHL 292 or Introduction to Ethics	
PHL 221 Honors Introduction to Ethics	
PHL 223 Medical Ethics	
<b>Two Courses from the following:</b>	<b>6</b>
PHL 230 Political Philosophy	
PHL 234 Social Philosophy	
PHL 341 Law and Morality	
PHL 381 Philosophy of Religion	
<b>Two Courses from the following:</b>	<b>6</b>
PHL 422 Neuroethics	
PHL 423 Seminar in Medical Ethics	
PHL 488 Philosophy of Mental Health	
PHL 489 Philosophy of Medicine	
<b>Total Hours</b>	<b>18</b>

**Note:** These courses cannot be double counted satisfying the Ethics minor as well.

The College of Arts and Sciences does not allow the double counting of classes, so a student could not use the same courses to complete both minors. This is confirmed by the Duplication of Coursework statement (p. 411).

## Philosophy, BA

Philosophy majors should enjoy thinking abstractly and deeply about those questions that Bertrand Russell called "ultimate questions" — questions about the coherence or reasonableness of concepts and presuppositions that most take for granted. The ultimate questions addressed in philosophy classes include the following questions: Are humans purely physical beings, or does consciousness involve nonphysical phenomena? Do humans have free will? Does God exist? Are there objective moral facts, or is morality relative to one's culture? What moral obligations, if any, does one have to oneself and to others? Is there

any justification for government? If so, to what extent is governmental power justified?

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The philosophy department honors program is designed for students who wish to pursue a philosophical topic further than the seminar format permits. It also provides recognition for both having done a greater proportion of classes at the advanced level and for sustained outstanding achievement in all courses. Students graduating with honors in philosophy must complete 36 hours in philosophy with 18 hours at the 300- or 400-level and achieve a minimum GPA of 3.5 in all philosophy courses and at least a cumulative GPA of 3.3. A philosophy honors student must also write a senior essay on a philosophical topic and defend it during an oral examination. A student who is enrolled in the University Honors Program can count his or her senior essay in philosophy as completing the honors thesis in that program.

Students earning the bachelor of arts (BA) degree with a major in philosophy must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
PHL 195 or PHL 106 Intro Deductive Logic	3
PHL 211 Ancient Philosophy	3
PHL 212 Early Modern Philosophy	3
Credit Hours Subtotal:	
9	
<b>Electives</b>	
Select 12 hours of PHL electives 300 or 400 level <sup>1</sup>	12
Select nine hours of PHL electives <sup>1</sup>	9
Credit Hours Subtotal:	
21	
<b>Total Hours</b>	<b>30</b>

### Footnotes

<sup>1</sup> A minimum of three hours from each of the following areas must be completed for a total of six hours.

## Areas

### Area 1: Value

Code and Title	Hours
PHL 221 Honors Introduction to Ethics	3
PHL 223 Medical Ethics	3
PHL 230 Political Philosophy	3
PHL 234 Social Philosophy	3
PHL 240 Philosophy and the Law	3
PHL 243 Phil. Issues in Const. Law	3
PHL 256 Philosophy of Sport	3
PHL 291 Aesthetics	3

PHL 292	Introduction to Ethics	3
PHL 341	Law and Morality	3
PHL 343	PHL Issues-International Law	3
PHL 420	Special Studies in Ethics	3
PHL 440	Seminar on Law	3
PHL 448	Philosophy of Law	3

### Area 2: Language, Epistemology, Mind and Metaphysics

Code and Title	Hours	
PHL 260	Mind and Nature	3
PHL 264	Introduction to Metaphysics	3
PHL 360	Philosophy of Mind	3
PHL 362	Mind, Language, and Reality	3
PHL 366	Metaphysics	3
PHL 370	Epistemology	3
PHL 381	Philosophy of Religion	3
PHL 387	Philosophy and Evolution	3
PHL 489	Philosophy of Medicine	3

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Ancillary Courses

This major does not require ancillary courses.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, college, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Mind-Brain Specialization

The Mind-Brain Specialization is designed for students who are interested in philosophical questions about thought, consciousness, knowledge, and the relationship between the mind and the physical world. Students in psychology, communication, English, computer science and anthropology will find that the Mind-Brain Specialization makes philosophy an attractive second major.

Completion of the Mind-Brain specialization will be noted on the student's transcript.

Code and Title	Hours
<b>Required Courses</b>	
PHL 195 or PHL 106 Intro Deductive Logic	3
PHL 211 Ancient Philosophy	3

PHL 212	Early Modern Philosophy	3
PHL 260	Mind and Nature	3
Credit Hours Subtotal:		12
<b>Electives</b>		
Select 12 hours of PHL Mind & Brain electives		12
PHL 360	Philosophy of Mind	
PHL 362	Mind, Language, and Reality	
PHL 366	Metaphysics	
PHL 370	Epistemology	
PHL 387	Philosophy and Evolution	
PHL 422	Neuroethics	
PHL 462	Neural Basis of Consciousness	
PHL 488	Philosophy of Mental Health	
Select any additional six hours of PHL courses that include at least one Value course		6
<b>Total Hours</b>		<b>30</b>

## Jurisprudence Specialization

The Jurisprudence Specialization is a collection of philosophy courses of special interest to students intending careers in law or politics, or with a curiosity about the theories underpinning these institutions. It is designed to sharpen the abilities to reason, to respond to opposing arguments, and to put one's point clearly and precisely. The specialization also provides the opportunity to explore some of the deepest questions about the law, its relation to morality, what justifies authority, and what is distinctive about legal reasoning.

Completion of the Jurisprudence specialization will be noted on the student's transcript.

Code and Title	Hours	
<b>Required Courses</b>		
PHL 195 or PHL 106	Intro Deductive Logic Honors Deductive Logic	3
PHL 211	Ancient Philosophy	3
PHL 212	Early Modern Philosophy	3
Select one of the following:		3
PHL 292 or PHL 221	Introduction to Ethics Honors Introduction to Ethics	
PHL 230	Political Philosophy	
PHL 234	Social Philosophy	
Select one of the following:		3
PHL 240	Philosophy and the Law	
PHL 243	Phil. Issues in Const. Law	
Select one of the following:		3
PHL 341	Law and Morality	
PHL 343	PHL Issues-International Law	
PHL 349	Legal Reasoning	
PHL 440	Seminar on Law	
PHL 448	Philosophy of Law	
Select any three 3-hour PHL courses at the 300/400 levels.		9
Select any additional 3-hour PHL course at any level.		3
<b>Total Hours</b>		<b>30</b>

While anyone can take these classes (subject to applicable prerequisites), if you are interested in completing either the specialized major or minor,

contact us at phillaw@ua.edu so that you can be put on a list of students to be contacted with relevant information. Students completing the specialized major will receive a notation on their transcript. Also, on the basis of their performance in these classes, students completing the specialized major are eligible for The Norvin Richards Award in Philosophy and the Law.

## Philosophy & Medicine Specialization

The Philosophy and Medicine Specialization is a series of courses introducing topics, issues, questions and problems associated the practice of medicine. While this concentration is designed for those who are planning for a career in the medical fields, it is open to any student with an interest in medicine.

Completion of the Philosophy and Medicine specialization will be noted on the student's transcript.

Code and Title	Hours	
<b>Required Courses</b>		
PHL 195 or PHL 106	Intro Deductive Logic Honors Deductive Logic	3
PHL 211	Ancient Philosophy	3
PHL 212	Early Modern Philosophy	3
PHL 423	Seminar in Medical Ethics	3
PHL 489	Philosophy of Medicine	3
<b>Electives</b>		
PHL 386 or PHL 488	Philosophy of Science Philosophy of Mental Health	3
Select 3 hours at 300-400 level PHL courses		3
Select 9 additional hours of any level PHL courses		9
Credit Hours Subtotal:		30

A few graduates are now themselves professors of philosophy; but most years, no major pursues graduate work in philosophy. Those who seek advanced degrees pursue degrees in fields related to their second majors or in law, medicine, divinity, or business. Other majors use their analytic skills to forge careers in education, information technology, finance, management, and writing.

## Types of Jobs Accepted

Recent graduates include a number of law students, several medical students and seminary students, and also graduate students in American studies, German, public administration, public health, and business. In addition to several in business and in the military, others are employed as teachers, computer consultants, and web designers.

## Jobs of Experienced Alumni

Philosophy alumni include many attorneys, a banker, a chef, a chemical engineer, a CIA employee, information technology specialists, a graphic designer, ministers, musicians, physicians, professors (of philosophy, mathematics, English, and theology), a State Department employee, web designers, and writers.

Learn more about opportunities in this field at the Career Center

## Philosophy, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Electives</b>	
Select six hours of PHL electives 300 or 400 level	6
Select 12 hours of PHL electives	12
<b>Total Hours</b>	<b>18</b>

### Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

### Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

### Ancillary Courses

This minor does not require ancillary courses.

### Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Department of Physics and Astronomy

The Department of Physics and Astronomy offers major and minor programs in physics and a minor in astronomy. The Department of Physics and Astronomy also has a second major curriculum for engineering majors.

- Major
  - Physics, BS (p. 529)
- Minors
  - Physics (p. 531)
  - Astronomy (p. 528)

### Physics Major for College of Engineering Students

The Department of Physics and Astronomy also has a second major curriculum for engineering majors. This combination of fundamental and applied physics can be highly advantageous when the graduate enters the job market. For more information, contact the Department of Physics and Astronomy.

#### Chair and Professor

- LeClair, Patrick R.

#### Professors

- Piepke, Andreas G.
- White, Raymond E. III

- Stancu, Ion
- Busenitz, Jerome K.
- Buta, Ronald J.
- Harms, Benjamin C.
- Keel, William C.
- Mankey, Gary J.
- Schad, Rainer
- Sarker, Sanjoy
- Stern, Allen B.
- Mewes, Tim

#### Associate Professors

- Mewes, Claudia
- Henderson, Conor
- Townsley, Dean
- Irwin, Jimmy
- Okada, Nobuchika
- Rumerio, Paolo
- Williams, Dawn R.

#### Assistant Professors

- Hauser, Adam
- Schwiete, Georg
- Ostrovskiy, Igor
- Bailin, Jeremy
- Irwin, Jimmy
- Kaminski, Matthias
- Araujo, Paulo
- Nair, Preethi
- Tse, Wang-Kong

#### Teaching Faculty

- Toale, Patrick A.
- Silverstone, Murray

#### AY101 Intro To Astronomy

N

Hours 3

This course surveys the development of our current understanding of the Universe, including our Solar System, exoplanets, stars and stellar evolution (including white dwarfs, neutron stars, black holes, and supernovae), galaxies and cosmology (dark matter, dark energy, the Big Bang, the accelerating universe, supermassive black holes), and life in the Universe. NOTE: If the student plans to apply AY 101 toward satisfaction of the N requirement of the University Core Curriculum, AY 102 must also be taken.

Natural Science

**PH101 General Physics I**

N

Hours 4

Lectures and laboratory. An algebra-based introductory course including classical mechanics and thermodynamics. Topics include: kinematics, Newtonian dynamics, conservation of energy and momentum, rotational motion, oscillations and waves, kinetic theory of gases, and thermodynamics. Degree credit can only be awarded for one of the following: PH 101, PH 105, or PH 125.

Prerequisite(s): MATH 113 or MATH 115 or MATH 125 or MATH 145

Natural Science

View All Courses

**Faculty****Chair and Professor**

LeClair, Patrick R.

**Professors**

Piepke, Andreas G.

White, Raymond E. III

Stancu, Ion

Busenitz, Jerome K.

Buta, Ronald J.

Harms, Benjamin C.

Keel, William C.

Mankey, Gary J.

Schad, Rainer

Sarker, Sanjoy

Stern, Allen B.

Mewes, Tim

**Associate Professors**

Mewes, Claudia

Henderson, Conor

Townsend, Dean

Irwin, Jimmy

Okada, Nobuchika

Rumerio, Paolo

Williams, Dawn R.

**Assistant Professors**

Hauser, Adam

Schwiete, Georg

Ostrovskiy, Igor

Bailin, Jeremy

Irwin, Jimmy

Kaminski, Matthias

Araujo, Paulo

Nair, Preethi

Tse, Wang-Kong

**Teaching Faculty**

Toale, Patrick A.

Silverstone, Murray

**Astronomy, Minor****Admission into the Minor**

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
AY 203 Observational Astronomy	2
AY 204 Solar System Astronomy	3
AY 206 Astron Beyond Solar Syst	3
Credit Hours Subtotal:	8
<b>Electives</b>	
Select six hours of AY electives 300 or 400 level and/or one of the following:	6
PH 301 Mechanics I	
PH 302 Intermediate Mechanics	
Credit Hours Subtotal:	6
<b>Ancillary Courses</b>	
Grades in ancillary courses are not computed into the minor GPA. The minor in astronomy requires the successful completion of the following courses outside the minor:	
Select one of the following:	4
PH 105 General Physics W/Calc I <sup>1</sup>	
PH 125 Honors Gen Ph W/Calculus	
PH 101 General Physics I <sup>1</sup>	
Select one of the following:	4
PH 106 General Physics W/Calc II <sup>1</sup>	
PH 126 Honors Gen Ph W/Calculus II	
PH 102 General Physics II <sup>1</sup>	
PH 253 Intro Modern Physics & PH 255 and Modern Physics Lab	4
Credit Hours Subtotal:	12
<b>Total Hours</b>	<b>26</b>

**Footnotes**

<sup>1</sup> General physics with calculus (PH 105 General Physics W/Calc I and PH 106 General Physics W/Calc II, or honors PH 125 Honors Gen Ph W/Calculus and PH 126 Honors Gen Ph W/Calculus II) is the preferred preparation for advanced physics courses. However, general physics (PH 101 General Physics I and PH 102 General Physics II) can substitute for students who must begin the minor courses before taking calculus.

**Grade Point Average**

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.



## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Additional Minor Requirements

Students majoring in physics may not apply the same physics courses toward both the physics major and the astronomy minor. They will still need 14 hours in the minor. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

In addition to stated prerequisites, physics courses numbered 253-354 have as prerequisites PH 101 General Physics I, PH 105 General Physics W/Calc I, or PH 125 Honors Gen Ph W/Calculus, **AND** PH 102 General Physics II, PH 106 General Physics W/Calc II or PH 126 Honors Gen Ph W/Calculus II. Physics courses numbered 400-499 have as prerequisites 14 hours of physics or 11 hours of physics and senior standing in addition to stated prerequisites.

## Physics, BS

Physics majors are interested in understanding the nature of the physical universe. This interest may focus on more specific sub-areas, such as the physics of elementary particles; the properties of solid matter; or the evolution of stars, galaxies, and black holes. A successful physics major will develop analytical and problem-solving skills which will be useful in a wide range of possible applications and careers.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The department sponsors a local chapter of the Society of Physics Students. The department also has an honors program. Students are invited to apply for admission to the honors program in physics on the basis of performance in introductory courses. Physics majors participating in the Physics Honors Program must maintain a minimum 3.3 GPA in physics courses and a 3.0 cumulative GPA. Honors students must also submit an acceptable honors thesis based on research conducted under the supervision of a faculty member in physics or astronomy and participate in an Honors Seminar course. Students can inquire at the Department of Physics and Astronomy office for further information.

Students earning the bachelor of science (BS) degree with a major in physics must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

The major in physics requires successful completion of 33–41 semester hours in one of four tracks: graduate school, astrophysics, biophysics or physics education.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in physics for all tracks requires the successful completion of 23–39 semester hours of ancillary courses.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, college, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, college and University requirements.

## Prerequisites

In addition to stated prerequisites, physics courses numbered 253-354 have as prerequisites PH 101 General Physics I, PH 105 General Physics W/Calc I or PH 125 Honors Gen Ph W/Calculus, **AND** PH 102 General Physics II, PH 106 General Physics W/Calc II or PH 126 Honors Gen Ph W/Calculus II. Physics courses numbered 400-499 have as prerequisites 14 hours of physics or 11 hours of physics and senior standing in addition to stated prerequisites.

## Graduate School Prep Track

Primarily designed for students considering graduate work in physics, the graduate school track requires the successful completion of the following 36 semester hours:

Code and Title	Hours
Select one of the following:	4
PH 105 General Physics W/Calc I	
PH 125 Honors Gen Ph W/Calculus	
PH 101 General Physics I <sup>1</sup>	
Select one of the following:	4
PH 106 General Physics W/Calc II	
PH 126 Honors Gen Ph W/Calculus II	
PH 102 General Physics II <sup>1</sup>	
PH 253 Intro Modern Physics & PH 255 and Modern Physics Lab	4
PH 302 Intermediate Mechanics	3
PH 331 Elect & Magnetism I	3
PH 332 Elect & Magnetism II	3
PH 441 Quantum Structure of Matter I	3
PH 442 Quantum Structure of Matter II	3
PH 471 Thermal Physics	3
PH 491 Advanced Laboratory	3

Select three hours of PH or AY elective 300 or 400 level	3
Credit Hours Subtotal:	36

**Ancillary Courses**

Grades in ancillary courses are not computed into the major GPA. The major in physics for the graduate school track requires the successful completion of the following courses outside the major:

CH 101 or CH 117	General Chemistry Honors General Chemistry	4
CH 102 or CH 118	General Chemistry Honors General Chemistry	4
MATH 125 or MATH 145	Calculus I Honors Calculus I	4
MATH 126 or MATH 146	Calculus II Honors Calculus II	4
MATH 227 or MATH 247	Calculus III Honors Calculus III	4
MATH 238	Appld Diff Equations I	3
Credit Hours Subtotal:		23

<b>Total Hours</b>	<b>59</b>
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**Footnotes**

<sup>1</sup> General physics with calculus (PH 105 General Physics W/Calc I and PH 106 General Physics W/Calc II, or honors PH 125 and PH 126 Honors Gen Ph W/Calculus II) is the preferred preparation for advanced physics courses. However, general physics (PH 101 General Physics I and PH 102 General Physics II) can substitute for students who must begin the major courses before taking calculus.

**Astrophysics Track**

Primarily designed for students interested in astronomy or space science, the astrophysics track requires the successful completion of the following 41 semester hours:

Code and Title	Hours	
AY 203	Observational Astronomy	2
AY 204	Solar System Astronomy	3
AY 206	Astron Beyond Solar Syst	3
Select six hours of AY elective 300- or 400-level		6
Select one of the following:		4
PH 105	General Physics W/Calc I	
PH 125	Honors Gen Ph W/Calculus	
PH 101	General Physics I <sup>1</sup>	
Select one of the following:		4
PH 106	General Physics W/Calc II	
PH 126	Honors Gen Ph W/Calculus II	
PH 102	General Physics II <sup>1</sup>	
PH 253 & PH 255	Intro Modern Physics and Modern Physics Lab	4
PH 302	Intermediate Mechanics	3
PH 331	Elect & Magnetism I	3
PH 332	Elect & Magnetism II	3
PH 441	Quantum Structure of Matter I	3
PH 442	Quantum Structure of Matter II	3
Credit Hours Subtotal:		41

**Ancillary Courses**

Grades in ancillary courses are not computed into the major GPA. The major in physics for the astrophysics track requires the successful completion of the following courses outside the major:

CH 101 or CH 117	General Chemistry Honors General Chemistry	4
CH 102 or CH 118	General Chemistry Honors General Chemistry	4
MATH 125 or MATH 145	Calculus I Honors Calculus I	4
MATH 126 or MATH 146	Calculus II Honors Calculus II	4
MATH 227 or MATH 247	Calculus III Honors Calculus III	4
MATH 238	Appld Diff Equations I	3
Credit Hours Subtotal:		23

<b>Total Hours</b>	<b>64</b>
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**Physics Education Track**

*This track is open to all students but is primarily designed for those who want to teach in grades K–12. Please note that this track does not lead to teacher certification. Students interested in earning teacher certification must be admitted through the College of Education. For more information, visit here (p. 621).*

*The physics education track requires the successful completion of the following 33 semester hours:*

Code and Title	Hours	
Select one of the following:	4	
PH 105	General Physics W/Calc I	
PH 125	Honors Gen Ph W/Calculus	
PH 101	General Physics I <sup>1</sup>	
Select one of the following:	4	
PH 106	General Physics W/Calc II	
PH 126	Honors Gen Ph W/Calculus II	
PH 102	General Physics II <sup>1</sup>	
PH 253 & PH 255	Intro Modern Physics and Modern Physics Lab	4
PH 301 or PH 302	Mechanics I Intermediate Mechanics	3
PH 331	Elect & Magnetism I	3
PH 354	Intermediate Modern Physics	3
PH 405	Physics For Science Teachers	3
PH 491	Advanced Laboratory	3
Select six hours of PH elective 300 or 400 level		6
Credit Hours Subtotal:		33

**Ancillary Courses**

Grades in ancillary courses are not computed into the major GPA. The major in physics for the physics education track requires the successful completion of the following courses outside the major:

CH 101 or CH 117	General Chemistry Honors General Chemistry	4
CH 102 or	General Chemistry	4

CH 118	Honors General Chemistry	
MATH 125 or	Calculus I	4
MATH 145	Honors Calculus I	
MATH 126 or	Calculus II	4
MATH 146	Honors Calculus II	
MATH 227 or	Calculus III	4
MATH 247	Honors Calculus III	
MATH 238	Appld Diff Equations I	3
Credit Hours Subtotal:		23
<b>Total Hours</b>		<b>56</b>

**Footnotes**

<sup>1</sup> General physics with calculus (PH 105 General Physics W/Calc I and PH 106 General Physics W/Calc II, or honors PH 125 Honors Gen Ph W/Calculus and PH 126 Honors Gen Ph W/Calculus II) is the preferred preparation for advanced physics courses. However, general physics (PH 101 General Physics I and PH 102 General Physics II) can substitute for students who must begin the major courses before taking calculus.

## Biophysics Track

Primarily designed for students planning a career in a health profession, the biophysics track requires successful completion of the following 33 semester hours:

Code and Title	Hours	
Select one of the following:	4	
PH 105 General Physics W/Calc I		
PH 125 Honors Gen Ph W/Calculus		
PH 101 General Physics I <sup>1</sup>		
Select one of the following:	4	
PH 106 General Physics W/Calc II <sup>1</sup>		
PH 126 Honors Gen Ph W/Calculus II		
PH 102 General Physics II <sup>1</sup>		
PH 253 Intro Modern Physics	4	
& PH 255 and Modern Physics Lab		
PH 301 or	3	
PH 302 Intermediate Mechanics		
PH 331 Elect & Magnetism I	3	
PH 354 Intermediate Modern Physics	3	
PH 411 Biophysics	3	
PH 491 Advanced Laboratory	3	
Select six hours of PH elective 300 or 400 level	6	
Credit Hours Subtotal:		33

**Ancillary Courses**

Grades in ancillary courses are not computed into the major GPA. The major in physics for the biophysics track requires the successful completion of the following courses outside the major:

Select one of the following:	4
BSC 114 Principles Of Biology I	
& BSC 115 and Laboratory Biology I	
BSC 118 Honors General Biology I	
Select one of the following:	4
BSC 116 Principles Biology II	
& BSC 117 and Laboratory Biology II	

BSC 120	Honors Gen Biology II	
CH 101 or	General Chemistry	4
CH 117	Honors General Chemistry	
CH 102 or	General Chemistry	4
CH 118	Honors General Chemistry	
CH 231	Elem Organic Chemistry I	3
CH 232	Elem Organic Chem II	5
& CH 237	and Elem Organic Chem Lab	
MATH 125 or	Calculus I	4
MATH 145	Honors Calculus I	
MATH 126 or	Calculus II	4
MATH 146	Honors Calculus II	
MATH 227 or	Calculus III	4
MATH 247	Honors Calculus III	
MATH 238	Appld Diff Equations I	3
Credit Hours Subtotal:		39
<b>Total Hours</b>		<b>72</b>

**Footnotes**

<sup>1</sup> General physics with calculus (PH 105 General Physics W/Calc I and PH 106 General Physics W/Calc II, or honors PH 125 and PH 126 Honors Gen Ph W/Calculus II) is the preferred preparation for advanced physics courses. However, general physics (PH 101 General Physics I and PH 102 General Physics II) can substitute for students who must begin the major courses before taking calculus.

A wide range of careers are available for people with physics degrees: academic careers in physics, astronomy, and engineering; research science in government laboratories; research and development in private industry; engineering; K-12 teaching; quantitative financial analysis for investment firms; medical research or practice; science journalism. The analytical skills developed in the course of taking a physics curriculum allow physics majors (on average) to have relatively high scores on the LSAT and MCAT admissions tests for law school and medical school. For more information, see <http://www.aps.org/careers/physicists/>.

## Types of Jobs Accepted

Most of our recent graduates go on to graduate school in physics, engineering, astronomy, mathematics, or education. Other recent graduates have gone to medical school or law school, joined research laboratories, or become high school teachers.

## Jobs of Experienced Alumni

university or college professor, engineer, research scientist in a government laboratory, researchers and developers in private industry, K-12 teacher, physician

Learn more about opportunities in this field at the Career Center

## Physics, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
Select one of the following:	4

PH 101	General Physics I	
PH 105	General Physics W/Calc I	
PH 125	Honors Gen Ph W/Calculus	
Select one of the following:		4
PH 102	General Physics II	
PH 106	General Physics W/Calc II	
PH 126	Honors Gen Ph W/Calculus II	
Credit Hours Subtotal:		8
<b>Electives</b>		
Select six hours of PH electives 300 and 400 level		6
Select four hours of PH electives		4
Credit Hours Subtotal:		10
<b>Total Hours</b>		<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus in the Department of Physics and Astronomy.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

In addition to stated prerequisites, physics courses numbered 253-354 have as prerequisites PH 101 General Physics I, PH 105 General Physics W/Calc I or PH 125 Honors Gen Ph W/Calculus, **AND** PH 102 General Physics II, PH 106 General Physics W/Calc II or PH 126 Honors Gen Ph W/Calculus II. Physics courses numbered 400-499 have as prerequisites 14 hours of physics or 11 hours of physics and senior standing in addition to stated prerequisites.

## Department of Political Science

The department of political science offers two majors, one in political science and another in international studies, both of which culminate in the Bachelor of Arts degree. Minors in both fields are also offered. Also, oversight of the public policy minor resides in the department of political science.

- Majors
  - Political Science, BA (p. 539)
  - Economics, BA (p. 533)
  - International Studies, BA (p. 534)
- Minors

- Political Science (p. 540)
- International Studies (p. 537)
- Public Policy (p. 542)

### Chair

- Smith, Joseph L.

### Professors

- Albrecht, Holger
- DeRouen, Karl, Jr.
- Fording, Richard C.
- Hazbun, Waleed
- McKnight, Utz Lars
- Smith, Joseph L.

### Associate Professors

- Caillier, James
- Hale, Christopher W.
- Hawley, George
- Levine, Daniel
- Linken, Allen
- Miller, Ted H.
- Patton, Dana J.
- Royed, Terry J.

### Assistant Professors

- Davis, Nicholas
- Del Ponte, Alessandro
- Edgell, Amanda
- Ji, Hyunjung
- Kalaycioglu, Elif
- Park, Seungbin
- Park, Sungho
- Wagner, Regina

### Professors Emeriti

- Alsikafi, Majeed
- Baldwin, J. Norman
- Borrelli, Stephen
- Cassel, Carol A.
- Chotiner, Barbara A.
- Cotter, Patrick R.
- Kline, Harvey F.
- Oneal, John R.
- Snow, Donald M.
- Staub, Stephen A.
- Stewart, William H.

### PSC101 Intro American Politics SB

Hours 3

Survey of the principles, political institutions, and practices of American national, state, and local politics. Elucidation of how people can affect government processes and decisions, and how government processes and policies affect people.

Social and Behavioral Sciences

**PSC103 Intro Public Policy**

Hours 3

Survey of problems encountered by American governmental units in fields such as agriculture, welfare, education, health, and business regulation.

[View All Courses](#)

**Faculty****Chair**

Smith, Joseph L.

**Professors**

Albrecht, Holger

DeRouen, Karl, Jr.

Fording, Richard C.

Hazbun, Waleed

McKnight, Utz Lars

Smith, Joseph L.

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Oneal, John R.

Snow, Donald M.

Staub, Stephen A.

Stewart, William H.

**Economics, BA**

The study of economics is an excellent way to acquire problem-solving skills and develop a logical way of analyzing various social problems. The economics major includes coursework in microeconomics, macroeconomics, economic policy, and econometrics. The department of Economics, Finance and Legal Studies offer a broad range of economic courses with a flexible major requirement so the students can choose to take courses that match their academic ability, interests, and career goals. Students with a major in economics are well prepared for advanced study in economics, law, and business as well as careers in business consulting, policy analysis, economic research, and financial services.

**Prerequisite Policy**

The catalog and registration system provide information on the preparation necessary in order to enroll in a specific course. All 300-level courses in the College of Arts and Sciences have either a specific prerequisite course or have the expectation that the student will have junior standing (61 earned hours), or the permission of the instructor, in order to enroll.

The College of Arts and Sciences offers a bachelor of arts (BA) degree through both the College of Arts and Sciences and the Culverhouse College of Business. Following is the standard track that Arts and Sciences students may follow for a major in economics.

**Quantitative Track**

Required Courses		Hours
EC 110	Principles of Microeconomics	3
EC 111	Principles of Macroeconomics	3
EC 308	Intermediate Microeconomics	3
EC 309	Intermediate Macroeconomics	3
EC 413	Econ Forecasting & Analysis	3
EC 471	Econometrics	3
12 hours of Economic Electives <sup>1</sup>		12
<b>Total Hours</b>		<b>30</b>

**Footnotes**

<sup>1</sup> 12 hours must be at 300 level or higher. Students in the quantitative track must meet the requirements for the Mathematical Statistics minor and take EC 413 Econ Forecasting & Analysis and EC 471 Econometrics.

**Standard Track**

Students who wish to pursue a more challenging program can opt for the quantitative track, which requires EC 413 Econ Forecasting & Analysis and EC 471 Econometrics, along with the mathematical statistics minor. This program is shown here.

Required Courses		Hours
EC 110	Principles of Microeconomics	3
EC 111	Principles of Macroeconomics	3
EC 308	Intermediate Microeconomics	3
EC 309	Intermediate Macroeconomics	3
18 hours of Economics Electives <sup>1</sup>		18
ST 260	Statistical Data Analysis	3
MATH 121 or	Calculus & Applications	3

MATH 125 Calculus I	
<b>Total Hours</b>	<b>36</b>

**Footnotes**

<sup>1</sup> 12 hours must be at 300 level or higher. Students in the quantitative track must meet the requirements for the Mathematical Statistics minor and take EC 413 Econ Forecasting & Analysis and EC 471 Econometrics.

The opportunities for students who complete a bachelor's degree in economics range from positions in banking and financial services to real estate, insurance, enterprise risk management, consulting, and the public sector. The economics major also provides excellent preparation for admission to law school, MBA programs, schools of public policy, doctoral programs in economics, finance, and other areas of business.

## Types of Jobs Accepted

consulting firms, litigation consultant, stock broker, financial advisor, data miner, Teach for America, economist for public utilities commission

## Jobs of Experienced Alumni

attorney, professor of economics, credit risk manager, data miner, various management positions, public policy analyst

Learn more about opportunities in this field at the Career Center

## International Studies, BA

Those enrolled in this major may have a variety of interests including public service careers that deal with international affairs, the legal profession—especially international law—teaching in high schools and universities, the military, FBI, CIA, graduate school, and political advocacy. Beyond the college requirements, coursework for this major typically includes anthropology, economics, geography, history, languages, political science, and religious studies.

318 ten Hoor Hall

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

Students are encouraged to study abroad while fulfilling the requirements of the international studies program. For more information, contact the Capstone International Center.

Students earning the Bachelor of Arts (BA) degree with a major in International Studies must complete all University, college and departmental degree requirements. These include the General Education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Please note, students may not count courses in both the major and the minor or across majors. If a required course is applying to another major or minor, it must have an appropriate substitution (see below) approved by the Program Director.

Code and Title	Hours
<b>Major Courses</b>	
ANT 102 Intro to Cultural Anthropology	3

EC 111 or EC 113	Principles of Macroeconomics Honors Prin of Macroeconomics	3
GY 105	World Regional Geography	3
HY 102 or HY 106	Western Civ Since 1648 Honors West Civ Sc 1648	3
PSC 204	International Relations	3
	Credit Hours Subtotal:	15
<b>Field Requirement</b>		
	Select six hours among the fields at 300 or 400 level	6
	Select six hours among the fields	6
	Credit Hours Subtotal:	12
<b>Focused Areas of Study</b>		
	Select three hours at the 300 or 400 level	3
	Select six hours among the concentration areas	6
	Credit Hours Subtotal:	9
<b>Total Hours</b>		<b>36</b>

## Fields

Students must earn a minimum of 12 hours chosen from one of the following fields. Without exception, a maximum of 6 hours can be applied from a single department. A minimum of 12 hours of 300- and 400-level courses in the major (Field and Focused Area of Study) must be earned in residence (Note: UA Faculty-led study abroad courses are also considered in residence.). With **prior** approval of the Program Director, courses such as Special Topics, Honors, study abroad, internships, independent study may be considered as substitutions for those listed. However, courses that focus primarily on art, film, folklore, language instruction, literature, music, or philosophy cannot be used as substitutes. Consult the Program Director before registering for substitutions approval. Be sure to get **prior** approval from the Program Director if you wish degree credit for internships, independent study, and study abroad courses. Internship credit is not given retroactively. Note that Special Topics course content varies, and students must seek approval from the Program Director in order to count Special Topics courses toward the major or minor.

### Field 1: International Relations

Code and Title	Hours
ANT 208 Anthropology of Sex	3
ANT 210 Language and Culture	3
ANT 225 Introduction to Global Health	3
ANT 275 Race, Ethnicity, & Human Var.	3
ANT 402 Health Inequities	3
ANT 405 Culture, Mind, and Behavior	3
ANT 411 Culture, Health, and Healing	3
ANT 421 Ethnography	3
ANT 440 Culture	3
CIP 200 Global & Cultural Perspectives	3
CIP 202 Global&Cultural Persp: ExpLrng	3
CJ 422 Terrorism	3
CL 300 History of the Early Church	3
GY 267 Political Ecology	3
GY 377 Cultural Geography	3
GY 453 Environment & Society	3
HY 117 World History to 1500	3
HY 118 World History Since 1500	3

HY 317	America at War 1916-2016	3
HY 325	Us-World Power to 1898	3
HY 328	United States of War	3
HY 341	Hy US - Vietnam War	3
HY 356	Holocaust: History, Memory	3
HY 357	World War I	3
HY 358	World War II	3
HY 368	Caribbean History Since 1492	3
HY 370	A history of the Atlantic World, 1400-1800	3
HY 388	The Crusades	3
HY 480	Survey of Military History	3
HY 481	War/Dipl. in Med & Mod. Europe	3
HY 482	War & Religion in the West	3
HY 483	Thirty Years' War	3
PSC 203	Comparative Politics	3
PSC 330	Democratization	3
PSC 331	Politics of Developing Nations	3
PSC 337	Politics of the Middle East	3
PSC 340	Civil Wars	3
PSC 343	Authoritarianism	3
PSC 344	The Israel-Palestine Conflict	3
PSC 345	Issues in Global Governance	3
PSC 413	Amer Foreign Policy	3
PSC 414	Foreign Policy Decisionmaking	3
PSC 434	Internatl Polit Econom	3
PSC 435	War And Peace	3
PSC 441	Terrorism and Political Islam	3
PSC 442	Internatl Conflict	3
PSC 443	Comparative Pub Policy	3
PSC 444	International Organizations	3
PSC 445	Humanitarianism	3
PSC 446	Political Economy of Security	3
PSC 449	IR of the Middle East	3
REL 102	Religions of World	3
REL 106	Intro to Ancient Religions	3
REL 209	Buddhism	3
REL 223	Holocaust Historical Perspecti	3
REL 224	Judaism	3
REL 226	African Diaspora Religions	3
REL 236	Islam	3
REL 238	Philosophies Of Judaism	3
REL 336	Islam and the West	3
REL 371	Adv St Religion and Conflict	3
REL 410	Religion and Genocide	3
REL 436	Making Islam	3
REL 440	Theories of Religion	3
SW 419	International Social Work	3

## Field 2: International Business

Code and Title	Hours
EC 430 International Trade	3
FI 431 International Finance	3
IBA 250 Context of Global Business	3

IBA 350	Introduction to World Business	3
IBA 351	Multinat'l Bus. Communication	3
IBA 352	Honors Intro to World Business	3
IBA 455	Global Marketing	3
IBA 460	Export/Import Management	3
MKT 300	Marketing	3
PSC 434	Internatl Polit Econom	3

## Field 3: Peace and Conflict Studies

Code and Title	Hours	
CJ 422	Terrorism	3
HY 317	America at War 1916-2016	3
HY 325	Us-World Power to 1898	3
HY 328	United States of War	3
HY 341	Hy US - Vietnam War	3
HY 357	World War I	3
HY 358	World War II	3
HY 388	The Crusades	3
HY 480	Survey of Military History	3
HY 481	War/Dipl. in Med & Mod. Europe	3
HY 482	War & Religion in the West	3
HY 483	Thirty Years' War	3
PSC 340	Civil Wars	3
PSC 344	The Israel-Palestine Conflict	3
PSC 345	Issues in Global Governance	3
PSC 414	Foreign Policy Decisionmaking	3
PSC 435	War And Peace	3
PSC 441	Terrorism and Political Islam	3
PSC 442	Internatl Conflict	3
PSC 445	Humanitarianism	3
PSC 446	Political Economy of Security	3
REL 371	Adv St Religion and Conflict	3
REL 410	Religion and Genocide	3

## Focused Areas of Study

Students must earn a minimum of 9 hours chosen from one of the following Focused Areas of Study. Without exception, a maximum of 6 hours can be applied from a single department. A minimum of 3 hours must be at the 300- or 400-level. A minimum of 12 hours of 300- and 400-level courses in the major (Field and/or Focused Area) must be earned in residence. (Note: UA faculty-led study abroad courses are also considered in residence.) With prior approval of the Program Director, courses such as special topics, honors, study abroad, internships, independent study, or others may be considered as substitutions for those listed. However, courses that focus primarily on art, film, folklore, language instruction, literature, music, or philosophy cannot be used as substitutions. Consult the Program Director on substitutions prior to registering. Note that Special Topics course content varies, and students must seek approval from the Program Director in order to count Special Topics courses toward the major or minor.

### Focused Area of Study 1: Asia

Code and Title	Hours	
ANT 217	Peoples of Asia	3
ANT 415	Contemporary China	3

CHI 270	Intro to Chinese Culture	3
HY 113	Asian Civilization to 1400	3
HY 114	Modern Asia since 1400	3
HY 338	Contemporary China 1921-2000	3
HY 341	Hy US - Vietnam War	3
HY 404	Modern China since 1600	3
REL 209	Buddhism	3
REL 220	Survey Of Asian Religion	3
REL 236	Islam	3
REL 321	Rel & Ident in South Asia	3

Language minor: Chinese or Japanese

### Focused Area of Study 2: Latin America

Code and Title	Hours
ANT 261	South American Archaeology 3
ANT 303	Maya Language and Culture 3
ANT 319	Ancient New World Civilization 3
ANT 409	Ancient Maya Civilization 3
ANT 413	Peoples of Latin Amer 3
ANT 462	Ancient Andean Civilizations 3
GY 345	Geography of Latin America 3
HY 111	Colonial Latin America 3
HY 112	Modern Latin Am Since 1808 3
HY 368	Caribbean History Since 1492 3
HY 370	A history of the Atlantic World, 1400-1800 3
HY 371	History of Brazil 3
HY 373	Enviro History of Americas 3
HY 377	Mexico since 1810 3
HY 378	Drugs, Booze, and Mexican Society 3
HY 379	History of Modern Argentina 3
HY 473	Indians, Nuns, & Rogues 3
HY 474	Relation US Latin Amer 3
HY 477	Imperial Spain's "Golden Age" 3
LAS 401	LACLS Seminar 3
PSC 332	Politics of Latin America 3
PSC 338	Mexican Politics 3

Language minor: Spanish

### Focused Area of Study 3: Middle East and Africa

Code and Title	Hours
ARB 350	Culture in Africa/Middle East 3
ANT 414	Anthropology of Africa 3
GY 344	Geography Of Africa 3
HY 384	Ancient Egypt Near East 3
HY 388	The Crusades 3
PSC 336	African Politics 3
PSC 337	Politics of the Middle East 3
PSC 344	The Israel-Palestine Conflict 3
PSC 441	Terrorism and Political Islam 3
PSC 449	IR of the Middle East 3
REL 224	Judaism 3
REL 226	African Diaspora Religions 3
REL 236	Islam 3

REL 336	Islam and the West	3
REL 436	Making Islam	3
Language minor: Arabic or French		

### Focused Area of Study 4: Russia and Eastern Europe

Code and Title	Hours
HY 356	Holocaust: History, Memory 3
HY 357	World War I 3
HY 358	World War II 3
HY 361	Russia to 1894 3
HY 362	Russia-Soviet Union since 1894 3
HY 457	The Russian Revolution 3
REL 223	Holocaust Historical Perspecti 3
RUS 325	Dostoevsky 3
RUS 326	Tolstoy 3
RUS 401	Directed Readings 1 to 3
RUS 402	Directed Readings 1 to 3
RUS 426	Readings in Russian History 3

Language minor: Russian.

### Focused Area of Study 5: Western Europe

Code and Title	Hours
ANT 412	Anthropology of Europe 3
CL 333	Greek Civilization 3-6
CL 350	Roman Religion 3
CL 385	History Of Greece 3
CL 386	History Of Rome 3
FR 331	French Civilization 3
GN 371	Gn Cult Civil Thru 1832 3
GN 372	Germn Cult Civ 1832-Present 3
GY 346	Geography of Europe 3
HY 305	Topics in European History 3
HY 349	History of France 1760-present 3
HY 355	German History Sc 1740 3
HY 356	Holocaust: History, Memory 3
HY 357	World War I 3
HY 358	World War II 3
HY 365	European Consumer Society 3
HY 366	Modern Britain, 1700-2015 3
HY 367	Honors Mod Britain, 1700-2015 3
HY 382	Early Modern Britain 3
HY 383	Honors Early Modern Britain 3
HY 385	History Of Greece 3
HY 386	History Of Rome 3
HY 388	The Crusades 3
HY 391	Medieval Britain 3
HY 392	Honors Medieval Britain 3
HY 442	The Middle Ages 3
HY 443	Renaissance 3
HY 444	Reform & Counter-Reformation 3
HY 446	Age of Reason 1715-89 3
HY 448	Women in Europe since 1750 3
HY 481	War/Dipl. in Med & Mod. Europe 3



HY 482	War & Religion in the West	3
HY 483	Thirty Years' War	3
HY 490	England under Tudors	3
HY 491	England under Stuarts	3
HY 494	Britain in the Victorian Age	3
HY 495	Honors Britain Victorian Age	3
PSC 334	Government Politics West Europ	3
REL 223	Holocaust Historical Perspecti	3
Language minor: French, German, Italian, or Spanish		

### Focused Area of Study 6: Methods (this option is only available for students choosing the Peace and Conflict Studies Field)

Code and Title	Hours	
EC 471	Econometrics	3
PSC 202	Political Science Methods	3
ST 260	Statistical Data Analysis	3
ST 450	Stat Methods in Research I	3
ST 451	Stat Methods in Research II	3
Language minor: Any foreign language minor		

### Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

### Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major (Field and Focused Area of Study) must be earned on this campus. A minimum of 6 hours of 300- and 400-level courses in the minor must also be earned on this campus.

### Ancillary Courses

This major does not require ancillary courses. However, courses in the Field and Focused area of Study requirements may have prerequisites.

### Required Minor

Students must minor in a foreign language that is spoken in a region of the world the student has selected for the Focused Area of Study requirement. A minor in any language will meet this requirement for students who have selected the Peace and Conflict Studies Field. Students who are demonstrably fluent to the level expected of a language minor (as evidenced by the positive assessment of a MLC faculty member fluent in the language) may opt out of the language minor if their second language is widely spoken in the selected Focused Area of Study. Students who opt out of the language minor will replace it with a minor relevant to the selected Focused Area of Study.

### Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser **in the major department** for academic planning and to be approved for registration **each semester**. It is very strongly recommended students also be regularly advised **in their minor department**. College advisers are also available for additional assistance with minor, College and University requirements.

This degree can lead to opportunities with investigative, intelligence, and diplomatic agencies. Some graduates go on to law or graduate school or international business.

Types of Jobs Accepted: Graduate school, military, business

## International Studies, Minor

318 ten Hoor Hall

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours	
<b>Minor Courses</b>		
Select two of the following:		
ANT 102	Intro to Cultural Anthropology	6
GY 105	World Regional Geography	
EC 111 or	Principles of Macroeconomics	
EC 113	Honors Prin of Macroeconomics	
HY 102 or	Western Civ Since 1648	
HY 106	Honors West Civ Sc 1648	
PSC 204	International Relations	
<b>Field requirement</b>		
Select 12 hours, 6 hours must be at the 300 or 400 level.		12
<b>Total Hours</b>		<b>18</b>

### Fields

Students must earn a minimum of 12 hours from one of the following Fields. **Without exception, a minimum of 6 of these hours must be at the 300- or 400-level and earned on this campus (in residence).** This means courses taught on campus or by UA faculty teaching in a program off-campus. These courses must focus on topics that transcend one country or region (regions are defined here as Asia, Latin America and the Caribbean, Middle East and Africa, Russia and Eastern Europe, and Western Europe). **A course focused on one country or region, will not satisfy the Field requirement.** With the approval of the program director other courses - including Special Topics - can sometimes be counted. Courses that focus primarily on art, film, folklore, language instruction, literature, music, or philosophy will not count as substitutions. Students must consult the program director **prior** to registering for study abroad, internship, or independent study courses if they expect these courses to count towards the minor. Internship courses cannot be counted retroactively.

### Field 1: International Relations

Code and Title	Hours	
ANT 208	Anthropology of Sex	3
ANT 210	Language and Culture	3
ANT 275	Race, Ethnicity, & Human Var.	3
ANT 311	Pop., Health & Human Origins	3
ANT 319	Ancient New World Civilization	3
ANT 402	Health Inequities	3
ANT 405	Culture, Mind, and Behavior	3
ANT 411	Culture, Health, and Healing	3
ANT 421	Ethnography	3
ANT 440	Culture	3

CIP 200	Global & Cultural Perspectives	3
CJ 422	Terrorism	3
GY 267	Political Ecology	3
GY 377	Cultural Geography	3
GY 453	Environment & Society	3
HY 117	World History to 1500	0 or 3
HY 118	World History Since 1500	0 or 3
HY 295	Us Naval History	3
HY 317	America at War 1916-2016	3
HY 325	Us-World Power to 1898	3
HY 328	United States of War	3
HY 341	Hy US - Vietnam War	3
HY 356	Holocaust: History, Memory	3
HY 357	World War I	3
HY 358	World War II	3
HY 368	Caribbean History Since 1492	3
HY 370	A history of the Atlantic World, 1400-1800	3
HY 388	The Crusades	3
HY 480	Survey of Military History	3
HY 481	War/Dipl. in Med & Mod. Europe	3
HY 482	War & Religion in the West	3
HY 483	Thirty Years' War	3
PSC 203	Comparative Politics	3
PSC 330	Democratization	3
PSC 331	Politics of Developing Nations	3
PSC 337	Politics of the Middle East	3
PSC 340	Civil Wars	3
PSC 343	Authoritarianism	3
PSC 344	The Israel-Palestine Conflict	3
PSC 345	Issues in Global Governance	3
PSC 413	Amer Foreign Policy	3
PSC 414	Foreign Policy Decisionmaking	3
PSC 434	Internat'l Polit Econom	3
PSC 435	War And Peace	3
PSC 441	Terrorism and Political Islam	3
PSC 442	Internat'l Conflict	3
PSC 443	Comparative Pub Policy	3
PSC 444	International Organizations	3
PSC 445	Humanitarianism	3
PSC 446	Political Economy of Security	3
PSC 449	IR of the Middle East	3
REL 100	Intro To Religious Studies	3
REL 102	Religions of World	3
REL 106	Intro to Ancient Religions	3
REL 209	Buddhism	3
REL 220	Survey Of Asian Religion	3
REL 223	Holocaust Historical Perspecti	3
REL 224	Judaism	3
REL 236	Islam	3
REL 336	Islam and the West	3
REL 371	Adv St Religion and Conflict	3
REL 410	Religion and Genocide	3

REL 436	Making Islam	3
REL 440	Theories of Religion	3
REL 480	Seminar Rel and Conflict	3
SW 419	International Social Work	3

## Field 2: International Business

Code and Title	Hours	
EC 430	International Trade	3
EC 431	International Finance	3
IBA 250	Context of Global Business	3
IBA 350	Introduction to World Business	3
IBA 351	Multinat'l Bus. Communication	3
IBA 455	Global Marketing	3
IBA 460	Export/Import Management	3
MKT 300	Marketing	3
PSC 434	Internat'l Polit Econom	3

## Field 3: Peace and Conflict Studies

Code and Title	Hours	
CJ 422	Terrorism	3
HY 317	America at War 1916-2016	3
HY 328	United States of War	3
HY 341	Hy US - Vietnam War	3
HY 357	World War I	3
HY 358	World War II	3
HY 388	The Crusades	3
HY 480	Survey of Military History	3
HY 481	War/Dipl. in Med & Mod. Europe	3
HY 482	War & Religion in the West	3
HY 483	Thirty Years' War	3
PSC 340	Civil Wars	3
PSC 344	The Israel-Palestine Conflict	3
PSC 345	Issues in Global Governance	3
PSC 413	Amer Foreign Policy	3
PSC 414	Foreign Policy Decisionmaking	3
PSC 435	War And Peace	3
PSC 442	Internat'l Conflict	3
PSC 441	Terrorism and Political Islam	3
PSC 445	Humanitarianism	3
PSC 446	Political Economy of Security	3
REL 223	Holocaust Historical Perspecti	3
REL 371	Adv St Religion and Conflict	3
REL 410	Religion and Genocide	3
REL 480	Seminar Rel and Conflict	3

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation of grade point average calculations.

## Upper-level Residency

A minimum of 6 hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each INST minor should meet with an advisor in the **International Studies department** (within the Political Science Department) on a regular basis for questions concerning minor requirements.

## Political Science, BA

Students enrolled in political science classes may have interests in public service careers at the national, state, and local levels; the legal profession; teaching in high schools and universities; political advocacy; nonprofit organizations related to public policy; elective and appointive office; political campaigns; and the media. Studying political science also contributes to informed and effective citizenship.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The department offers several opportunities to earn advanced-level credit through its own Study Abroad programs: currently in Sweden, Guatemala, Israel, Belgium, and Germany. The department also offers credit for selected students' participation in the UA Mock Trial Team, as well as credit for internships in federal, state, and local politics and government.

Outstanding students can apply for the department's Accelerated Masters' Program, which allows students to begin work on a graduate degree while still enrolled as an undergraduate.

Students earning the bachelor of arts (BA) degree with a major in political science must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
PSC 101 Intro American Politics	3
Select two of the following:	6
PSC 202 Political Science Methods	
PSC 203 Comparative Politics	
PSC 204 International Relations	
PSC 205 Political Theory	
PSC 206 Public Administration	
Credit Hours Subtotal:	9
<b>Field Requirement</b>	
Select a minimum of three hours in three of the fields	9
Credit Hours Subtotal:	9
<b>Electives</b>	
Select 12 hours of PSC electives, 300-499 (excluding PSC 399)	12

Credit Hours Subtotal: 12

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**Total Hours** **30**

## Fields

Students must earn a minimum of 3 hours in three of the fields listed below for a total of 9 hours.

### Field 1: American Government

Code and Title	Hours
PSC 211 State & Local Govt	3
PSC 311 Pol Party & Elections	3
PSC 312 Amer Legislative Syst	3
PSC 313 The American Executive	3
PSC 314 Amer Judicial System	3
PSC 316 Southern Politics	3
PSC 318 Constitn Law Limits Gov Power	3
PSC 319 Con Law Civ Rts and Libs	3
PSC 322 Topics in American Politics	3
PSC 364 African Amer & Polit Sys	3
PSC 369 Social Movements in US	3
PSC 370 American Public Policy	3
PSC 411 Public Opinion	3
PSC 413 Amer Foreign Policy	3
PSC 417 Gender and Politics	3
PSC 464 The Politics of Health Policy	3
PSC 465 The Politics of Sex	3
PSC 466 The Politics of Poverty	3
PSC 467 American Conservatism	3
PSC 471 Equal Opportunity and the Law	3
PSC 472 Law in Everyday Life	3

### Field 2: Comparative Politics

Code and Title	Hours
PSC 203 Comparative Politics	3
PSC 323 Topics in Comparative Politics	3
PSC 330 Democratization	3
PSC 331 Politics of Developing Nations	3
PSC 332 Politics of Latin America	3
PSC 334 Government Politics West Europ	3
PSC 336 African Politics	3
PSC 337 Politics of the Middle East	3
PSC 338 Mexican Politics	3
PSC 340 Civil Wars	3
PSC 343 Authoritarianism	3
PSC 344 The Israel-Palestine Conflict	3
PSC 443 Comparative Pub Policy	3
PSC 439 UK Politics and Policy	3

### Field 3: Political Theory

Code and Title	Hours
PSC 205 Political Theory	3
PSC 325 Topics in Political Theory	3
PSC 353 Modern Political Thought	3

PSC 362	Organization Theory	3
PSC 452	American Political Thought	3

## Field 4: Public Policy and Public Administration

Code and Title	Hours	
PSC 103	Intro Public Policy	3
PSC 206	Public Administration	3
PSC 211	State & Local Govt	3
PSC 326	Topics in PA/Policy	3
PSC 361	Fiscal Policy & Budget	3
PSC 362	Organization Theory	3
PSC 365	Environmental Policy	3
PSC 370	American Public Policy	3
PSC 462	Public Personnel Admin	3
PSC 464	The Politics of Health Policy	3
PSC 443	Comparative Pub Policy	3
PSC 466	The Politics of Poverty	3

## Field 5: International Relations

Code and Title	Hours	
PSC 204	International Relations	3
PSC 324	Topics in IR	3
PSC 340	Civil Wars	3
PSC 345	Issues in Global Governance	3
PSC 413	Amer Foreign Policy	3
PSC 414	Foreign Policy Decisionmaking	3
PSC 434	Internatl Polit Econom	3
PSC 435	War And Peace	3
PSC 441	Terrorism and Political Islam	3
PSC 442	Internatl Conflict	3
PSC 444	International Organizations	3
PSC 446	Political Economy of Security	3

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus. PSC 399 Internship In PSC does not count toward this residency requirement.

## Ancillary Courses

The major in political science does not require ancillary courses. However, it is recommended that students considering graduate school study a modern foreign language.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

**Specific sections of topics courses** (PSC 320 Special Studies In PSC, PSC 321 Special Topics In PSC, PSC 395 Civil Law & Judicial Advocacy, PSC 399 Internship In PSC, PSC 421 Seminar in Political

Science and PSC 422 Seminar Political Science) **may be appropriate to fulfill the field requirements.**

PSC 399 Internship In PSC does not apply to the Department's 12-hour upper-level residency requirement. However, PSC 399 credits do count toward the total of 30 hours toward the major, and toward the College of Arts and Sciences' advanced-level course requirement.

Students should contact the department's undergraduate director concerning this use of special topics courses. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for freshman students and to provide additional assistance with minor, college and University requirements.

## Prerequisites

Unless otherwise stated, the prerequisite for enrollment in PSC 318 Constitn Law Limits Gov Power, PSC 319 Con Law Civ Rts and Libs, and PSC 439 UK Politics and Policy is PSC 101 Intro American Politics.

PSC 204 International Relations is the prerequisite for PSC 435 War And Peace and PSC 444 International Organizations The prerequisite for enrollment in 300-level political science courses is sophomore standing or permission of the instructor, and the prerequisite for 400-level political science courses is junior standing or higher or permission of the instructor.

Besides preparing students for positions in the fields of public service and politics, law, education, and journalism, the PSC major also provides skills for careers in business. Every year our students are accepted into competitive graduate programs in these fields that enhance and broaden their career prospects.

## Types of Jobs Accepted by Recent Graduates

congressional staff member, political party staff member, staff member at nonprofit organization, law enforcement official, military officer, teacher, AmeriCorps member, lobbyist, White House Staffer

## Jobs of Experienced Alumni

city manager, diplomat, elected official, lawyer, chief of staff for member of Congress, communications director for member of Congress, lobbyist, judge, civil servant, VP for Government Relations, foreign service officer, military officer, professor, teacher, journalist, business manager

Learn more about opportunities in this field at the Career Center

## Political Science, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours	
<b>Minor Courses</b>		
PSC 101	Intro American Politics	3
Select one of the following:		3
PSC 202	Political Science Methods	
PSC 203	Comparative Politics	
PSC 204	International Relations	

PSC 205	Political Theory	
PSC 206	Public Administration	
	Credit Hours Subtotal:	6
<b>Field Requirement</b>		
	Select a minimum of three hours in two of the fields	6
	Credit Hours Subtotal:	6
<b>Electives</b>		
	Select six hours of PSC electives, 300-499	6
	Credit Hours Subtotal:	6
<b>Total Hours</b>		<b>18</b>

## Fields

Students must earn a minimum of 3 hours in two of the fields listed below for a total of 6 hours.

### Field 1: American Government

Code and Title	Hours
PSC 211 State & Local Govt	3
PSC 311 Pol Party & Elections	3
PSC 312 Amer Legislative Syst	3
PSC 313 The American Executive	3
PSC 314 Amer Judicial System	3
PSC 316 Southern Politics	3
PSC 318 Constttn Law Limits Gov Power	3
PSC 319 Con Law Civ Rts and Libs	3
PSC 322 Topics in American Politics	3
PSC 364 African Amer & Polit Sys	3
PSC 369 Social Movements in US	3
PSC 370 American Public Policy	3
PSC 411 Public Opinion	3
PSC 413 Amer Foreign Policy	3
PSC 417 Gender and Politics	3
PSC 464 The Politics of Health Policy	3
PSC 465 The Politics of Sex	3
PSC 466 The Politics of Poverty	3
PSC 471 Equal Opportunity and the Law	3
PSC 472 Law in Everyday Life	3

### Field 2: Comparative Politics

Code and Title	Hours
PSC 203 Comparative Politics	3
PSC 323 Topics in Comparative Politics	3
PSC 330 Democratization	3
PSC 331 Politics of Developing Nations	3
PSC 332 Politics of Latin America	3
PSC 334 Government Politics West Europ	3
PSC 336 African Politics	3
PSC 337 Politics of the Middle East	3
PSC 338 Mexican Politics	3
PSC 343 Authoritarianism	3
PSC 344 The Israel-Palestine Conflict	3
PSC 443 Comparative Pub Policy	3

### Field 3: Political Theory

Code and Title	Hours
PSC 205 Political Theory	3
PSC 353 Modern Political Thought	3
PSC 362 Organization Theory	3
PSC 452 American Political Thought	3

### Field 4: Public Policy and Public Administration

Code and Title	Hours
PSC 103 Intro Public Policy	3
PSC 206 Public Administration	3
PSC 211 State & Local Govt	3
PSC 361 Fiscal Policy & Budget	3
PSC 362 Organization Theory	3
PSC 365 Environmental Policy	3
PSC 370 American Public Policy	3
PSC 462 Public Personnel Admin	3
PSC 464 The Politics of Health Policy	3

### Field 5: International Relations

Code and Title	Hours
PSC 204 International Relations	3
PSC 413 Amer Foreign Policy	3
PSC 414 Foreign Policy Decisionmaking	3
PSC 434 Internatl Polit Econom	3
PSC 435 War And Peace	3
PSC 441 Terrorism and Political Islam	3
PSC 442 Internatl Conflict	3
PSC 444 International Organizations	3
PSC 446 Political Economy of Security	3

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 6 hours of 300- and 400-level courses in the minor must be earned on this campus. PSC 399 Internship In PSC cannot be used for this requirement.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Specific sections of topics courses (PSC 320 Special Studies In PSC, PSC 321 Special Topics In PSC, PSC 421 Seminar in Political Science, and PSC 422 Seminar Political Science) may be appropriate to fulfill the field requirements. Students should contact the department's undergraduate director concerning this use of special topics courses. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, college and University requirements.

## Prerequisites

Unless otherwise stated, the prerequisite for enrollment in 300-level political science courses is sophomore standing or permission of the instructor, and the prerequisite for 400-level political science courses is junior standing or higher or permission of the instructor.

## Public Policy, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours
<b>Minor Courses</b>	
PSC 103 or Intro Public Policy	
PSC 370 American Public Policy	
<b>Political Context of Public Policy</b>	
Select one of the following:	3
PSC 101 Intro American Politics	
PSC 211 State & Local Govt	
PSC 312 Amer Legislative Syst	
PSC 361 Fiscal Policy & Budget	
PSC 443 Comparative Pub Policy	
<b>Economic Analysis</b>	
Select one of the following:	3
EC 110 Principles of Microeconomics	
EC 308 Intermediate Microeconomics	
<b>Research Methods or Data Analysis</b>	
Select one of the following:	3
BER 345 Educational Statistics	
POPH 422 Biostatistics	
CJ 280 Research Methods	
CJ 381 Statistics	
EC 471 Econometrics	
GES 255 Engineering Statistics I	
GY 430 Intro Geographic Info Systems	
MKT 473 Marketing Research	
PSC 202 Political Science Methods	
ST 260 Statistical Data Analysis	
SW 420 Research Social Work Practice	
<b>Public Policy</b>	
Select two or three of the following:	6-9
<b>Economic Policy:</b>	
EC 410 Law And Economics	
EC 413 Econ Forecasting & Analysis	
EC 430 International Trade	
EC 480 Econ of Environment	
EC 423 Public Finance	
EC 483 Health Care Economics	
<b>Environmental Policy:</b>	
GEO 105 Sustainable Earth	
GY 105 World Regional Geography	
GY 409 Forest History and Restoration	

GY 452	Environ Decision Making	
GY 453	Environment & Society	
MS 433	Coastal Zone Management	
PSC 365	Environmental Policy	
SW 419	International Social Work	
<b>Foreign Policy:</b>		
HY 474	Relation US Latin Amer	
PSC 321	Special Topics In PSC (Transnational Politics or International Institutions) <sup>1</sup>	
PSC 413	Amer Foreign Policy	
PSC 434	Internatl Polit Econom	
PSC 422	Seminar Political Science	
<b>Health Care Policy:</b>		
ANT 311	Pop., Health & Human Origins	
ANT 402	Health Inequities	
ANT 411	Culture, Health, and Healing	
RCH 400	Rural Envir/Occup Health	
POPH 423	Basic Epidemiology	
FI 444	Life & Health Insurance	
PSC 464	The Politics of Health Policy	
<b>National Security Policy:</b>		
AMS 445	The "Good War"	
HY 480	Survey of Military History	
HY 482	War & Religion in the West	
PSC 435	War And Peace	
PSC 441	Terrorism and Political Islam	
PSC 442	Internatl Conflict	
PSC 446	Political Economy of Security	
<b>Social Welfare Policy and Services:</b>		
SW 200	History Social Welfare US	
SW 206	Growing Old In America	
SW 208	Juvenile Delinquency	
SW 210	Family & Child Welfare	
SW 351	Oppression & Social Injustice	
SW 401	Soc Wel Policy & Services	
SW 442	SW Practice with Communities	
<b>Trade Policy:</b>		
EC 416	Monetary Theory & Policy	
FI 416	Monetary Theory & Policy	
<b>Urban Policy:</b>		
GY 440	Commun Facil Planning	
GY 441	Land Use Regulations	
GY 458	Urban Planning And Analysis	
GY 466	Geography of Automobility	
<b>Independent Study (Optional)</b>		
Independent project under the direction of a faculty member, as approved by the minor advisor.		3-6

**Total Hours**

**18-24**

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

The public policy studies minor requires a minimum of 18 hours. Students must take three hours from each of the following four areas for a total of 12 hours:

1. Introduction to Public Policy
2. The Political Context of Public Policy
3. Economic Analysis
4. Research Methods or Data Analysis

The remaining six hours may be completed by taking courses in public policy or independent study sections as outlined above.

## Prerequisites

Public policy studies is an interdisciplinary minor, which pulls courses from various academic departments on campus. The prerequisite rules outlined in the course descriptions apply to all those included in the minor curriculum.

## Department of Psychology

The Department of Psychology offers an undergraduate major culminating in both a Bachelor of Arts (BA) degree and Bachelor of Science (BS) degree. The department also offers a minor in psychology.

- Majors
  - Psychology, BA (p. 544)
  - Psychology, BS (p. 546)
- Minors
  - Psychology (p. 547)
  - Neuroscience (p. 544)

### Chair and Professor

- Conners, Frances

### Professor and Director of the Alabama Research Institute on Aging

- Parmelee, Patricia

### Professor and Director of Graduate Studies

- McDonald, Kristina

### Professors

- Allen, Rebecca
- Salekin, Randall
- Snow, Andrea Lynn

### Professor, Doddridge Saxon Endowed Chair and Director of the Center for the Prevention of Youth Behavior Problems

- White, Susan

### Associate Professor and Director of Clinical Psychology

- Jarrett, Matthew

### Associate Professor and Director of Experimental Psychology

- Gilpin, Ansley

### Associate Professor and Director of Undergraduate Studies

- Tomeny, Theodore

### Associate Professors

- Black, Sheila
- Gilpin, Ansley
- Glenn, Andrea
- Hamilton, James C.
- Hart, William
- Parker, Jeffrey
- Roskos, Beverly
- Salekin, Karen
- Tullett, Alexa
- White, Bradley

### Associate Professor and Director of the Psychology Clinic

- Dillard, Crystal

### Assistant Professors, Non-tenure Track

- Cummings, Craig
- Stromeyer, Sara

### Assistant professors

- Cox, Jennifer
- Cribbett, Matthew
- Cundiff, Jeanne
- Gunn, Heather
- Kois, Lauren
- McDonough, Ian
- Tomeny, Theodore

### PY101 Intro To Psychology

SB

Hours 3

Basic principles of psychology.

Social and Behavioral Sciences

### PY105 Honors Intro Psychology

SB, UH

Hours 3

Honors section of PY 101.

Social and Behavioral Sciences, University Honors

[View All Courses](#)

## Faculty

### Chair and Professor

Conners, Frances

### Professor and Director of the Alabama Research Institute on Aging

Parmelee, Patricia

### Professor and Director of Graduate Studies

McDonald, Kristina

### Professors

Allen, Rebecca

Salekin, Randall

Snow, Andrea Lynn

**Professor, Doddridge Saxon Endowed Chair and Director of the Center for the Prevention of Youth Behavior Problems**

White, Susan

**Associate Professor and Director of Clinical Psychology**

Jarrett, Matthew

**Associate Professor and Director of Experimental Psychology**

Gilpin, Ansley

**Associate Professor and Director of Undergraduate Studies**

Tomeny, Theodore

**Associate Professors**

Black, Sheila

Gilpin, Ansley

Glenn, Andrea

Hamilton, James C.

Hart, William

Parker, Jeffrey

Roskos, Beverly

Salekin, Karen

Tullett, Alexa

White, Bradley

**Associate Professor and Director of the Psychology Clinic**

Dillard, Crystal

**Assistant Professors, Non-tenure Track**

Cummings, Craig

Stromeyer, Sara

**Assistant professors**

Cox, Jennifer

Cribbett, Matthew

Cundiff, Jeanne

Gunn, Heather

Kois, Lauren

McDonough, Ian

Tomeny, Theodore

## Neuroscience Minor

The Neuroscience Minor is a rigorous interdisciplinary minor focusing on the neural bases of psychological, biological, anthropological, philosophical, and communicative processes. Course selections are comprised of upper-level courses in the Departments of Psychology, Biology, Philosophy, Anthropology, and Communicative Disorders. The Neuroscience Minor is recommended for students with a GPA of at least 3.0, have sophomore standing, and have completed at least 15 credit hours at UA.

## Declaring a Neuroscience Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

The following requirements must be met in order to complete the Neuroscience minor:

1. Eighteen (18) hours from the approved course list (below) must be taken.
2. No credit hours can be counted towards both a major and the Neuroscience minor.
3. No more than nine (9) hours from the minor may be completed in a single department.
4. A 2.0 grade point average in the minor is required.

**Select 18 hours from the following:****Hours**

ANT 405	Culture, Mind, and Behavior	
ANT 474	Neuroanthropology	
BEP 220	Brain, Learning, and Cognition	
BEP 330	Comput. Methods in Ed Neuro	
BEP 480	Neuroimaging	
BSC 300	Cell Biology	
BSC 449	Endocrinology	
BSC 448	Animal Behavior	
BSC 424	Human Physiology	
CD 352	Neuro for CD	
CD 422	Neurological Disorders	
PHL 422	Neuroethics	
PHL 462	Neural Basis of Consciousness	
PY 313	Sensation and Perception	
PY 381	Cognitive Neuroscience	
PY 413	Physiological Psych	
PY 353	Bio Basis of Psych Disorders	
PHL 360	Philosophy of Mind	

Note: Topical courses focusing on neuroscience may be approved to meet course requirements.

Students should complete course prerequisites for approved courses in the Neuroscience Minor. However, instructors offering courses in the minor may waive prerequisites to students who have demonstrated strong academic performance and have completed background courses in biological or psychological sciences to complete neuroscience courses in other departments. Students should contact the course instructor with their name, completed courses, and course grades.

## Psychology, BA

Psychology majors have a wide range of interests. Anyone preparing for a career that involves contact with other people can benefit from taking classes in psychology. Among the common pre-professional concentrations for psychology majors are pre-medical, pre-physical therapy, pre-law, pre-occupational therapy, and pre-physical therapy. Many psychology majors have interests in communication studies such as advertising and public relations. Others have interests in business and can apply their knowledge of psychology to marketing, management, or organizational behavior. Psychology majors can approach the study of behavior from a variety of perspectives ranging from humanistic



psychology, which focuses on human growth and potential, to biological bases of behavior, which focuses on relations among body, brain, and behavior. Written and oral communication skills are essential to success in psychology and related fields.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The Psychology Department Honors Program is designed to afford qualified majors the opportunity to participate in activities preparatory for graduate training in psychology. The two-year program is research-oriented and involves interactions with selected faculty and peers in an enriched and accelerated academic environment. Completion of the program is contingent on the submission of an independently conducted research project equivalent in quality to a master's thesis. Psychology majors who are in the second semester of the sophomore year with nine hours of coursework in psychology (including PY 101 Intro To Psychology, PY 211 Elem Statistical Methods and a 300-level course) to be completed by the end of the semester may apply for admission to the Psychology Department Honors Program. A completed application and interview by the Departmental Honors Committee are required before acceptance. To be accepted, it is recommended that a student have at least a 3.5 GPA in psychology coursework and a 3.3 cumulative GPA; however, meeting these standards does not guarantee admission.

Students earning the bachelor of arts (BA) degree with a major in psychology must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
PY 101 Intro To Psychology	3
PY 211 Elem Statistical Methods	3
PY 321 Professional Issues	1
PY 355 General Experimental Psychology	3
PY 356 Research Laboratory	2
PY 370 History & Systems	3
Credit Hours Subtotal:	15
<b>Electives</b>	
Select three hours of PY elective 300 or 400 level	3
Credit Hours Subtotal:	3
<b>Seminar</b>	
Select one seminar sequence: <sup>1</sup>	6
PY 379 Junior Honors Seminar & PY 491 and Senior Seminar In Psychology	
PY 391 Junior Seminar & PY 491 and Senior Seminar In Psychology	
PY 491 Senior Seminar In Psychology & 491 and Senior Seminar In Psychology	
Credit Hours Subtotal:	6
<b>Area Requirements</b>	
Select nine hours from list below	9

Credit Hours Subtotal: 9

### Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in psychology requires the successful completion of the following courses outside the major:

Select eight hours of the following:	8
BSC 108 Intro Biology Non Maj I	
BSC 109 Intro Biology Non Maj II	
BSC 114 Principles Of Biology I & BSC 115 and Laboratory Biology I	
BSC 116 Principles Biology II & BSC 117 and Laboratory Biology II	
BSC 118 Honors General Biology I	
BSC 120 Honors Gen Biology II	
CH 101 General Chemistry	
CH 102 General Chemistry	
CH 104 Introductory Chemistry	
CH 105 Introductory Org Chem	
CH 117 Honors General Chemistry	
CH 118 Honors General Chemistry	
PH 101 General Physics I	
PH 102 General Physics II	
PH 105 General Physics W/Calc I	
PH 106 General Physics W/Calc II	
PH 125 Honors Gen Ph W/Calculus	
PH 126 Honors Gen Ph W/Calculus II	
Credit Hours Subtotal:	8

**Total Hours** 41

### Footnotes

<sup>1</sup> Two seminars are required, and at least one must be PY 491 Senior Seminar In Psychology

## Area Requirements

Students must complete courses from three of the following content areas for a total of nine hours. At least one course must be at the 400 level.

### Developmental

Code and Title	Hours
PY 352 Developmental Psych	3
PY 365 Psychology Of Aging	3
PY 461 Child Psychology	3

### Learning/Cognition

Code and Title	Hours
PY 361 Psychology Of Learning	3
PY 470 Intro Cognitive Psychlgy	3

### Social/Personality

Code and Title	Hours
PY 358 Psychopathology	3
PY 368 Intro To Personality	3
PY 372 Social Psychology	3

## Biologically Based

Code and Title	Hours
PY 313 Sensation and Perception	3
PY 413 Physiological Psych	3

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

Students are responsible for ensuring that they have met all requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

PY 101 Intro To Psychology or PY 105 Honors Intro Psychology is a prerequisite for all higher-numbered psychology courses. Unless otherwise stated, all 400-level PY courses have as a prerequisite 12 hours in the psychology department, including PY 355 General Experimental Psycholog and PY 356 Research Laboratory. PY 355 General Experimental Psycholog and PY 356 Research Laboratory require a grade of C- in PY 211 Elem Statistical Methods as a prerequisite.

Psychology majors choose from a wide range of occupations in business, academics, mental health/social services, human resources, human relations, and behavioral/medical research. A good resource for evaluating possible job opportunities for persons with a bachelor's, master's, or doctoral degree can be found at: <http://www.apa.org/careers/index.aspx>

## Types of Jobs Accepted

Many psychology majors apply to a variety of graduate programs. There are doctoral and master's programs in both clinical and non-clinical aspects of psychology in graduate psychology departments. Doctorates and master's degrees may also be earned in school psychology and counseling in many colleges of education, human development, and social work.

Learn more about opportunities in this field at the Career Center

## Psychology, BS

Psychology majors have a wide range of interests. Anyone preparing for a career that involves contact with other people can benefit from taking classes in psychology. Among the common pre-professional concentrations for psychology majors are pre-medical, pre-physical therapy, pre-law, pre-occupational therapy, and pre-physical therapy. Many psychology majors have interests in communication studies such as advertising and public relations. Others have interests in business and can apply their knowledge of psychology to marketing, management, or organizational behavior. Psychology majors can approach the study

of behavior from a variety of perspectives ranging from humanistic psychology, which focuses on human growth and potential, to biological bases of behavior, which focuses on relations among body, brain, and behavior. Written and oral communication skills are essential to success in psychology and related fields.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The psychology department honors program is designed to afford qualified majors the opportunity to participate in activities to prepare for graduate training in psychology. The two-year program is research-oriented and involves interactions with selected faculty and peers in an enriched and accelerated academic environment. Completion of the program is contingent on the submission of an independently conducted research project equivalent in quality to a master's thesis. Psychology majors who are in the second semester of the sophomore year with nine hours of coursework in psychology (including PY 101 Intro To Psychology, PY 211 Elem Statistical Methods and a 300-level course) to be completed by the end of the semester may apply for admission to the psychology department honors program. A completed application and interview by the Departmental Honors Committee are required before acceptance. To be accepted, it is recommended that a student must have at least a 3.5 GPA in psychology coursework and a 3.3 cumulative GPA; however, meeting these standards does not guarantee admission.

Students earning the bachelor of science (BS) degree with a major in psychology must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
PY 101 Intro To Psychology	3
PY 211 Elem Statistical Methods	3
PY 321 Professional Issues	1
PY 355 General Experimental Psycholog	3
PY 356 Research Laboratory	2
PY 370 History & Systems	3
Select one seminar sequence: <sup>1</sup>	6
PY 379 Junior Honors Seminar & PY 491 and Senior Seminar In Psychology	
PY 391 Junior Seminar & PY 491 and Senior Seminar In Psychology	
PY 491 Senior Seminar In Psychology & 491 and Senior Seminar In Psychology	
Credit Hours Subtotal:	21
<b>Electives</b>	
Select three hours of PY elective 300 or 400 level	3
Credit Hours Subtotal:	3
<b>Area Requirement</b>	
Select three courses from three content areas	9
Credit Hours Subtotal:	9

### Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in psychology requires successful completion of the following courses outside the major:

MATH 125 or	Calculus I	4
MATH 145	Honors Calculus I	
Select eight hours of the following:		8
BSC 108	Intro Biology Non Maj I	
BSC 109	Intro Biology Non Maj II	
BSC 114	Principles Of Biology I	
& BSC 115	and Laboratory Biology I	
BSC 116	Principles Biology II	
& BSC 117	and Laboratory Biology II	
BSC 118	Honors General Biology I	
BSC 120	Honors Gen Biology II	
CH 101	General Chemistry	
CH 102	General Chemistry	
CH 104	Introductory Chemistry	
CH 105	Introductory Org Chem	
CH 117	Honors General Chemistry	
CH 118	Honors General Chemistry	
PH 101	General Physics I	
PH 102	General Physics II	
PH 105	General Physics W/Calc I	
PH 106	General Physics W/Calc II	
PH 125	Honors Gen Ph W/Calculus	
PH 126	Honors Gen Ph W/Calculus II	
Credit Hours Subtotal:		12
<b>Total Hours</b>		<b>45</b>

### Footnotes

<sup>1</sup> Two seminars are required, and one must be PY 491 Senior Seminar In Psychology

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

Majors must receive a minimum grade of C- in PY 211 Elem Statistical Methods. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, college and University requirements.

## Prerequisites

PY 101 Intro To Psychology or PY 105 Honors Intro Psychology is a prerequisite for all higher-numbered psychology courses. Unless otherwise stated, all 400-level PY courses have as a prerequisite 12 hours in the psychology department, including PY 355 General Experimental Psychology and PY 356 Research Laboratory. PY 355 General Experimental Psychology and PY 356 Research Laboratory require a grade of C- in PY 211 Elem Statistical Methods as a prerequisite.

## Area Requirement

Students must complete courses from three of the following content areas for a total of nine hours. At least one course should be at the 400 level.

### Developmental

Code and Title	Hours
PY 352 Developmental Psych	3
PY 365 Psychology Of Aging	3
PY 461 Child Psychology	3

### Learning/Cognition

Code and Title	Hours
PY 361 Psychology Of Learning	3
PY 470 Intro Cognitive Psychlgy	3

### Social/Personality

Code and Title	Hours
PY 358 Psychopathology	3
PY 368 Intro To Personality	3
PY 372 Social Psychology	3

### Biologically Based

Code and Title	Hours
PY 313 Sensation and Perception	3
PY 413 Physiological Psych	3

Psychology majors choose from a wide range of occupations in business, academics, mental health/ social services, human resources, human relations and behavioral/medical research. A good resource for evaluating possible job opportunities for persons with a bachelors, masters or doctorate degree can be found at: <http://www.psychwww.com/careers/index.htm>

## Types of Jobs Accepted

Many psychology majors apply to a variety of graduate programs. There are Ph.D. and masters programs in both clinical and non-clinical aspects of psychology in graduate psychology departments. Doctorates and masters degrees may also be earned in school psychology and counseling in many colleges of education, human development and social work.

Learn more about opportunities in this field at the Career Center

## Psychology, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title		Hours
<b>Minor Courses</b>		
PY 101	Intro To Psychology	3
Credit Hours Subtotal:		3
<b>Electives</b>		
Select six hours of PY elective 300 or 400 level		6
Select nine hours of PY electives		9
Credit Hours Subtotal:		15
<b>Total Hours</b>		<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 6 hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

PY 101 Intro To Psychology or PY 105 Honors Intro Psychology is a prerequisite for all higher-numbered psychology courses. Unless otherwise stated, all 400-level PY courses have as a prerequisite 12 hours in the psychology department, including PY 355 General Experimental Psychologist and PY 356 Research Laboratory. PY 355 General Experimental Psychologist and PY 356 Research Laboratory require a grade of C- in PY 211 Elem Statistical Methods as a prerequisite.

## Department of Religious Studies

Although many students from all across the University of Alabama enroll in religious studies courses to fulfill the University's core curriculum "humanities" or "writing" requirements, some choose to major, double major, or minor in the study of religion. Doing so allows them to examine in greater detail the histories and functions of a wide variety of texts, myths, rituals, symbols, and institutions. In the process, they take small upper-level classes, get to know professors with national and international scholarly reputations, and acquire skills that enable them to describe, compare, interpret, and explain—skills that they will use long after leaving the religious studies classroom. And, as home of both the Aronov Endowed Chair in Judaic Studies and the director of the cross-disciplinary Asian studies program, students may also pursue a minor, either in the study of Judaism or Asia – past and present.

Religious studies – also known as comparative religion, the science of religion, the history of religions, or just the academic study of religion – is part of the human sciences (such as sociology, anthropology, etc.); it was first established in Europe as an academic discipline in the late 19th century (at the same time as other fields such as comparative languages)

and, since the mid-1960s, has also flourished in U.S. public universities because it is a non-normative field. Much as political science constitutes the study of the political process itself rather than the promotion and participation in specific party politics, the descriptive and cross-culturally comparative study about religion as carried out in the publicly-funded university is to be distinguished from religious (theological) forms of study that seek to advance specific religious viewpoints. Instead, the academic study of religion aims to examine the history and contemporary forms taken by religion(s) as well as study the history and contemporary implications of using the category religion to name aspects of human behavior.

Apart from requirements that apply to all students in the College of Arts & Sciences, the only prerequisites for religious studies students are an interest in cross-cultural work in different historical periods and a curiosity about the many ways that human communities, past and present, have devised for creating worlds in which to live and act.

An REL Honors focus (requiring a regular seminar designated as an Honors Seminar plus an Honors Thesis [REL 400]) is now available. If you would like to learn more about this opportunity, please speak with the REL advisor no later than your Junior year.

Also, each Spring the Department hosts its own undergraduate research symposium, to highlight to work done by our students.

Learn more about REL on the web at <http://religion.ua.edu> or visit the Department's blog (where faculty, students, and grads all regularly post); you can find us on Vimeo and you can visit the department on Facebook as well as find out information on our student association, or follow us on Twitter @StudyReligion and Instagram. Also, check out the Department's podcast.

- Major
  - Religious Studies, BA (p. 551)
- Minors
  - Religious Studies (p. 552)
  - Asian Studies (p. 549)
  - Judaic Studies (p. 550)

### Chair

- Russell T. McCutcheon

### Undergraduate Director

- Richard Newton

### Administrative Secretary

- LeCretia Crumpton

### Professors

- Steven L. Jacobs
- Russell T. McCutcheon
- K. Merinda Simmons
- Steven W. Ramey
- Theodore L. Trost

### Associate Professors

- Michael J. Altman
- Daniel Levine
- Nathan Loewen
- Vaia Touna

**Assistant Professor**

- Richard Newton
- Edith Szanto
- Jeri Wieringa

**Instructor**

- Lauren Horn Griffin

**REL100 Intro To Religious Studies**

HU

Hours 3

Various methodological approaches to the academic study of religion, with examples of religious life and thought drawn from a variety of cultures. This course is required of all majors and minors.

Humanities

**REL101 The Violent and the Sacred: Religion and the Problem of Human Suffering**

HU

Hours 3

This introductory course examines the socio-cultural constructs called "religion" and "violence" with the help of academic theories and theorists in order to consider relationships between the two. The course introduces theories of evil, violence, and hatred, using historical and contemporary case studies on such topics as terrorism and genocide.

Prerequisite(s): N/A

Prerequisite(s) with concurrency: N/A

Humanities

View All Courses

**Faculty****Chair**

Russell T. McCutcheon

**Undergraduate Director**

Richard Newton

**Administrative Secretary**

LeCretia Crumpton

**Professors**

Steven L. Jacobs

Russell T. McCutcheon

K. Merinda Simmons

Steven W. Ramey

Theodore L. Trost

**Associate Professors**

Michael J. Altman

Daniel Levine

Nathan Loewen

Vaia Touna

**Assistant Professor**

Richard Newton

Edith Szanto

Jeri Wieringa

**Instructor**

Lauren Horn Griffin

**Asian Studies, Minor**

212 Presidents Hall

<http://asianstudies.as.ua.edu/>**Program Description**

The Asian Studies minor provides an inter-disciplinary opportunity for study and research focused on the variety of cultural regions of Asia (past and present), particularly South Asia and East Asia. The Asian Studies minor can incorporate courses in a range of areas, including anthropology, art history, Asian languages, history, literature, political science, and religious studies. Courses also frequently address international and cross-cultural issues intersecting with Asia. Through courses and events, the Asian Studies minor promotes awareness and expertise about the region and its connections throughout the world.

**Admission into the Minor**

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

**Learn More**

Follow the Asian Studies minor on Twitter @AsianStudiesUA.

Code and Title	Hours
<b>Minor Courses</b>	
Select two of the following:	6
ANT 217 Peoples of Asia	
ARH 254 Survey Of Art III	
HY 113 Asian Civilization to 1400	
HY 114 Modern Asia since 1400	
REL 102 Religions of World	
REL 220 Survey Of Asian Religion	
Credit Hours Subtotal:	6
<b>Electives</b>	
Select six hours of Asian related electives	6
Select six hours of Asian related electives 300 and 400 level	6
Credit Hours Subtotal:	12
<b>Total Hours</b>	<b>18</b>

**Electives**

Elective courses can be selected from a list approved by the Director of Asian Studies each semester, including courses such as the following:

Code and Title	Hours
ANT 217 Peoples of Asia	3
ARB 301 Third-year Arabic	3
ARH 254 Survey Of Art III	3
ARH 455 Topics In Asian Art	3
CHI 301 Third-year Chinese	3
CHI 302 Third-year Chinese	3
CHI 350 Traditional Chinese Lit Trans	3
CHI 351 Modern Chinese Lit Trans	3
CHI 354 Conversation/Composition	1-4

CHI 401	Advanced Chinese I	3
CHI 402	Advanced Chinese II	3
HY 113	Asian Civilization to 1400	3
HY 114	Modern Asia since 1400	3
HY 404	Modern China since 1600	3
JA 301	Third Year Japanese I	3
JA 302	Third Year Japanese II	3
JA 356	Traditional Japanese Lit Trans	3
JA 357	Japanese Literature & Film	3
JA 390	Topics Japanese Studies	3
JA 410	4 Yr Read/Write Japanese	3
JA 411	4th Year Spoken Japanese	3
JA 481	Directed Readings	1-4
JA 482	Directed Readings	1-4
REL 102	Religions of World	3
REL 220	Survey Of Asian Religion	3
REL 236	Islam	3
REL 321	Rel & Ident in South Asia	3
REL 322	Tales from Asia	3
REL 351	Asian Religions in America	3

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

Grades in ancillary courses are not computed into the minor grade point average. The minor in Asian studies requires the following outside the minor: two semesters or equivalent proficiency in one language chosen from Chinese, Hindi, Indonesian, Japanese, Korean, Thai, Tibetan or Vietnamese.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Judaic Studies, Minor

The interdisciplinary minor in Judaic studies provides students with the ability to focus on the history and contemporary issues of relevance to the study of Judaism. Housed in the Department of Religious Studies, the degree requires the completion of four foundational courses but also allows students to select among a series of electives, as well as transfer in courses from other departments (e.g., from history, modern languages, etc.) that are relevant to the study of Judaism. The Aronov Chair of Judaic Studies, a faculty member in Religious Studies, is the advisor for this degree.

212 Presidents Hall

<https://religion.ua.edu/undergraduate-programs/minor-in-judaic-studies/>

## Admission into the Minor

Students are expected to formally declare a Judaic studies (JUST) minor by completing the Change of Major/Minor Application online under the Student tab of myBama. Consult with the religious studies advisor in the Department of Religious Studies, who also advises for the JUST minor. The Department of Religious Studies is the home of the JUST minor.

Note: students can major in REL and also minor in JUST so long as they do not "double count" courses toward these two separate degrees.

## Special Opportunities

The Department of Religious Studies has greatly benefited from donors who have endowed scholarship funds to support its students (either as merit-based awards or funds used throughout the semester, and at the Chair's discretion, to assist those in financial need). The names of the students who have received these awards, selected by a faculty committee each year, are inscribed on plaques that hang in the department's lounge.

The department conducts four ongoing lecture and discussion series and also supports an active Religious Studies Student Association. Find us on Facebook: "Department of Religious Studies at The University of Alabama" and the "Religious Studies Student Association" or on Twitter @StudyReligion and Instagram. Finally, in addition to featuring undergraduate research on the department's blog, the Department of Religious Studies hosts an annual undergraduate research symposium. Talk to an REL professor about getting involved.

Code and Title	Hours
<b>Minor Courses</b>	
Select one of the following:	3
REL 100 Intro To Religious Studies	
REL 102 Religions of World	
REL 105 Honors Intro Relig Stdy	
REL 110 Intro To The Old Testament	3
REL 224 Judaism	3
REL 238 Philosophies Of Judaism	3
Credit Hours Subtotal:	12
<b>Electives</b>	
Select two of the following:	6
REL 223 Holocaust Historical Perspecti	
REL 347 Jewish-Christian Relations	
REL 410 Religion and Genocide	
Credit Hours Subtotal:	6
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students majoring in religious studies may not apply the same religious studies courses toward both the religious studies major and the Judaic studies minor. They must earn 21 hours of REL courses for the minor and 30 hours of REL courses for the major.

With department approval, the equivalent of up to six credit hours can be applied toward the minor requirement from relevant coursework done outside the religious studies department.

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Prerequisites

Unless otherwise stated, the prerequisite for 300- and 400-level REL courses is junior standing or permission of the instructor.

## Religious Studies, BA

Apart from requirements that apply to all students in the College of Arts and Sciences, the only prerequisites for religious studies students are an interest in cross-cultural work in different historical periods and a curiosity about the many ways that human communities—past and present—have devised for creating worlds in which to live and act.

212 Presidents Hall  
religiousstudies@as.ua.edu

## Admission into the Major

Students are encouraged to declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students declare a major by completing the Change of Major/Minor Application online under the Student tab on myBama. Prospective majors and double-majors should contact the religious studies office to make an appointment with the REL undergraduate advisor to discuss their career goals and academic interests.

## Special Opportunities

The Department of Religious Studies has greatly benefited from donors who have endowed scholarship funds to support its students (either as merit-based awards or funds used throughout the semester, and at the Chair's discretion, to assist those in financial need). The names of the students who have received these awards, selected by a faculty committee each year, are inscribed on plaques that hang in the department's lounge.

The department conducts four ongoing lecture and discussion series and also supports an active Religious Studies Student Association. Find us on Facebook: "Department of Religious Studies at The University of Alabama" and the "Religious Studies Student Association" or on Twitter @StudyReligion and Instagram. Finally, in addition to featuring undergraduate research on the department's blog, the Department of Religious Studies hosts an annual undergraduate research symposium. Talk to an REL professor about getting involved.

Students earning the bachelor of arts (BA) degree with a major in religious studies must complete all University, College, and departmental degree requirements. These include the general education requirements,

the following major requirements, all requirements for an approved minor and other necessary credits to total 120 credit hours.

Code and Title		Hours
<b>Required Courses</b>		
REL 100 or	Intro To Religious Studies	3
REL 105	Honors Intro Relig Stdy	
REL 102	Religions of World	3
REL 490	Senior Capstone Seminar <sup>1</sup>	3
<b>Electives</b>		
Select twenty-one hours of REL electives		21
<b>Total Hours</b>		<b>30</b>

### Footnotes

<sup>1</sup> REL 490 Senior Capstone Seminar is offered only in the spring semester. Students are expected to enroll during the senior year, but may enroll as early as the junior year. The Department holds seats in this class for REL students so please contact the main office (8-5271) to learn how to enroll.

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Ancillary Courses

This major does not require ancillary courses; however, students interested in graduate-level work in the study of religion are advised to take either French or German as part of the undergraduate program of study. Prospective graduate students in religious studies should consult with faculty members concerning additional language study appropriate to their particular scholarly interests.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

**With department approval**, the equivalent of up to 12 credit hours can be applied toward the major requirement from relevant coursework done outside the religious studies department. Consult the REL Advisor to discuss the possibility of counting courses done outside REL toward your REL major.

Students can count a maximum of six hours of online REL courses toward the major or minor.

For more information on degree requirements, visit [as.ua.edu/rel/degree.html](http://as.ua.edu/rel/degree.html). Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an advisor in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College, and University requirements.

## Prerequisites

Although the normal prerequisite to enroll in 300 and 400 upper-level REL courses is at least junior standing, the Department is prepared to

make exemptions. Please talk to the professor or the Undergraduate Director if you are not yet a junior but are interested in any of our upper-level courses.

### REL 310: REL Goes to the Movies

REL 310 REL Goes to the Movies is offered every semester and is devoted to studying religion in popular culture/public humanities; it is a one credit hour course repeatable up to a total of three credit hours and is open to all students. REL 310 REL Goes to the Movies meets in the evenings to view and then blog on films (different films are included each semester, with faculty introducing them and leading a discussion afterwards). It also includes attending either the annual Day or Aronov Lectures (the former each Fall and the latter each Spring).

### REL Departmental Honors

REL 400 REL Honors Thesis is part of REL Honors, which is open to majors/double majors in REL who have at least a 3.0 cumulative GPA and at least a 3.5 GPA in their REL major. It involves enrolling in 3 hours of REL 400 (normally in your senior year) and writing a final thesis (equivalent to a publishable paper in an undergraduate student journal). Departmental Honors also requires that one regularly offered REL seminar be designated as your Honors Seminar, normally taken prior to enrolling in REL 400. An oral defense of your thesis is required. Please speak with the REL advisor no later than your Junior year if you are interested in applying for Departmental Honors. For additional information, please contact the REL professor with whom you would intend to pursue thesis work.

### Types of Jobs Accepted

Majors and minors in religious studies develop crucial skills necessary for citizenship in the 21<sup>st</sup> century, including critical thinking, oral and written communication skills and cultural literacy. Graduates of the program have pursued careers in a variety of venues, such as medicine, law, non-profit government organizations, various religiously-affiliated ministries, public administration, music and teaching.

Learn more about opportunities in this field at the Career Center

## Religious Studies, Minor

212 Presidents Hall  
religiousstudies@as.ua.edu

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

### Special Opportunities

The Department of Religious Studies has greatly benefited from donors who have endowed scholarship funds to support its students (either as merit-based awards or funds used throughout the semester, and at the Chair's discretion, to assist those in financial need). The names of the students who have received these awards, selected by a faculty committee each year, are inscribed on plaques that hang in the department's lounge.

The department conducts four ongoing lecture and discussion series and also supports an active Religious Studies Student Association. Find us on Facebook: "Department of Religious Studies at The University of Alabama" and the "Religious Studies Student Association" or on Twitter @StudyReligion and Instagram. Finally, in addition to featuring undergraduate research on the department's blog, the Department of

Religious Studies hosts an annual undergraduate research symposium. Talk to an REL professor about getting involved.

Code and Title	Hours
<b>Minor Courses</b>	
REL 100 or Intro To Religious Studies	3
REL 105 Honors Intro Relig Study	
REL 102 Religions of World	3
Credit Hours Subtotal:	
	6
<b>Electives</b>	
Select 15 hours of REL electives	15
<b>Total Hours</b>	<b>21</b>

### REL 310: REL Goes to the Movies

REL 310 REL Goes to the Movies is offered every semester and is devoted to studying religion in popular culture/public humanities; it is a one credit hour course repeatable up to a total of three credit hours and is open to all students. REL 310 REL Goes to the Movies meets in the evenings to view and then blog on films (different films are included each semester, with faculty introducing them and leading a discussion after). It also includes attending either the annual Day or Aronov Lectures (the former each Fall and the latter each Spring).

### REL Honors

REL Honors, involves 3 hours of REL 400 and is only open to REL majors/double majors who meet GPA requirements. See the major requirements for more information.

### Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

### Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

### Ancillary Courses

This minor does not require ancillary courses.

### Additional Minor Requirements

**With department approval**, the equivalent of up to six credit hours can be applied toward the minor requirement from relevant coursework done outside of the religious studies department. Speak with the Religious Studies adviser to discuss courses outside REL that might enhance a minor in the study of religion.

Students can count a maximum of six hours of online REL courses toward the minor.

For more information on degree requirements, visit the Department page (p. 548). Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

### Prerequisites

Although the normal prerequisite to enroll in 300 and 400 upper-level REL courses is at least junior standing, the Department is prepared to



make exemptions. Please talk to the professor or the Undergraduate Director if you are not yet a junior but are interested in any of our upper-level courses.

## Department of Theatre and Dance

The Department of Theatre and Dance offers Bachelor of Arts (BA) degrees in theatre and in dance, a Bachelor of Fine Arts (BFA) degree in theatre, and a minor in theatre.

- Majors
  - Theatre, BA (p. 556)
  - Dance, BA (p. 554)
  - Theatre with a Musical Theatre Concentration, BA (p. 555)
  - Theatre, BFA (p. 557)

- 
- Minors
    - Theatre (p. 559)

### Chair

- Barry, Sarah M.

### Professors

- Barry, Sarah M.
- Hetzel, Allison
- Meester, Donna
- Panitch, Seth
- Snyder, Rita

### Associate Professors

- Alley, Stacy
- deCelle, F. Randy
- Guo, Qianping
- Jackson, Lawrence M.
- Martin, William
- Salzer, Rebecca
- Schoger, Kelley
- Yeager, Dominic

### Assistant professors

- Davis, Matthew
- Harrison, Luvada
- Kennedy, Fenella
- McDonald, Lyndell T.
- Reed, Alvon
- Reynolds, Matthew
- Sanchez, Soledad
- Stratton, Matt

### Instructors

- Lewers, Henry
- Nettles, Aidan
- Rivers, Jamorris
- Yeager, Tiffany

### Staff

- Calvert, Nancy
- Franks, Cindy
- Gantt, William

- Lackey, Jeanette
- Roberts, Todd

### Professors emeriti

- Carter, Cornelius
- Teague, William

### DN110 Intro To Dance Styles

Hours 3

Introduction to ballet, modern, and jazz dance through theory and practice at the beginning level.

### TH113 Voice And Diction

Hours 3

Credit for this course will not be awarded to students majoring or minoring in theatre. A beginning course designed to assist the student in improving use of his or her voice and speech. Offered annually and in the summer session.

[View All Courses](#)

## Faculty

### Chair

Barry, Sarah M.

### Professors

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Hetzel, Allison

Meester, Donna

Panitch, Seth

Snyder, Rita

### Associate Professors

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Franks, Cindy

Gantt, William

Lackey, Jeanette

Roberts, Todd

**Professors emeriti**

Carter, Cornelius

Teague, William

## Dance, BA

Students entering the program should possess technical, artistic and scholarly background, and interest in dance.

### Admission into the Major

Admission to the dance major is by audition only. For information on the audition process, contact The University of Alabama, Department of Theatre and Dance, Box 870239, Tuscaloosa, AL 35487-0239; or visit - <https://dance.ua.edu>.

### Performance Opportunities

Performance is at the heart of the University of Alabama Dance program, and each semester students will have multiple opportunities to appear onstage in the program's 622-seat Dance Theatre, as well as additional national and international touring programs. Highlights of the season include the Alabama Repertory Dance Theatre concert, in which students perform works by faculty and guest artists, and Dance Alabama, a showcase of student choreography, adjudicated by dance faculty. Other regular opportunities include the MFA Dance Concert, Dance Collection, Dance Alabama Film Festival, Alabama Dance Festival, American College Dance Association, the Dance Alabama! Tour across the state of Alabama and Yonder Contemporary Dance Company.

Students earning the bachelor of arts (BA) degree with a major in dance must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
DN 105 Freshman Seminar for DN Majors	1
DN 211 or Modern Dance II-A	3
DN 212 Modern Dance II-B	
DN 251 or Jazz Technique II-A	3
DN 252 Jazz Technique II-B	
Select one of the following:	3
DN 121 Ballet Technique I-A	
DN 122 Ballet Technique I-B	
DN 221 Ballet Technique II-A	
DN 222 Ballet Technique II-B	
Credit Hours Subtotal:	10

**Electives**

Select 11 hours of DN courses at 300/400 level	11
Select nine hours of DN or DNCA electives <sup>1</sup>	9
Credit Hours Subtotal:	20

**Ancillary Courses**

Although grades in ancillary courses are not computed into the major GPA, the major in dance requires the successful completion of the following courses outside the major with a grade of C- or higher:

DNCA 240 Choreography I	3
DNCA 265 Introduction to Anatomy and Kinesiology For Dance	3
DNCA 324 Lighting and Sound for Dance	3
DNCA 470 History Of Dance I	3
DNCA 471 History of Dance II	3
Credit Hours Subtotal:	15

**Total Hours** 45

**Footnotes**

<sup>1</sup> Excluding DNCA courses counted for ancillary requirement.

## Grade Point Average

A 2.5 grade point average in the major is required for the Dance Program and for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours in 300- and 400-level courses in the major must be earned on this campus.

## Required Minor

This major requires the completion of a minor.

## Additional Major Requirements

Dance majors must reach a proficiency level of 300 in the major technique (modern, ballet or jazz) and 200 in the secondary technique (modern, ballet or jazz) before graduation. Dance majors are encouraged to participate in all program auditions. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

Career opportunities include, but are not limited to, performing with professional dance companies, Broadway/Off-Broadway/touring productions, cruise lines, commercial/television, dance education, choreography, arts management or arts administration, running operations, finance, or the marketing arms of existing arts organizations.

## Types of Jobs Accepted

The goal of the Dance program is professional preparation, and every year the program celebrates its graduates as they begin careers as professional dancers, artistic directors, choreographers, dance teachers, dance therapists, arts administrators, arts managers, production managers, lighting and costume designers, studio managers, and many other fruitful journeys.

## Jobs of Experienced Alumni

Our alumni have been represented in Alabama Ballet, Complexions, Atlanta Ballet, STREB Dance Company, Jeanne Ruddy Dance, the Radio City Rockettes, Cleo Parker Robinson Dance Ensemble, Dayton Contemporary Dance Company, Philadanco, Gus Giordano Dance, Disney Productions and national/international Broadway tours and cruise lines. Those seeking further education are regularly accepted into world-leading graduate programs.

Learn more about opportunities in this field at the Career Center

## Theatre with a Musical Theatre Concentration, BA

### Bachelor of Arts-Musical Theatre Concentration

The Bachelor of Arts (BA) Musical Theatre concentration in the Department of Theatre and Dance is committed to fostering a student's talent and technique in all aspects of musical theatre. Students enjoy the advantage of being part of a vibrant liberal arts community with the added benefit of more intimate class sizes. This degree program is designed to help the student become a well-rounded and competitive musical theatre scholar/artist, while offering room to explore other fields of study.

By studying Musical Theatre at UA, students will:

work with a faculty of passionate, highly trained professionals.

make valuable connections in professional musical theatre by participating in master classes and auditions here on campus.

receive hands-on preparation for various employment opportunities through professional theatre conferences and on-campus auditions.

have an invaluable, competitive edge with information and material that prepares students for a comprehensive career in the business aspects of musical theatre.

have the opportunity to audition for participation in a senior showcase in NYC, performing for industry professionals.

have the opportunity to perform as part of our diverse season, in occasional touring productions, as part of SummerTide Theatre (our professional theatre in Gulf Shores), and in student productions.

## Admission into the Major

Admission to the BA-Musical Theatre concentration is by audition. Auditions are held on campus each fall and spring, with exact dates published annually on the department website. Students must complete the online application form (also on the website) and apply to The University of Alabama in order to be considered for admission. Students will be notified of acceptance, and eligibility for possible departmental scholarship in a timely fashion. If accepted, continuance is dependent upon satisfactory development, evaluated annually by the musical theatre faculty.

Please visit the departmental website for up-to-date, detailed information on the audition process at <https://theatre.ua.edu/ba-programs/program-auditions/>

## Special Opportunities

The Department of Theatre and Dance offers various programs of study leading to the BA degree in theatre. These program areas include acting,

musical theatre, theatre management and administration, scene design and technical production, and costume design and production. Please see the principal advisor in each of these areas for entrance requirements and a suggested course of study.

The highly motivated student who seeks to be well prepared for either the profession or graduate education may choose to take more hours in the major than the specified 36. This plan of action is highly desirable and strongly advised, but is not required. If more than 42 hours are accrued in the major, the student will be exceeding the 120 credit hour requirement for graduation by the number of hours taken over the single-subject 42 semester hour limit.

Students earning the bachelor of arts (BA) degree with a major in theatre must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, and other sufficient credits to total a minimum of 120 applicable semester hours.

MUSICAL THEATRE TRACK		Hours
<b>MUSICAL THEATRE REQUIREMENTS</b>		
TH 114	Intro To The Theatre	3
TH 141	Acting I	3
TH 191	Practicum I	1
TH 291	Practicum II	1
TH 391	Practicum III	1
TH 230	Stage Makeup	2
TH 165	Musicianship Theatre Perform I	3
TH 166	Musicianship Theatre Perf II	3
THMT 174	Freshman Musical Theatre Voice	2
THMT 274	Sophomore MTVoice	2
THMT 374	Junior Musical Theatre Voice	2
TH 220 or TH 231	Fundamentals of Stagecraft Beginning Costume Construction	3
TH 361 or TH 470	Beginning Directing Theatre Management	3
TH 451	Hist Of The Theatre I	3
TH 452	History Of The Theatre II	3
DN 221 or DN 222	Ballet Technique II-A Ballet Technique II-B	3
DN 210	Dance Styles II	3
TH 466	Musical Theatre Performance II	3
DN 251 or DN 252	Jazz Technique II-A Jazz Technique II-B	3
THMT 301	Musical Theatre History I	3
TH 395	Theatre Careers	3
DN 310	Dance Styles III	3
		Credit Hours Subtotal: 56
<b>THEATRE PERFORMANCE COURSES</b>		
Select 9 hours chosen from the following TH or THMT courses:		9
TH 240	Beginning Movement	
TH 242	Acting II Intro to Scene Stud	
TH 440	Stage Movement III	
TH 441	Acting III: Advanced Scene Study	
TH 444	Acting 5: Comedy and Film	
TH 445	Acting 4: Shakespeare	

TH 447	Stage Dialects		
TH 467	Musical Theatre Repertoire Coac		
THMT 474	Senior MTVoice		
		Credit Hours Subtotal:	9
<b>DANCE TECHNIQUE COURSES</b> One of these must be 300/400 level			
Select 3 hours chosen from the following DN courses:			3
DN 121	Ballet Technique I-A		
DN 122	Ballet Technique I-B		
DN 321	Ballet Technique III-A		
DN 322	Ballet Technique III-B		
Select an additional 6 hours chosen from the following DN courses:			6
DN 255	Beginning Tap Dance		
DN 351	Jazz Technique III-A		
DN 352	Jazz Technique III-B		
DN 410	Advanced Tap Technique		
DN 451	Jazz Technique IV-A		
DN 452	Jazz Technique IV-B		
		Credit Hours Subtotal:	9
<b>ELECTIVES</b>			
Select 3 hours from any TH or DN course			3
<b>Total Hours</b>			<b>77</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus

## Required Minor

The theatre major following the musical theatre track does not require the completion of a minor.

## Additional Major Requirements

The musical theatre track is designed for students preparing for professional careers or graduate study in musical theatre. Admission is by audition, and students are expected to show continued progress in acting, singing and dance. Students are responsible for ensuring that they have met all University, College, and major requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

Commercial theatre in New York, Chicago, and Los Angeles; regional theatre; film and television; education; theme parks; cruise ships; scenery and costume studios; technical production companies

## Types of Jobs Accepted

Film and television performance, production personnel in regional theatre, sales and technical personnel in production companies, high school educators, community theatre technical direction and business management, graduate school

## Jobs of Experienced Alumni

Executive director at 2nd Stage, NYC (Broadway (Hamilton, Kinky Boots), Off-Broadway (Sweeney Todd), engineer at major Las Vegas production firm, national Broadway tours (Finding Neverland, Hamilton, Cinderella, Sister Act, Chicago, The Wizard of Oz, Wicked, Something Rotten), television and film acting, costume designer at major regional theater, technical director for major Broadway scenic studio, university and high school educators, management at all levels in entertainment industry

Learn more about opportunities in this field at the Career Center

## Theatre, BA

A background in theatre, music, or art is most helpful but not required to be a successful theatre major. Performance experience can come from a variety of areas including high school theatre and musical performances, church plays, community theatres, etc.

## Admission into the Major

Students are expected to formally declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Special Opportunities

The Department of Theatre and Dance offers various areas of study leading to the BA degree in theatre. These areas include acting, musical theatre, arts management and administration, design and technical production, and costume design and production. Please see the principal advisor in each of these areas for suggested courses.

The highly motivated student who seeks to be well prepared for either the profession or graduate education may choose to take more hours in the major than the specified 36. This plan of action is highly desirable and strongly advised, but is not required. If more than 42 hours are accrued in the major, the student will be exceeding the 120-credit-hour requirement for graduation by the number of hours taken over the single-subject 42-semester-hour limit.

Students earning the bachelor of arts (BA) degree with a major in theatre must complete all University, College and departmental degree requirements. These include the general education requirements, the following major requirements, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Code and Title	Hours
<b>Major Courses</b>	
TH 114 Intro To The Theatre	3
TH 141 Acting I	3
TH 191 Practicum I	1
TH 220 or TH 231 Fundamentals of Stagecraft Beginning Costume Construction	3
TH 291 Practicum II	1
TH 361 or TH 470 Beginning Directing Theatre Management	3
TH 391 Practicum III	1
TH 451 Hist Of The Theatre I	3
TH 452 History Of The Theatre II	3

### Electives

Select one hour of TH electives 300-400 level	1
Select 14 hours of TH electives	14
Credit Hours Subtotal:	36
<b>Total Hours</b>	<b>36</b>

## Grade Point Average

A 2.0 grade point average in the major is required for completion of the degree. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of 12 hours of 300- and 400-level courses in the major must be earned on this campus.

## Ancillary Courses

The theatre major does not require ancillary courses (for exceptions, see Theatre Major: Musical Theatre Concentration (p. 555) section of this catalog).

## Required Minor

The theatre major requires the completion of a minor (for exceptions, see Theatre Major: Musical Theatre Concentration (p. 555) section of this catalog).

## Additional Major Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

Commercial theatre in NY, Chicago and LA, regional theatre, film and television, education, theme parks, cruise ships, scenery and costume studios, technical production companies.

## Types of Jobs Accepted

film and television performance; production personnel in regional theatre; sales and technical personnel in production companies; high school educators; community theatre technical direction and business management; graduate school

## Jobs of Experienced Alumni

executive director; NYC (Broadway Theater); national Broadway tours; television and film acting; costume designer at major regional theater; university and high school educators; management at all levels in entertainment industry

Learn more about opportunities in this field at the Career Center

## Theatre, BFA

### BACHELOR OF FINE ARTS

The Bachelor of Fine Arts offers more intensive training in three areas of concentration: acting, musical theatre, and design and technical production, giving advanced, highly disciplined students the tools necessary to pursue a career on stage or screen.

### BACHELOR OF FINE ARTS: ACTING CONCENTRATION

This concentration provides a rigorously structured sequence of study designed to support the actor in the development of a solid base of

technique in a wide array of acting styles and methods. The curriculum is complemented by intensive training in movement and voice for the stage, and augmented by advanced study in all areas of theatre, including directing, playwriting, design, and technology. All courses are taught by a vibrant, distinguished faculty of working professionals, dedicated to partnering with students to achieve greater success, both at the University and in the world beyond.

From the first semester on campus, BFA students are provided considerable performance opportunities in the Mainstage and Studio seasons, as well as in a performance showcase tailored specifically for first-year students. With their extensive national and international connections, the faculty facilitates significant performance experiences each summer, including an ongoing internship with the Colorado Shakespeare Festival, and performance opportunities with the Teatro Nacionale in Havana, Cuba, the Utah Shakespeare Festival, and the Texas Shakespeare Festival.

Throughout their academic career, students will also be exposed to the highest caliber of guest artists to enrich their training, including masterclasses with Broadway, television, and film casting directors, Hollywood directors, internationally recognized guest directors, and specialists in everything from Commedia to Swashbuckling. In their final year, students perform in *Bama on Broadway*, our NYC showcase, which has served as a successful bridge to the profession for many of our graduates.

### ADMISSION PROCESS

Admission to the BFA Acting concentration is by audition and interview only. Auditions are held on campus each November and January, with dates published each fall on the department website. Students must complete the online application form (also on the website) and apply to The University of Alabama in order to be considered for admission. Students will be notified of acceptance and eligibility for possible departmental scholarship no later than February 1. If accepted, continuance is dependent upon satisfactory development, evaluated by the acting faculty at the end of each semester.

### AUDITIONS

Please visit the departmental website for up-to-date, detailed information on the audition process.

### GPA AND OTHER REQUIREMENTS

Each student enrolled in a BFA concentration must have a grade point average (GPA) of 3.0 or better in the major courses undertaken at The University of Alabama. Additional expectations and standards are set by each concentration.

### BACHELOR OF FINE ARTS: MUSICAL THEATRE CONCENTRATION

The Musical Theatre concentration is committed to fostering a student's talent and technique in the three pillars of musical theatre: acting, singing, and dancing. Students enjoy the advantage of being part of a vibrant liberal arts community with the added benefit of more intimate class sizes. The BFA is designed to prepare students for a professional career or graduate study in musical theatre. Please note, the Academic Common Market is not available to students in the BFA-MT concentration.

### By studying Musical Theatre at UA, students will:

- work with a faculty of passionate, highly trained professionals.
- make valuable connections in professional musical theatre by participating in master classes and auditions here on campus.

- receive hands-on preparation for various employment opportunities through professional theatre conferences and on-campus auditions.
- have an invaluable, competitive edge with information and material that prepares students for a comprehensive career in the business aspects of musical theatre.
- have the opportunity to audition for participation in a senior showcase in NYC, performing for industry professionals.
- have the opportunity to perform as part of SummerTide Theatre (our professional theatre in Gulf Shores), and in student productions.

#### ADMISSION PROCESS

Admission to the BFA Musical Theatre concentration is by audition. Auditions are held on campus each November and January, with exact dates published annually on the departmental website. Students must complete the online application form (also on the website) and apply to The University of Alabama in order to be considered for admission. Students will be notified of acceptance, and eligibility for possible departmental scholarship, no later than February 1. If accepted, continuance is dependent upon satisfactory development, evaluated annually by the musical theatre faculty.

#### GPA AND OTHER REQUIREMENTS

Each student enrolled in a BFA concentration must have a grade point average (GPA) of 3.0 or better in the major courses undertaken at The University of Alabama. Additional expectations and standards are set by each concentration.

#### AUDITIONS

Please visit the departmental website for up-to-date information on the audition process.

#### BACHELOR OF FINE ARTS: DESIGN AND TECHNICAL PRODUCTION CONCENTRATION

The BFA Design and Technical Production concentration at The University of Alabama is a rigorous program designed to prepare talented and highly disciplined students for work in professional theatre. It offers competitive training in a collaborative environment. In addition to the required core theatre courses, the comprehensive curriculum includes all areas of design and technical production.

Beginning in their first year, students may be considered for a wide variety of production opportunities, including mainstage productions in the Marian Gallaway Theatre and MFA student-directed productions in the Allen Bales Theatre.

#### ADMISSION/RETENTION PROCESS

Admission to the BFA Design and Technical Production concentration is by portfolio review and interview only. Students must both fill out an application form for the Design and Technical Production concentration and apply to The University of Alabama. There are two Audition/Interview Days on campus each year, one in November and one in January. Individual interviews can also be arranged. If admitted, students will be notified no later than February 1. Once accepted into the program, continuance is contingent on an annual evaluation by members of the Design and Technical Production faculty.

Admission to the program will be based on auditions, interviews, and, where appropriate, portfolio reviews. Continuance will be based upon periodic assessments. Practicums will be required in all areas of concentration. A senior project or recital will be required.

<b>Theatre, B.F.A.</b>		<b>Hours</b>
<b>B.F.A. Core Courses</b>		
TH 114	Intro To The Theatre	3
TH 141	Acting I	3
TH 220 or TH 231	Fundamentals of Stagecraft Beginning Costume Construction	3
TH 361 or TH 470	Beginning Directing Theatre Management	3
TH 451	Hist Of The Theatre I	3
TH 452	History Of The Theatre II	3
TH 191	Practicum I	1
TH 291	Practicum II	1
TH 391	Practicum III	1
TH 495	Senior Project	3
<b>Total Hours</b>		<b>24</b>
<b>Acting Concentration</b>		
		<b>Hours</b>
TH 240	Beginning Movement	3
TH 242	Acting II Intro to Scene Stud	3
TH 440	Stage Movement III	3
TH 441	Acting III: Advanced Scene Study	3
TH 442	Careers In Prof Theatre (Careers in Acting)	3
TH 444	Acting 5: Comedy and Film	3
TH 445	Acting 4: Shakespeare	3
TH 446	Adv Voice Speech Perform	3
TH 447	Stage Dialects	3
TH 448	Rehearsal Process	3
TH 499	Independent Study	3
TH 230	Stage Makeup	2
TH 365	Stage Management	3
TH 482	Playwriting I Seminar	3
Electives:		15
<b>Total Hours</b>		<b>56</b>
<b>Musical Theatre Concentration</b>		
		<b>Hours</b>
<b>MUSICAL THEATRE REQUIREMENTS</b>		
TH 165	Musicianship Theatre Perform I	3
TH 166	Musicianship Theatre Perf II	3
THMT 174	Freshman Musical Theatre Voice	2
THMT 274	Sophomore MTVoice	2
THMT 374	Junior Musical Theatre Voice	2
THMT 474	Senior MTVoice	1-2
TH 230	Stage Makeup	2
TH 242	Acting II Intro to Scene Stud	3
DN 221 or DN 222	Ballet Technique II-A Ballet Technique II-B	3
DN 210	Dance Styles II	3
DN 310	Dance Styles III	3
DN 251 or DN 252	Jazz Technique II-A Jazz Technique II-B	3
TH 466	Musical Theatre Performance II	3
TH 467	Musical Theatre Repertoire Coac	.5-2
THMT 301	Musical Theatre History I	3

TH 395	Theatre Careers	3
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**DANCE TECHNIQUE COURSES** One must be 300/400 level

Select 3 hours chosen from the following DN courses:	3
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DN 121	Ballet Technique I-A	
DN 122	Ballet Technique I-B	
DN 321	Ballet Technique III-A	
DN 322	Ballet Technique III-B	
DN 421	Ballet Technique IV-A	
DN 422	Ballet Technique IV-B	

Select an additional 6 hours from the following DN courses:	6
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DN 255	Beginning Tap Dance	
DN 410	Advanced Tap Technique	
DN 211	Modern Dance II-A	
DN 212	Modern Dance II-B	
DN 351	Jazz Technique III-A	
DN 352	Jazz Technique III-B	
DN 451	Jazz Technique IV-A	
DN 452	Jazz Technique IV-B	

Credit Hours Subtotal:	48.5-51
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**THEATRE PERFORMANCE COURSES**

Select 6 hours from the following TH or THMT courses:	6
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TH 240	Beginning Movement	
TH 440	Stage Movement III	
TH 441	Acting III: Advanced Scene Study	
TH 444	Acting 5: Comedy and Film	
TH 445	Acting 4: Shakespeare	
TH 447	Stage Dialects	

Credit Hours Subtotal:	6
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<b>Total Hours</b>	<b>54.5-57</b>
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**Design/Technical Theatre Concentration** Hours**Required Core for Design/Technical Theatre (18 Hours)**

TH 120	Principles Of Stage Design	3
TH 231 or	Beginning Costume Construction	3
TH 220	Fundamentals of Stagecraft	

Choose the class not already taken as part of the overall BFA core	
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TH 233	Beginning Costume Design	3
TH 322	Fund Of Stage Lighting	3
TH 422	Scene Design	3
TH 435	Presentation for Designers	3

Credit Hours Subtotal:	18
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**Electives (Choose a minimum of 39 hours)** 39

TH 230	Stage Makeup	2
TH 365	Stage Management	3
TH 415	Properties Construction	3
TH 416	Rigging Fundamentals	3
TH 419	Electricity and Electronics	3
TH 421	Period Decor	3
TH 423	Drafting For Theatre	3
TH 425	Scene Painting	3
TH 426	Sound Design	3
TH 427	Computer Drafting For Theatre	3

TH 428	Beginning Lighting Design	3
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TH 432	Costume Constructn II	3
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TH 433	Costume Design I	3
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TH 436	Fabric Modification	3
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TH 439	Advanced Stage Makeup	3
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TH 470 or	Theatre Management	3
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TH 361	Beginning Directing	
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Choose the class not already taken as part of the overall BFA core	
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TH 491	Practicum IV	1
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## Theatre, Minor

### Admission into the Minor

Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

Code and Title	Hours	
<b>Minor Courses</b>		
TH 191	Practicum I	1
<b>Electives</b>		
TH electives 300 or 400 level	6	
TH electives	14	
Credit Hours Subtotal:	21	

<b>Total Hours</b>	<b>21</b>
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### Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

### Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

### Ancillary Courses

This minor does not require ancillary courses.

### Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. If necessary, students may consult with the minor department academic adviser for questions concerning minor requirements.

## Culverhouse College of Business

The Culverhouse College of Business offers one undergraduate degree, the Bachelor of Science (BS). The Manderson Graduate School of Business offers the following degrees: Master of Business Administration (MBA), Master of Arts (MA), Master of Science (MS), Master of Accountancy (MAcc), Master of Tax Accounting (MTA), and Doctor of Philosophy (PhD).

The requirements specified in this catalog are intended for all students who begin their college careers during or after fall 2022. Students who have begun their careers prior to fall 2022 may choose to complete

the requirements outlined in this catalog, but if they do so, they must complete all of the requirements listed here. Students are not permitted to choose requirements from this catalog and requirements from previous catalogs. The College offers majors in accounting, economics, finance, general business, management, management information systems, marketing, and operations management, in addition to minors and concentrations in a number of specialized areas in business. Business students must complete one major within the College. They may also pursue additional majors, minors, and/or concentrations based on their individual career goals. Earning majors and minors outside of the Culverhouse College of Business is permitted.

The Culverhouse College of Business is a lower division/upper division college, meaning that students must complete their lower division classes and earn 61 hours before they are eligible to declare a major and take upper division courses. Students are allowed to take functional field courses while they are still in lower division, if they meet the prerequisites. The Capstone course must be taken at the end of the student's undergraduate academic career.

## Student Responsibilities

- Select courses that will allow reasonable progress toward a degree in the College
- Meet with an advisor in the Asa H. Bean Undergraduate Student Services Center to select courses for the upcoming semester and develop a long-term academic plan
- Maintain current and accurate contact information (via the myBama portal) and respond promptly to all communications from the University and the College
- Adhere to all relevant University and College policies, procedures, and deadlines

Culverhouse School of Accountancy (p. 565)

Department of Economics, Finance, and Legal Studies (p. 568)

Department of Information Systems, Statistics and Management Science (p. 574)

Department of Management (p. 577)

Department of Marketing (p. 583)

## Department and Program Requirements

A total of 120 hours is required for the degree of Bachelor of Science (BS) earned through the Culverhouse College of Business.

## Major Programs

The following majors are offered in the Culverhouse College of Business:

- Accounting
- Economics
- Finance
- General Business
- Management
- Management Information Systems
- Marketing
- Operations Management

Business students must complete one major within the College. They may also pursue additional majors, minors, and/or concentrations based on their individual career goals. Earning majors and minors outside of

the Culverhouse College of Business is permitted. Some majors require students to complete a concentration, double major, or approved minor. Students should consult with their advisor and major departments about approved courses of study.

## Types of Required Courses

### Lower Division Courses

These courses are typically taken by freshman and sophomore students and must be completed prior to declaring a major and taking upper division courses. A minimum grade of C- is required in each course. If a Culverhouse student attempts a lower division course and earns below the required C-, the attempt will not count toward their degree.

Lower Division Courses		Hours
A minimum grade of C- is required in each course		
GBA 146	Professional Development Series I: Exploring Your Path	1
GBA 246	Professional Development Series II: Choosing Your Path	1
EN 101	English Composition (Freshman Composition Core Designation)	3
EN 102	English Composition (Freshman Composition Core Designation)	3
MATH 121 or MATH 125	Calculus & Applications (Mathematics Core Designation) Calculus I	3
EC 110 or EC 112	Principles of Microeconomics (Social/Behavioral Science Core Designation) Honors Principles of Microeconomics	3
EC 111 or EC 113	Principles of Macroeconomics (Social/Behavioral Science Core Designation) Honors Principles of Macroeconomics	3
MIS 200	Fundamentals of Management Information Systems	3
ST 260	Statistical Data Analysis (Computer Science Core Designation)	3
AC 210 or AC 211	Intro To Accounting Honors Intro To Accounting	4
LGS 200 or LGS 201	Legal Environment of Business Honors Legal Environment of Business	3

**Total Hours** **30**

Students with the required high school units in mathematics are classified by means of standardized placement tests; only those with satisfactory placement test scores are admitted to MATH 112 Precalculus Algebra or MATH 115 Precalc Algebra & Trig. Students who do not make satisfactory scores should complete MATH 100 Intermediate Algebra before taking MATH 112 or MATH 115. MATH 100, MATH 112, and/or MATH 115 may be counted toward the degree as electives. In certain cases, students with very weak backgrounds in mathematics may be required to complete MATH 005 Introductory Algebra, which is a non-credit course. Students who choose certain concentrations or wish to apply to the Accelerated Master's Program in Finance or Economics are required to complete MATH 125 Calculus I, MATH 126 Calculus II, and MATH 227 Calculus III, which are each four-hour courses.



## General Education Courses

Students in Culverhouse College of Business are required to complete the Core Curriculum/General Education requirements of the university.

Click here (p. 364) for a detailed description of these requirements.

Students are encouraged to take these courses in their freshman and sophomore years. However, with the exception of the required lower division courses listed above, general education courses can be spread across the student's entire undergraduate career. For business students, GBA 300 Business Communications and GBA 490 Strategic Management satisfy the core writing requirement and **MUST** be taken at UA. Business students often satisfy the foreign language/computer language requirement by completing ST 260 Statistical Data Analysis and OM 300 Intro Operations Management; some majors require a specific course to complete this requirement. See departmental sections for details.

## Functional Field Courses

These courses are typically taken by sophomore and junior students and provide an overview of several major fields of study in business. A minimum grade of C- is required in each course. If a Culverhouse student attempts a functional field course and earns below the required C-, the attempt will not count toward their degree.

Functional Field Courses		Hours
A minimum grade of C- is required in each course.		
GBA 346	Professional Development Series III: Pursuing Your Path	1
GBA 300	Business Communications (Writing Core Designation)	3
MGT 300	Organizational Theory & Behavior	3
MKT 300	Marketing	3
OM 300	Intro Operations Management (Computer Science Core Designation)	3
FI 302	Business Finance	3
<b>Total Hours</b>		<b>16</b>

## Upper Division Courses

Upper division courses include all 300 and 400 level courses in Culverhouse College of Business that are not defined above as lower division or functional field courses. These can include major program courses, concentration courses, minor courses and the required Culverhouse College of Business capstone course. Junior or senior standing is required to take upper division courses.

**Enrollment in Upper Division Courses:** In order to enroll in upper division courses, students must have completed all of their lower division courses with a C- or better and have junior standing (61 hours). Students who attempt to enroll in upper division courses in violation of any of these policies will be administratively removed from courses for which they are not eligible. Students may register for upper division courses while still enrolled in lower division courses, but they will be removed from all upper division courses if these requirements are not met prior to beginning the upper division courses.

**Capstone Course:** GBA 490 Strategic Management is the Capstone Course for Culverhouse College of Business. It must be taken at The University of Alabama and at the end of a student's undergraduate academic career. A C- or better is required in GBA 490 and it satisfies 3 hours of the 6 hours of General Education Writing course requirement. If a Culverhouse student attempts GBA 490 and earns below the required C-, the attempt will not count toward their degree.

## Additional Required Courses

**Electives:** Between 19 and 21 hours of electives are required for Culverhouse College of Business Students to reach the 120 hours needed for graduation. Courses taken to complete minors, concentrations, or second/third majors count as electives.

**International Focus:** All business students are required to take at least one course (three hours) with an international focus. The course may be selected from courses in international business or from approved courses with international content in other colleges. Students should consult with their advisor for a list of approved courses. Any course taken abroad will also satisfy this requirement.

Some departments may specify required elective courses. Consult your major department for further information.

## Professional Development Requirement

All business students must satisfy the Culverhouse College of Business professional development program, UA Business LEAD, in order to stay eligible for enrollment in the College. Students must earn 250 UA Business LEAD points in Suitable each academic year, by the end of each spring semester. To earn points and complete the program, students are required to take the courses (GBA 146, GBA 246, GBA 346) in the professional development sequence. It is recommended that students take one professional development course per academic year, which will typically be GBA 146 (freshmen), GBA 246 (sophomores), and GBA 346 (juniors). In these courses, students can earn up to 200 LEAD points towards their annual 250 LEAD point requirement. Seniors can earn their required LEAD points through high impact experiences such as internships and study abroad as well as attending executive-style training sessions offered through the LEAD program. Information on additional ways to earn points, details on LEAD point activities, and the LEAD platform (called Suitable) can be found on the UA Business LEAD website at <https://students.culverhouse.ua.edu/lead/>.

## Types of Students in Culverhouse College of Business

### Lower Division Student

A lower division student is a freshman or sophomore student who is working to complete lower division courses and general education requirements. See here for a suggested course sequence based on math placement. Lower division students in their sophomore year can take functional field courses if they meet the course specific prerequisites and are advised to do so by their Culverhouse academic advisor.

### Upper Division Student

An upper division student is a student who has completed all lower division courses, has achieved junior standing (61 hours), and has declared their major. Please see the section below for the policies and procedures regarding admission to the College's upper division.

### Admission to the College's Upper Division

Business students are eligible for admission to the College's upper division upon completion of all lower division requirements outlined below. After the semester in which these requirements are satisfied, students may declare their major, concentration, and minor via the Student tab in myBama. Students who are unable to declare a major should visit an on-call advisor in the Asa H. Bean Undergraduate Student Services Center, 10 Bidgood Hall.

**Note:** In order to be officially admitted to the College's upper division, students must declare at least one business major.

## Requirements

Students are eligible for admission to the upper division and are therefore able to enroll in upper division business courses if they meet the following standards:

- Students must have achieved junior standing (61 hours). Credit earned by such means as Advanced Placement (AP), CLEP, or departmental placement is counted toward the 61-hour requirement. Students who have completed coursework at another institution and wish to have that work applied to the 61-hour requirement must ensure that transcripts from the other institution(s) are forwarded as soon as possible to The University of Alabama. Any hours completed that are not officially transferred to the student's University of Alabama record cannot be included in the calculation of the 61-hour requirement. Courses (and hours) in which a student has earned a grade of Incomplete (I) cannot be included in the calculation of the 61-hour requirement until the grade has officially been changed to a passing grade.
- Students must have completed the following required courses with grades of "C-" or higher.

Lower Division Courses		Hours
GBA 146	Professional Development Series I: Exploring Your Path	1
GBA 246	Professional Development Series II: Choosing Your Path	1
EN 101	English Composition (Freshman Composition Core Designation)	3
EN 102	English Composition (Freshman Composition Core Designation)	3
MATH 121 or MATH 125	Calculus & Applications (Mathematics Core Designation) Calculus I	3
EC 110 or EC 112	Principles of Microeconomics (Social and Behavioral Sciences Core Designation) Honors Principles of Microeconomics	3
EC 111 or EC 113	Principles of Macroeconomics (Social and Behavioral Sciences Core Designation) Honors Principles of Macroeconomics	3
MIS 200	Fundamentals of Management Information Systems	3
ST 260	Statistical Data Analysis (Computer Science Core Designation)	3
AC 210 or AC 211	Intro To Accounting Honors Intro To Accounting	4
LGS 200 or LGS 201	Legal Environment of Business Honors Legal Environment of Business	3
<b>Total Hours</b>		<b>30</b>

- Except for the general business major, which requires a minimum GPA of 2.0, students are required to have a GPA of at least 2.5 for all college level coursework attempted and a minimum GPA of 2.5 for all University of Alabama coursework attempted in order to be admitted to the upper division of the College and approved to begin upper division coursework. A student whose GPA falls below these standards may petition the Director of Undergraduate Student Services for admission to the upper division if the student's GPA for the last 30 hours attempted at The University of Alabama is at least

2.5. In order to petition for major declaration based on the student's last 30 hours, their UA and overall GPAs must be above a 2.0.

## Program Types

### Majors

The college offers eight major areas of study (Majors): Accounting, Economics, Finance, General Business, Management, Management Information Systems, Marketing, and Operations Management. See departmental catalog pages for information on major requirements.

### Minors

A minor is a secondary area of study beyond the major. Minors are open to both business and non-business students. For a Business student to pursue the minors listed in this catalog they must change to the 22-23 catalog. Each department offers a number of minors. See departmental catalog pages for information on minors and minor requirements.

### Concentrations

Concentrations are specialized areas of focus tied to, or associated with, a specific major. A student must choose the specific major tied to a given concentration. See departmental catalog pages for information on concentrations, concentration requirements, and the major to which each concentration is tied.

## Transfer Credit Policies and Procedures

Students in the Culverhouse College of Business may transfer courses from two-year colleges, four-year institutions and international institutions. Click here (p. 21) for more information about The University of Alabama's transfer credit policies and procedures. Culverhouse College of Business will make the final decision as to the applicability of transfer credits toward a student's degree program.

- For Business programs other than Accounting, Management Information Systems, and Operations Management, a maximum of six semester hours of coursework taken at another institution may be applied toward a student's major program requirements. All major program courses required by the Culverhouse School of Accountancy must be completed in residence. All Management Information Systems and Operations Management major program courses must also be completed in residence.
- Prerequisites for functional field courses cannot be taken in transiency the semester prior to enrolling in the functional field courses, unless all other lower division requirements have been completed and the student has earned 61 hours.
- The following courses must be completed in residence:
  - GBA 146 Professional Development Series I: Exploring Your Path
  - GBA 246 Professional Development Series II: Choosing Your Path
  - GBA 346 Professional Development Series III: Pursuing Your Path
  - GBA 300 Business Communications
  - GBA 490 Strategic Management

## Credit Overlap Policy

**For the purposes of this Credit Overlap Policy, the three Management concentrations (Entrepreneurship, Healthcare Analytics, and Human Resources) are each considered part of the Management major.**

### Adding Majors

Business students are required to complete one major. For Business students who want to complete additional majors, the requirements and restrictions are:

- all requirements of each additional major must be met
- each additional major beyond the first must consist of at least 12 unique credit hours

#### Adding Minors

For students who want to complete one or more minors, the requirements and restrictions are:

- all requirements of each minor must be met
- each minor must consist of at least 9 credit hours that are unique from each of the other minors or concentrations taken
- no overlap between major and minor classes is permitted

#### Adding Concentrations

For students who want to complete one or more concentrations, the requirements and restrictions are:

- all requirements of each concentration must be met
- each concentration must consist of at least 9 credit hours that are unique from the major(s) (with the exception of Management, where the concentration is considered part of the major)
- each concentration must consist of at least 9 credit hours that are unique from each of the other minors or concentrations taken
- concentrations are limited to one designated major and students taking a concentration must be in the specific major designated for that concentration

## Graduation Requirements

In order to qualify for a bachelor's degree in the Culverhouse College of Business, a student must earn a minimum of 120 semester hours of credit as specified in this catalog. Click here (p. 366) for more information regarding The University of Alabama's graduation requirements.

The following minimum standards of academic achievement must be met by each student who expects to earn a bachelor's degree from the Culverhouse College of Business. (These standards are subject to change.)

- Each student must earn a GPA of at least 2.000 for all coursework attempted in the major program.
- To earn a concentration, each student must earn a GPA of at least 2.000 for all coursework attempted in the concentration.
- To earn a minor, each student must earn a GPA of at least 2.000 for all coursework attempted in the minor.
- Each student must earn a grade of "C-" or better in each of the lower division business courses.
- Each student must earn a grade of "C-" or better in each of the functional field courses.
- Each student must earn a grade of "C-" or better in the Capstone Course

It is the student's responsibility to make sure that each of the above requirements has been met. Students should meet with an academic advisor each semester and utilize DegreeWorks, the online academic planning system, to ensure that they are making adequate progress toward the degree. The Culverhouse Registrar ([registrar@culverhouse.ua.edu](mailto:registrar@culverhouse.ua.edu)) is also available to students who wish to verify their records.

## Non-Business Majors in Upper Division Business Courses

Students from other colleges within the university may enroll in upper division Culverhouse College of Business courses (see Types of Required Courses section above), subject to the following conditions:

1. Students must have earned a minimum of 61 credit hours. Declared economics majors and economics minors in the College of Arts and Sciences may enroll in 300-level economics (EC) courses before earning 61 hours.
2. Students must adhere to the course-specific prerequisites for each course in which they enroll.

Students who attempt to enroll in upper division business courses in violation of this policy will be administratively removed from courses for which they are not eligible.

**NOTE:** For non-business students not pursuing a second major in Business who wish to enroll in upper division business courses, course-specific pre-requisites are generally fewer than those listed in the catalog for business students. Students should visit with an academic advisor in the Asa H. Bean Undergraduate Student Services Center in 10 Bidgood Hall or contact the Culverhouse Registrar ([registrar@culverhouse.ua.edu](mailto:registrar@culverhouse.ua.edu)) for more information.

## Non-Business Students Pursuing Second Majors in Business

Students from other colleges within the university can pursue a second major in the College of Business. These students must complete the same required courses as students who are earning the Bachelor of Science (BS) degree from the Culverhouse College of Business. This includes all required lower-division courses, functional field courses, major program courses, the international focus course, and the Capstone course (see Types of Required Courses section above). Students must meet the requirements to be admitted to the upper division of the College in order to take upper division courses. Any student who is considering a second major in Business should contact both the Culverhouse Registrar and the Registrar for their home college to make sure that all requirements are met.

The academic departments offer concentrations, which are only available to students in a specifically designated business major. Students should consult with their advisor and major department about current offerings and requirements, as these are subject to change. A minimum GPA of 2.0 for all required courses in a concentration is necessary for the concentration to be awarded.

## Non-Business Students Pursuing Minors in Business

Students from other colleges within the university can pursue a minor in the College of Business. Students outside of the College wishing to earn a business minor should declare it through myBama as early as possible. Each non-business student can earn only one business minor.

A GPA of 2.0 or higher within the minor must be achieved in order to earn it.

Non-business students must complete the course-specific prerequisites for each minor course and must have earned credit for a minimum of 61 semester hours at the time they enroll in upper division courses (see the Types of Courses section above). Failure to comply with this policy will result in administrative removal from business courses.

Students are responsible for ensuring that they have met all requirements to earn a minor through Culverhouse College of Business. If a non-business student has questions about their minor, they are welcome to visit with an academic advisor in the Asa H. Bean Undergraduate Student Services Center in 10 Bidgood Hall.

**NOTE:** For non-business students not pursuing a second major in Business who wish to pursue a business minor, course-specific prerequisites are generally fewer than those listed in the catalog for business students. Students should visit with an academic advisor in the Asa H. Bean Undergraduate Student Services Center in 10 Bidgood Hall or contact the Culverhouse Registrar ([registrar@culverhouse.ua.edu](mailto:registrar@culverhouse.ua.edu)) for more information.

## Admission as a Freshman Student

A student who meets the criteria for admission to The University of Alabama as a freshman is eligible for admission to the Culverhouse College of Business as a student with the intent to major in one of eight different major programs. Specific information about these criteria is available from The University of Alabama Office of Undergraduate Admissions, Box 870132, Tuscaloosa, AL 35487-0132; 205-348-5666 or toll-free 1-800-933-BAMA in the continental United States.

Entering freshman students will be designated as lower division and will remain as such until all lower division courses have been completed and they have earned 61 hours. All lower and upper division students are housed in the College.

## Admission as a Transfer Student

A student who meets the criteria for admission to The University of Alabama as a transfer student is eligible for admission to the Culverhouse College of Business as a student with the intent to major in one of eight different major programs. Culverhouse College of Business will make the final decision as to the applicability of transfer credits toward a student's degree program.

## Transfers from Two-Year Colleges

Undergraduate business programs in this catalog require 120 semester hours for the bachelor's degree. At most, 50 percent of those hours may be taken at two-year colleges and applied toward graduation requirements. Therefore, the maximum number of two-year college hours applicable to a degree in the Culverhouse College of Business is 60 hours.

Only courses that are equivalent to those numbered 100 or 200 at the University (freshman- and sophomore-level courses) may be transferred to the Culverhouse College of Business from two-year colleges. Two year college transfer students may transfer courses equivalent to the following:

- Lower Division courses
- General Education courses
- Electives

## Transfers from Four-Year Institutions

Transfers from senior colleges and universities must complete a minimum of 30 credits in residence at The University of Alabama in order to earn a degree from Culverhouse College of Business.

A maximum of six semester hours of courses taken at another institution may be applied toward a student's major program requirements. All major program coursework required by the Culverhouse School of Accountancy must be completed in residence. All Management Information Systems and Operations Management major program courses must also be completed in residence.

## Transfers from Other Divisions of The University of Alabama

Students who wish to transfer from another college into Culverhouse College of Business should consult staff members in the Asa H. Bean Undergraduate Student Services Center in 10 Bidgood Hall to discuss the procedures involved in transferring and the applicability of previous and present coursework.

## Students with Bachelor's Degrees

Students who have completed an undergraduate degree in another discipline and are interested in completing a second degree in business should contact the Culverhouse Registrar to determine their eligibility to earn a Bachelor of Science (BS) from the Culverhouse College of Business. If eligible for the degree, students must meet the requirements described for business majors in this catalog. A minimum of 30 hours of coursework beyond the first degree is required to earn a second bachelor's degree. For more information, students should consult with the Culverhouse Registrar in the Asa H. Bean Undergraduate Student Services Center in 10 Bidgood Hall.

## Academic Second Opportunity

Culverhouse students who are approved for Academic Second Opportunity (ASO) must complete at least 6 hours in residence post-ASO with a 2.500 or higher GPA to declare any of the following majors in the upper division: Accounting, Economics, Finance, Management, Management Information Systems, Marketing, or Operations Management. To declare General Business in the upper division, students must complete 6 hours in residence post-ASO with a 2.000 or higher GPA. More information about Academic Second Opportunity can be found here (p. 12).

## Auditing Courses

A student may register for a course as an auditor with the approval of the both the professor and the department offering the course. The deadline for registering as a course auditor coincides with the deadline for adding courses at the beginning of each semester. Consult the College Registrar for more information.

The requirements that auditors are expected to meet in an audited course are left to the discretion of the instructor. Audited courses do not count toward degree requirements.

## Graduation

The following graduation policies and procedures apply to each student wishing to earn a bachelor's degree in the Culverhouse College of Business:

1. A student must be granted admission to the College's upper division at least one semester prior to graduation. A student who is still listed in the system as lower division will not be able to submit a degree application.
2. Each candidate for graduation from Culverhouse must submit an application for degree via MyBama, the online student portal. Students should submit their degree applications online once they have earned 90 hours. Please see the University's academic calendar at [registrar.ua.edu](http://registrar.ua.edu) for the graduation application deadlines for each term.
3. All transient work should be transferred to the University before a student's final semester on campus. Students wishing to take courses on another campus during their final semester must seek

approval before registering for transient courses and must generate a Letter of Transiency via MyBama.

- Any transient work taken during a student's final semester must be transferred by the deadline stated on the University's Academic Calendar.
- All CLEP exams should be taken and the results submitted to the University before a student's final semester on campus.

## Mathematics Courses

Minimally, College of Business students must successfully complete either MATH 121 Calculus & Applications or MATH 125 Calculus I. However, some programs of study, and some graduate programs, require completion of some or all of the standard calculus sequence: MATH 125 Calculus I, MATH 126 Calculus II, and MATH 227 Calculus III. Students should discuss their math courses with their academic advisor.

Below are specific rules that govern mathematics requirements for business students:

- Once a student has earned credit for MATH 112 Precalculus Algebra and/or MATH 121 Calculus & Applications or MATH 125 Calculus I, the student may not earn credit, including CLEP, for lower-numbered mathematics courses.
- A student must take the highest MATH course for which they are eligible, except with special permission from the Department of Mathematics.
- The College will not grant degree credit for any mathematics course numbered lower than MATH 100 Intermediate Algebra at The University of Alabama.
- Per the Department of Mathematics, students cannot earn degree credit for both MATH 121 Calculus & Applications and MATH 125 Calculus I.

## Online Courses

An online course with the same course number as a regularly scheduled on-campus course fulfills the same degree requirements as an on-campus course.

## Pass/Fail Option

The University and the Culverhouse College of Business offer students the opportunity to pursue University of Alabama courses on a pass/fail basis. Click here (p. 360) for The University of Alabama's policy regarding the option to take a course on a pass/fail basis.

## Repeating Courses

Click here (p. 360) for details regarding The University of Alabama's policy on repeating courses.

Students in the Culverhouse College of Business have a maximum of **three attempts** to successfully complete each required Culverhouse course. If the third attempt is unsuccessful, the student will not be allowed to register for a fourth attempt without permission from the Director of Undergraduate Student Services. If that permission is not granted, the student may change to another division within the University.

Some programs have their own rules for repeating courses required in their majors. Consult department pages for more information.

## Accelerated Master's Program

The Accelerated Master's Program allows students to pursue graduate and undergraduate degrees concurrently. These programs are available

in several business disciplines and serve students who have exceptional ability. Students should contact their major department for details.

## Faculty

### Dean

Kay Palan

### Associate Dean for Faculty and Operations

Joanne Hale

### Associate Dean for Diversity, Equity and Inclusion

James King Jr.

### Associate Dean for Economic Development/Outreach

Samuel Addy

### Associate Dean for Graduate Programs

Sharif Melouk

### Associate Dean for Undergraduate and International Programs

David Mothersbaugh

### Associate Dean for Research

James Cochran

### Director of Diversity, Equity, and Inclusion Initiatives

Marcus Cotton

### Director of Professional Development and Engagement

Keely Latopolski

### Director of Undergraduate Programs

Lauren Bennett

### Director of Undergraduate Student Services

Brandy Frost

### Registrar

Danielle Clarke

## Culverhouse School of Accountancy

Professor Richard W. Houston, Director

Office: 314 Alston Hall

The School of Accountancy was established in July 1978 as an academic unit of the College of Business. The school was named in honor of Hugh F. Culverhouse, Sr. in February 1989. Culverhouse was an alumnus of The University of Alabama, a noted lawyer and businessman, and a major supporter of the accountancy program. The Culverhouse School of Accountancy is a charter member of the Federation of Schools of Accountancy. The School holds accounting accreditation at both the undergraduate and graduate levels. In addition to the Bachelor of Science degree, the Culverhouse School of Accountancy offers two professional master's degrees, the Master of Accountancy (MAcc) and the Master of Tax Accounting (MTA), and a Doctor of Philosophy (PhD) degree with a concentration in accounting.

- Major
  - Accounting, BS (p. 567)
    - Professional Accounting Concentration**
- Minor
  - Accounting (p. 568)

### Director and Hilton Dean Professor of Accounting

- Richard Houston

**Durr-Fillauer Chair in Business Ethics and Professor of Accounting**

- Todd DeZoort

**Fayard Endowed Chair and Professor of Accounting**

- Richard Hatfield

**Ross-Culverhouse Endowed Chair and Professor of Accounting**

- Thomas Lopez

**Joe Lane Endowed Professor of Accounting**

- Linda Parsons

**Stimpson Gulf Lumber Faculty Fellow and Professor of Accounting**

- Austin Reitenga

**Hugh Culverhouse Chair and Professor of Accounting**

- Mary Stone

**PricewaterhouseCoopers Faculty Fellow and Professor of Accounting**

- Gary Taylor

**Roddy-Garner Professor and Associate Professor of Accounting**

- Steve Buchheit

**Ernst and Young Professor and Associate Professor of Accounting**

- Quinn Swanquist

**Reese Phifer Instructor of Accounting**

- Jill Datema

**Undergraduate Diversity Director and Instructor of Accounting**

- Daphne Palmer

**Associate professors**

- Marcus Doxey
- Kris Hoang
- Troy Pollard
- Shane Stinson

**Assistant professors**

- Jodi Henley
- Chez Sealy

**Instructors**

- Zach Chism
- Sophia Kennedy
- Jessica Lloyd
- Lisa Hughes McKinney
- Karen Miller
- Donald Minyard

**AC148 Introduction to the Accounting Major and Profession**

Hours 1

AC 148 is open to freshmen and sophomores interested in learning more about the accounting profession and the accounting curriculum in the Culverhouse School of Accountancy. This course will introduce basic terminology and methodology, the accounting curriculum, career and educational resources, and career options.

Prerequisite(s): GBA 145 or GBA 146

**AC210 Intro To Accounting**

Hours 4

Introduction to accounting and financial reporting concepts and the use of accounting information in financial and managerial decisions. Students who intend to major in accounting should take AC 289 or CS 285 before or concurrently with AC 210. Students are limited to three attempts for this course, excluding withdrawals. Students cannot receive credit for both AC 210 and AC 211.

Prerequisite(s): EC 110 or EC 112

[View All Courses](#)**Faculty****Director and Hilton Dean Professor of Accounting**

Richard Houston

**Durr-Fillauer Chair in Business Ethics and Professor of Accounting**

Todd DeZoort

**Fayard Endowed Chair and Professor of Accounting**

Richard Hatfield

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Chez Sealy

**Instructors**

Zach Chism

Sophia Kennedy

Jessica Lloyd

Lisa Hughes McKinney

Karen Miller

Donald Minyard

## Accounting, BS

Accounting is a great major for students seeking a challenging career with unlimited opportunities. Top skills looked at for promotion and success for accounting majors include communication and people skills, research skills, problem solving, technical knowledge, and critical thinking. A student should be a team player, exhibit time management, and demonstrate motivation, drive, and initiative. Accounting students should stay on top of the latest information, news, and trends. Ethics and professionalism are a must.

### Admission and Retention Policies

Students are eligible for admission to Culverhouse School of Accountancy if they meet the admission criteria to the upper division of the College of Business. A student whose GPA falls below these standards may petition the Director of Undergraduate Student Services for admission to the upper division and to the Culverhouse School of Accountancy if the student's GPA for the last 30 hours attempted at The University of Alabama is at least 2.5.

Students who have not been admitted to the School of Accountancy may enroll in upper-division accounting courses offered for non-majors, provided they have fulfilled the prerequisites for those courses. A student who has not been admitted to the School of Accountancy may also enroll in 300-level accounting courses offered for accounting majors, provided that the student has fulfilled the prerequisites for those courses and either meets the criteria for admission to the Culverhouse School of Accountancy or must take those courses as part of a major, minor, or concentration. Only students who have been admitted to the Culverhouse School of Accountancy may enroll in 400-level accounting courses without special permission from the director.

**Accounting majors must complete all upper division accounting courses with grades of "C-" or higher.** If an Accounting major attempts a major program course and earns below the required C-, the attempt will not count toward their degree. A student who enrolls in any of these courses three times and fails to make a grade of "C-" or higher will not be permitted to take additional accounting courses without special permission. Enrollment is defined as registration for a course that results in the recording of hours attempted on the student's record. Priority for enrollment in upper-division accounting courses is given to students who are not repeating the courses.

Students wishing to sit for the CPA examination through the state of Alabama must complete an undergraduate accounting degree and have at least 24 hours of upper-division accounting courses. To be licensed as a CPA in Alabama, an individual must also have earned 150 semester hours of college courses, with at least 33 hours of upper-division accounting courses. To meet this requirement, students in the Culverhouse School of Accountancy can be admitted to either the Master of Accountancy or Master of Tax Accounting programs. Students should apply for admission to one of the graduate programs during the first semester of their senior year. **The Professional Accounting concentration is required for students entering the master's programs in accounting.** Each state has their own education criteria for CPA examination eligibility and CPA licensing. Students are encouraged to review other states' board of accountancy websites to determine their specific requirements.

Accounting majors must earn **grades of C- or better in all upper division accounting courses.**

It is strongly recommended that AC 310 Fin Rptg & Anlys of Bus Actv I be taken prior to enrolling in AC 361 Cost Analysis Planning/Control.

AC 351 Managerial Acctng Decisions and AC 352 Corporate Financial Reporting cannot be applied toward the Accounting major.

Code and Title	Hours
<b>Requirements</b>	
AC 310 Fin Rptg & Anlys of Bus Actv I	3
AC 311 Fin Rptg & Anlys Bus Actvts II	3
AC 361 Cost Analysis Planning/Control	3
AC 371 Introduction To Taxation	3
AC 389 Accounting Information Systems	3
AC 432 Intro to Corporate Governance	3
<b>Total Hours</b>	<b>18</b>

### Third-year Requirement for Accounting Majors

**No 300- or 400-level accounting courses may be transferred from another institution and applied to the degree requirements for accounting majors.** These upper-level courses have unique components, and equivalent courses do not exist at other universities. A condition of enrollment in all undergraduate accounting courses other than AC 351 Managerial Acctng Decisions and AC 352 Corporate Financial Reporting is admission to the Culverhouse School of Accountancy or permission of the director.

### Concentration Concentration

The Professional Accounting concentration is designed for students who want to increase their breadth of knowledge in accounting, plan to pursue a master's degree in accounting (MAcc or MTA), and intend to sit for the CPA exam. A 2.000 concentration GPA is required. The Professional Accounting concentration is restricted to Accounting majors only.

Accounting majors must earn **grades of C- or higher in all upper division accounting courses** (including AC 456 and AC 471).

Professional Accounting Concentration	Hours
This specialization is designed for students who plan to pursue a master's degree in accounting (MAcc or MTA) and/or sit for the CPA exam. 2.0 GPA is required.	
Required courses:	
AC 456 Government & Nonprofit Accounting	3
AC 471 Taxation of Business Transactions & Organizations	3
Select one of the following:	3
AC 492 Accounting Internship	
FI 301 Intro Financial Inst. & Mkts	
FI 435 Fund. of Risk Mgt. & Ins.	
FI 410 Intermediate Financial Mgt	
FI 414 Investments	
IBA 350 Introduction to World Business	
<b>Total Hours</b>	<b>9</b>

Accounting professionals can be found in public accounting firms, banks and financial institutions, corporations, public utilities, hospitals, the

media, law firms, government, manufacturing companies, and nonprofit institutions.

## Types of Jobs Accepted

Employment opportunities for our graduates range from large international to small accounting firms, public and private business enterprises, government agencies such as the Internal Revenue Service or the FBI, and nonprofit organizations in positions such as staff accountant, financial analyst, or financial consultant.

## Jobs of Experienced Alumni

Accounting manager, auditor, bank examiner, benefits administrator, budget accountant, certified public accountant, chief financial officer, claims adjuster, computer systems analyst, consumer credit officer, controller, director of finance, FBI or CIA agent, financial analyst, IRS investigator, loan administrator, partner/stockholder, tax specialist

Learn more about opportunities in this field at the Career Center

## Accounting, Minor

Certain business skills are both universal and in high demand. A fluency in accounting empowers students with the knowledge to understand the way an organization works as well as how it maintains its ability to operate and grow. Accounting skills are necessary for any business owner or professional.

The Accounting minor for non-majors offers students a way to learn accounting without the expectation of a career centered on it. This minor is recommended for students who anticipate a need to manage the financial health of an organization, whether from a CEO's perspective or from various levels in business. Accountants work all across the world, but Culverhouse accountants are in high demand.

This minor is not available to students who are pursuing a major in Accounting.

**A grade of C- or higher is required in all Accounting minor courses.**

Accounting minor		Hours
Required:		
EC 110	Principles of Microeconomics	3
AC 210	Intro To Accounting	4
AC 310	Fin Rptg & Anyls of Bus Actv I	3
AC 311	Fin Rptg & Anyls Bus Actvts II	3
Choose one course from the following list:		3
AC 361	Cost Analysis Planning/Control	
AC 371	Introduction To Taxation	
AC 389	Accounting Information Systems	
<b>Total Hours</b>		<b>16</b>

## Department of Economics, Finance, and Legal Studies

Professor Laura Razzolini, Department Head  
Office: 200 Alston Hall

The Department of Economics, Finance and Legal Studies, with its rigorous curriculum, offers high quality undergraduate and graduate programs in economics and finance, designed to provide a strong foundation for a career in public policy, applied economics, international economics, risk management, corporate

finance, investing, financial planning, actuarial science and real estate.

Additionally, students will be prepared for further studies in graduate or law school, as well as for obtaining a license or certification in their industry of choice.

- Majors
  - Economics, BS (p. 570)
    - **Econometrics & Quantitative Economics Concentration**
    - **Economics Policy Concentration**
  - Finance, BS (p. 572)
    - **Banking and Financial Services Concentration**
    - **Financial Engineering Concentration**
    - **Value Investing Concentration**
- Minors
  - Actuarial Science (p. 570)
  - Economics (p. 571)
  - Finance (p. 573)
  - Personal Wealth Management (p. 573)
  - Real Estate (p. 573)
  - Risk Management, Insurance, and Financial Services (p. 574)
  - 
  -

### Chair and Professor

- Laura Razzolini

### John Mary Louise Loftis Bickley Endowed Teaching Chair of Insurance Financial Services

- Karen Epermanis

### Professors

- Anup Argawal
- Robert Brooks
- Douglas Cook
- Cary Deck
- Daniel Henderson
- Byung-Cheol Kim
- Junsoo Lee
- Robert Mcleod
- Tigran Melkonyan
- Sandra Mortal
- Paul Pecorino
- Michael Price
- Robert Reed
- George Zanjani

### Associate Professor

- Peter Brummund
- Gregory Givens
- Robert Hammond
- Paan Jindapon
- Shawn Mobbs
- Joshua Pierce
- Sugata Ray



- Amanda Ross
- Alan Tidwell

#### Assistant Professor

- Alecia Cassidy
- Travis Cassidy
- Soroush Ghazi
- Lixiong Guo
- Erik Johnson
- Lei Kong
- Rachel Li
- Xiaochun Liu
- Mark Schneider
- Parth Venkat
- Jun Zhao

#### Instructors

- Charlye Adams
- Glenn Baigent
- Ruth Ann Hall
- John Heins
- Victoria Javine
- Will Walsh
- Chris Whaley
- Kenny Wunder
- Tao-Chen Yeh
- Kent Zirlott

#### Departmental Advisor

- Dixie Hamner

#### EC110 Principles of Microeconomics

SB

Hours 3

Introduction to microeconomic analysis concentrating on consumer and producer behavior, competitive and imperfect markets, public policy and regulation, and income distribution.

Prerequisite(s): MATH 100 or MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; or UA Math Placement of 310 or higher, ACT Math subscore of 24 or higher, (New) SAT Math subscore of 580 or higher, (Old) SAT Math subscore of 560 or higher.

Social and Behavioral Sciences

#### F1301 Introduction to Financial Institutions and Markets

Hours 3

Overview of the financial systems in which business operates, with emphasis on financial institutions, instruments, and markets.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and (EC 110 or EC 112) and (EC 111 or EC 113) and (AC 210 or AC 211) and (LGS 200 or LGS 201) and ST 260

#### LGS200 Legal Environment of Business

Hours 3

Environmental approach to the study of law, including the way the law interrelates, philosophy of law, and sources of law. The relationship among law, business, political influences, and the society is treated. Students are limited to three attempts for this course, excluding withdrawals.

View All Courses

#### Faculty

##### Chair and Professor

Laura Razzolini

##### John & Mary Louise Loftis Bickley Endowed Teaching Chair of Insurance & Financial Services

Karen Epermanis

##### Professors

Anup Argawal

Robert Brooks

Douglas Cook

Cary Deck

Daniel Henderson

Byung-Cheol Kim

Junsoo Lee

Robert Mcleod

Tigran Melkonyan

Sandra Mortal

Paul Pecorino

Michael Price

Robert Reed

George Zanjani

##### Associate Professor

Peter Brummund

Gregory Givens

Robert Hammond

Paan Jindapon

Shawn Mobbs

Joshua Pierce

Sugata Ray

Amanda Ross

Alan Tidwell

##### Assistant Professor

Alecia Cassidy

Travis Cassidy

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 Chris Whaley  
 Kenny Wunder  
 Tao-Chen Yeh  
 Kent Zirlott

**Departmental Advisor**

Dixie Hamner

## Actuarial Science, Minor

Actuarial Science is perennially ranked among the top ten career choices, and is an excellent option for students with future-oriented minds and a strong aptitude for mathematics and statistics. As an actuary, you will join an elite group that estimates the probability of future events, develops ideas for coping with unexpected losses, and helps shape the way society deals with risk. The Actuarial Science minor offers a wide variety of career paths consistent with many attractive lifestyles. Students who minor in this subject receive a solid foundation for passing professional examinations that are required to become an actuary.

<b>Actuarial Science minor</b>		<b>Hours</b>
Required:		
FI 435	Fund. of Risk Mgt. & Ins.	3
FI 427	Probability for Actuaries	3
FI 428	Financial Math for Actuaries	3
Choose 2 courses from the following list:		6
EC 413	Econ Forecasting & Analysis	
FI 302	Business Finance	
FI 410	Intermediate Financial Mgt	
FI 415	Advanced Investment Topics	
FI 419	Financial Derivatives	
FI 440	Life Contingencies I	
FI 441	Life Contingencies II	
FI 443	Property Liability Insurance	
FI 444	Life & Health Insurance	
FI 450	Loss Models I	
FI 451	Loss Models II	
FI 472	Financial Econometrics	
ST 440	Stat Prog & Comp with R	

ST 452 Applied Regression Analysis

**Total Hours**

**15**

## Economics, BS

Students interested in studying economics should be able to think analytically, be creative in solving problems, and have a strong interest in overall business strategy and/or economic and public policy. Economics is also a good major for pre-law students, as well as students desiring to pursue a Master of Business Administration, a Master of Public Administration, or an advanced degree in economics, public policy, finance, or other areas of business.

The University's economics program offers an extensive array of courses to develop the student's analytical abilities and prepare graduates for rewarding careers in business, industry and government. Economics also provides a sound foundation for postgraduate study in a variety of fields. The department offers a major in economics through both the Culverhouse College of Business and the College of Arts and Sciences. Students majoring in other fields in Culverhouse may select economics as a non-business minor. Students majoring or minoring in economics are urged to consult an undergraduate advisor for recommendation of 400-level economics courses and general electives consistent with their career goals and objectives.

Economics majors must complete the core Computer Language requirement by taking FI 389 Financial Analysis & Modeling. Economics majors are required to select a concentration, a second major, or an approved (business or non-business) minor.

<b>Code and Title</b>	<b>Hours</b>
<b>Major Courses</b>	
EC 308 Intermediate Microeconomics (minimum grade of C-)	3
EC 309 Intermediate Macroeconomics (minimum grade of C-)	3
FI 301 Intro Financial Inst. & Mkts	3
Additional EC Courses <sup>1</sup>	9
Credit Hours Subtotal:	
	18
<b>Concentration</b>	
Concentration, Second Major or Approved Minor	9-18
<b>Total Hours</b>	<b>27-36</b>

**Footnotes**

<sup>1</sup> EC 400 Analysis Econ Cond Micro/Macro and EC 492 Internship cannot be counted toward the major; EC 470/EC 470 Intro Mathematical Economics is strongly recommended for those considering graduate work on economics or business.

## Concentrations

Econometrics connects many academic disciplines such as mathematics, statistics, economics, finance, and business studies, and is primarily concerned with the science and art of using economics theory and statistical techniques to analyze economic data. The Econometrics and Quantitative Economics concentration provides students with quantitative economics reasoning and prepares them for analytical positions in industry and government, as well as to enter a graduate program of studies. Students will learn how to use econometrics methods to understand consumer behavior, markets, and industries. In addition, students will learn how to use game theory and experimental methods commonly used in psychology to understand

individual and interactive decision making. The Econometrics and Quantitative Economics concentration is restricted to Economics majors only.

<b>Econometrics and Quantitative Economics Concentration</b>		<b>Hours</b>
Required:		
EC 471	Econometrics	3
Choose 2 courses from the following list:		6
EC 413	Econ Forecasting & Analysis	
EC 470	Intro Mathematical Economics	
EC 472	Financial Econometrics	
EC 473	Games and Decisions	
EC 474	Experimental Economics	

**Total Hours** 9

The Economic Policy concentration provides students with a broad set of competencies and a broad range of applications of economics theory, with a focus on evaluating economic policies and measuring the success or failure of government programs. Students can choose courses that will help explore various areas including law, trade, competition, monetary, environment, healthcare, labor, and development. Students will be prepared for careers in industry and government, as well as graduate studies in law, business, and public policy. The Economic Policy concentration is restricted to Economics majors only.

<b>Economic Policy Concentration</b>		<b>Hours</b>
Required:		
Choose 3 courses from the following list:		9
EC 410	Law And Economics	
EC 412	Industrial Organization	
EC 416	Monetary Theory & Policy	
EC 422	Urban Economics	
EC 423	Public Finance	
EC 430	International Trade	
EC 431	International Finance	
EC 432	Development Economics	
EC 460	Labor Economics	
EC 480	Econ of Environment	
EC 483	Health Care Economics	

**Total Hours** 9

## Finance/Economics Double Major

The double major in finance and economics is for students looking to combine the two fields. The double major includes a Finance elective and an additional Economics elective, because of the extensive overlap between the Finance and Economics majors. Students completing this curriculum earn two majors, not two degrees, since both are part of Culverhouse College of Business.

Please click [here](#) (p. 572) and scroll down to the bottom of the page for the list of courses required for the double major.

The opportunities for students who complete a bachelor's degree in economics range from positions in banking and financial services to real estate, insurance, enterprise risk management, consulting, and the public sector. The economics major also provides excellent preparation for admission to law school, MBA programs, schools of public policy, and doctoral programs in economics, finance, or other areas of business.

## Types of Jobs Accepted

Consulting firms, litigation consultant, stock broker, financial advisor, data miner, Teach for America, economist for public utilities commission

## Jobs of Experienced Alumni

Our experienced alumni hold positions such as attorney, professor of economics, credit risk manager, data miner, public policy analyst, and various management positions

Learn more about opportunities in this field at the Career Center

## Economics, Minor

The Economics minor is intended for students who have a strong interest in rigorous economics and want to acquire problem-solving skills and develop a logical way of analyzing various social problems. The minor is especially valuable for students in business administration preparing for an MBA, or in engineering and the natural and physical sciences, as well as students considering graduate work in law and public policy. The minor is also attractive to students who wish to broaden their education and to better understand the forces that shape the modern world. The Economics minor includes coursework in microeconomics, macroeconomics, economic policy, and econometrics. The Department of Economics, Finance and Legal Studies offer a broad range of economic courses with a flexible minor requirement so the students can choose to take courses that match their academic ability, interests, and career goals.

This minor is not available to students who are pursuing majors in Economics or Finance.

<b>Economics minor</b>		<b>Hours</b>
Choose 5 courses from the following list:		15
EC 308	Intermediate Microeconomics	
EC 309	Intermediate Macroeconomics	
EC 400	Analysis Econ Cond Micro/Macro	
EC 410	Law And Economics	
EC 412	Industrial Organization	
EC 413	Econ Forecasting & Analysis	
EC 416	Monetary Theory & Policy	
EC 422	Urban Economics	
EC 423	Public Finance	
EC 430	International Trade	
EC 431	International Finance	
EC 432	Development Economics	
EC 460	Labor Economics	
EC 470	Intro Mathematical Economics	
EC 471	Econometrics	
EC 472	Financial Econometrics	
EC 473	Games and Decisions	
EC 474	Experimental Economics	
EC 480	Econ of Environment	
EC 483	Health Care Economics	
EC 497	Special Topics in Economics	

**Total Hours** 15

## Finance, BS

The major in Finance offers students the necessary skills to work in all areas of finance, in both the private, corporate and public sectors. Careers include those in asset management; commercial and investment banking; corporate financial management; venture capital; mergers and acquisition; risk management and insurance; actuarial science; and real estate. In addition, concentrating in finance equips students well for careers in law and government.

Finance majors must complete the core computer language requirement by taking FI 389 Financial Analysis & Modeling. Finance majors are required to select a concentration, a second major or an approved (business or non-business minor).

Code and Title	Hours
<b>Major Courses</b>	
EC 308 Intermediate Microeconomics	3
EC 309 Intermediate Macroeconomics	3
FI 301 Intro Financial Inst. & Mkts	3
FI 410 Intermediate Financial Mgt	3
FI 412 Money & Capital Markets	3
FI 414 Investments	3
Credit Hours Subtotal:	18
Concentration, Second Major or Approved Minor	9-18
<b>Total Hours</b>	<b>27-36</b>

## Concentrations

The Banking and Financial Services concentration provides undergraduate students the background of the institutional and regulatory environment, and management issues facing financial institutions. Students will learn the basic theories of financial intermediation and will be able to distinguish the various services financial institutions provide. Students will also learn how to identify and analyze the different types of risks faced by financial institutions (focusing on interest rate risk, market risk, liquidity, and credit risk). Theories and techniques available for measuring and managing these risks will be studied. The sequence of courses aims to develop a knowledge of the banking and financial services such to prepare the students for entry-level positions within the financial services sector. The Banking and Financial Services concentration is restricted to Finance majors only.

Banking & Financial Services Concentration	Hours
AC 352 Corporate Financial Reporting	3
FI 435 Fund. of Risk Mgt. & Ins.	3
FI 421 Bank Administration	3
<b>Total Hours</b>	<b>9</b>

The Financial Engineering concentration equips students with the knowledge, skills and abilities necessary to measure and manage various market risks, including foreign exchange, interest rate, equity price, commodity price, as well as many others. Students in this concentration will learn state-of-the-art quantitative techniques for efficiently and effectively managing market risks. With these capabilities, students will be able to contribute to optimal management of a host of entities, including global corporations, municipalities, pension

funds, endowments, among the others. The Financial Engineering concentration is restricted to Finance majors only.

Financial Engineering Concentration	Hours
Required:	
MATH 125 Calculus I	4
FI 419 Financial Derivatives	3
Choose 1 course from the following list:	3
AC 352 Corporate Financial Reporting	
AC 444 Financial Analysis - Investing	
Choose 2 courses from the following list:	6
EC 413 Econ Forecasting & Analysis	
FI 415 Advanced Investment Topics	
FI 472 Financial Econometrics	
ST 454 Statistical Inference I	
ST 455 Statistical Inference II	
<b>Total Hours</b>	<b>16</b>

The Value Investing concentration provides students with a strong foundation for examining the critical aspects of investing decisions, including generating good ideas, conducting fundamental business and industry research, analyzing financial statements, and credibly estimating what businesses and companies are worth. The focus is on practical applications. Students will be prepared for a broad range of business careers, including investment management, investment banking, private equity, management consulting, corporate business development, corporate finance and entrepreneurship. The Value Investing concentration is restricted to Finance majors only.

Value Investing Concentration	Hours
AC 444 Financial Analysis - Investing	3
FI 417 Value Investing Principles	3
FI 418 Advanced Value Investing	3
<b>Total Hours</b>	<b>9</b>

## Finance/Economics Double Major

The double major in finance and economics is for students looking to combine the two fields. The double major includes a Finance elective and an additional Economics elective, because of the extensive overlap between the Finance and Economics majors. Students completing this curriculum earn two majors, not two degrees, since both are part of Culverhouse College of Business.

Code and Title	Hours
Major Courses:	
EC 308 or EC 310 Intermediate Microeconomics	3
EC 309 or EC 311 Intermediate Macroeconomics	3
FI 301 Introduction to Financial Institutions and Markets	3
FI 410 Intermediate Financial Mgt	3
FI 412 Money & Capital Markets	3
FI 414 Investments	3
Approved Finance Elective	3
Four 300/400 level Economics Electives	12
Credit Hours Subtotal:	33

Ancillary Requirement:

FI 389	Financial Analysis and Modeling	3
<b>Total Hours</b>		<b>36</b>

The opportunities for students who complete a bachelor's degree in finance include positions in banking and financial services, corporate finance, investment management, real estate, insurance enterprise risk management, consulting, and the public sector.

## Types of Jobs Accepted

Recent graduates take entry-level jobs as actuary; financial analyst; loan officer; investment advisor; personal financial planner; insurance company agent in operations, underwriting, claims and brokerage; and real estate developer.

## Jobs of Experienced Alumni

Our alumni hold positions in areas such as asset management, investment banking and management, corporate finance, financial services, sales and trading, real estate portfolio management, and bank examination.

Learn more about opportunities in this field at the Career Center

## Finance, Minor

The Finance minor is intended for students who have an interest in developing a strong foundation in financial decision-making by offering courses designed to develop the student's analytical skills and financial problem solving abilities. Such skills can broaden a student's career opportunities, as most business decisions are financially based. These same skills are also important when making personal investment decisions, regardless of career. The minor is especially valuable for students preparing for an MBA, or in engineering and the natural and physical sciences, as well as students considering graduate work in business. A Finance minor helps prepare students to apply their major degree to fields such as banking, financial services, corporate finance, investment management, real estate, insurance enterprise risk management and consulting.

This minor is not available to students pursuing majors in Economics or Finance.

<b>Finance minor</b>	<b>Hours</b>
Required:	
FI 301 Intro Financial Inst. & Mkts	3
FI 410 Intermediate Financial Mgt	3
FI 412 Money & Capital Markets	3
FI 414 Investments	3
Choose 1 course from the following list:	3
FI 415 Advanced Investment Topics	
FI 417 Value Investing Principles	
FI 419 Financial Derivatives	
FI 421 Bank Administration	
FI 431 International Finance	
<b>Total Hours</b>	<b>15</b>

## Personal Wealth Management, Minor

The Personal Wealth Management minor qualifies students to sit for the Certified Financial Planner™ exam. The course selection extensively covers all aspects of personal finance including investments, estate planning, taxation, risk management and insurance, employee

benefits, and retirement planning. Graduates with the Personal Wealth Management minor often land careers working in or with securities firms, bank trust departments, mutual funds, insurance companies, investment advisory firms, financial planning firms and pension and accounting firms. Students with this minor will gain extensive knowledge of all areas of personal finance and wealth management.

Note: Students will need to complete FI 414 Investments to sit for the Certified Financial Planner™ exam.

<b>Personal Wealth Management minor</b>		<b>Hours</b>
Required:		
AC 371	Introduction To Taxation	3
FI 435	Fund. of Risk Mgt. & Ins.	3
FI 360	Personal Asset Management	3
FI 444	Life & Health Insurance	3
FI 460	Advanced Financial Planning	3
LGS 403	Estates & Trusts	3
<b>Total Hours</b>		<b>18</b>

## Real Estate, Minor

The Real Estate minor continues The University of Alabama's real estate legacy that began over 80 years ago. Designed to provide students with a background in real estate fundamentals and decision making, the Real Estate minor combines many different academic disciplines including: economics, finance, sales, management, and law. Students have a unique opportunity to be eligible to take the Alabama Real Estate Salesperson License exam after completing two real estate courses, and a Real Estate Minor qualifies graduates for the Institute of Real Estate Management's Certified Property Manager (CPM) fast track program. Another benefit to students is the Alabama Center for Real Estate's (ACRE) Collegiate Career Assistance Program (CCAP). Housed within the Culverhouse College of Business, CCAP provides student support and resources for professional development and real estate internship/employment opportunities.

<b>Real Estate minor</b>		<b>Hours</b>
Required:		
FI 331	Principles of Real Estate	3
FI 436	Real Estate Finance and Invest	3
Choose 3 courses from the following list:		9
CE 463	Construction Cost Estimating	
EC 422	Urban Economics	
FI 389	Financial Analysis & Modeling	
FI 432	Real Estate Appraisal	
FI 434	Real Estate Management	
LGS 407	Real & Personal Property	
MGT 386	Foundations of Entrepreneurshp	
MGT 423	Effective Negotiations	
MKT 337	Personal Selling	
or		
MKT 438 Sales Management		
<b>Total Hours</b>		<b>15</b>

## Risk Management, Insurance, and Financial Services, Minor

Risk complicates business and life. Every day companies and individuals confront catastrophic risks emanating from natural disasters, lawsuits, fire, and many other sources. Students in the Risk Management, Insurance, and Financial Services minor learn to identify and manage risks. They are trained for careers in the insurance and financial services industries, as professional risk managers, and as knowledgeable consumers as they navigate the risks in their own lives. Culverhouse has been designated a Global Center of Insurance Excellence, ranking among the top schools in the world for students seeking a risk management career.

Risk Management, Insurance, and Financial Services minor		Hours
Required:		
FI 435	Fund. of Risk Mgt. & Ins.	3
Choose at least 2 courses from the following list:		6
FI 360	Personal Asset Management	
FI 427	Probability for Actuaries	
FI 428	Financial Math for Actuaries	
FI 442	Business Risk Management	
FI 443	Property Liability Insurance	
FI 444	Life & Health Insurance	
LGS 403	Estates & Trusts	
Choose additional courses from the following list (to reach the required 15 hours)*:		6
AC 334	Intro to Fraud Risk Management	
FI 414	Investments	
FI 436	Real Estate Finance and Invest	
MGT 423	Effective Negotiations	
MKT 337	Personal Selling	
*You can choose to take up to 4 courses from the first list, if desired.		
<b>Total Hours</b>		<b>15</b>

## Department of Information Systems, Statistics and Management Science

Professor John Mittenthal, Department Head  
Office: 300 Alston Hall

The department of information systems, statistics and management science provides students with opportunities to learn about the design and development of information systems, the application of statistical analysis to support business decision making and the design and analysis of business operations and processes. The department has three functional areas: management information systems, operations management and statistics.

The management information systems (MIS) faculty offer an introductory course in MIS, as well as courses for students majoring in MIS. The MIS program partners with a range of businesses and organizations to prepare students to leverage information technology to solve business problems.

The operations management faculty offer introductory courses in operations as well as courses for students majoring in operations management and those students specializing in supply chain

management. The OM program has strong relationships with manufacturers, distributors, retailers, transportation carriers and logistics service providers.

The statistics faculty offer introductory statistics courses for undergraduate students. The statistics program supports the business analytics initiative for the College and has strong partnerships with leading providers of business analytics software.

- Majors
  - Management Information Systems, BS (p. 575)
  - Operations Management, BS (p. 576)
- Minor
  - Business Cyber Security (p. 575)
  - Statistics (p. 577)
  - Supply Chain Management (p. 577)

### MIS200 Fundamentals of Management Information Systems

Hours 3

Business process coordination and decision making through the use of information technology will be explored, emphasizing IT use by organizations in increasingly global markets. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s) with concurrency: MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146

### OM300 Intro Operations Management

C

Hours 3

This course is an introduction to the field of operations management and addresses the design and management of the activities and resources that a firm uses to produce and deliver its products or services. Topics include operations strategy, product and process design, total quality management, statistical quality control, supply chain management, location analysis, forecasting, inventory management, operations planning, and lean/JIT business processes. Computing proficiency is required for a passing grade in this course. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): ST 260

Computer Science

### ST260 Statistical Data Analysis

C

Hours 3

Introduction to the use of basic statistical concepts in business applications. Topics include extensive graphing; descriptive statistics; measures of central tendency and variation; regression, including transformations for curvature; sampling techniques; designs; conditional probability; random variables; probability distributions; sampling distributions; confidence intervals; and statistical inference. Computer software applications are utilized extensively. Emphasis throughout the course is on interpretation. Computing proficiency is required for a passing grade in this course. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146

Prerequisite(s) with concurrency: MIS 200

Computer Science

[View All Courses](#)

## Faculty

### Chair and Professor

John Mittenthal

### Professors

Douglas Bish

Ebru Bish

Subha Chakraborti

James Cochran

Jose Dula

David Hale

Joanne Hale

Allen Johnston

Burcu Keskin

Emmett Lodree

Volodymyr Melnykov

Sharif Melouk

John Mittenthal

Marcus Perry

### Associate professors

Bruce Barrett

Nick Freeman

Qin Wang

Mesut Yavuz

### Assistant professors

Inaiya Armeen

Gregory Bott

Yuanyuan Chen

Iman Dayarian

Matthew Hudnall

Youngsoo Kim

Danhyang Lee

Yana Melnykov

Jason Parton

Danish Saiffee

Irem Sengul Orgut

Pratyush Sharma

Gary Spurrier

Annie Tian

Xuwen Zhu

### Instructors

Brad Casselman

Nathan Chilcutt

Greg Cottrell

Jamie Hillman

Jeff Lucas

Jennifer McMillan

Jennifer Nunnelley

## Business Cyber Security, Minor

The Business Cyber Security minor provides students with a general introduction to the principles and practices of cyber security in business and organizational settings. Through this minor, students will gain the skills necessary to participate in the full spectrum of security program planning, including security policy development and planning for incident response, business continuity, disaster recovery, and crisis management. The minor will also provide students with the skills required for the more applied practices of networks security, application security, threat detection analysis, prevention, and remediation. Given the need for good cyber hygiene as part of a workforce, the business security minor is an excellent counterpart to any undergraduate program at the University of Alabama.

Business Cyber Security Minor		Hours
MIS 200	Fundamentals of MIS	3
MGT 300	Org Theory & Behavior	3
Credit Hours Subtotal:		6
<b>Choose three courses:</b>		<b>9</b>
MIS 460	Applied Cyber Security	
MIS 462	Behavioral Cyber Security	
MIS 464	Org. Security Management	
MIS 466	Intro Cybercrime & Digital For	
AC 334	Intro to Fraud Risk Management	
MKT 489	Managing Customer Data	
MGT 488	Cyber Security Strategy	
<b>Total Hours</b>		<b>15</b>

A grade of C- or higher is required in all Cyber Security Management minor courses.

## Management Information Systems, BS

Students should be interested in how to apply technology to improve business and quality of life for individuals. MIS is where business meets technology. Students should be interested in jump-starting their careers to become business analysts, consultants, innovators, and entrepreneurs. Students interested in MIS are typically good problem solvers, can multi-task, like a challenge, like working on new projects, can handle ambiguity, like to work in teams, are not discouraged easily, can see both the big picture and work on the detail, and will work hard for high payoff. Students should consider specializations available in the business school to supplement the core business and MIS curriculum, including areas such as: management communications, professional sales, international business, supply-chain management, and accounting. Some students minor in computer science or a foreign language.

Academic Advisor: Heather Davis

The MIS program focuses on the innovation of business-oriented information technology to open new markets and improve business operations by leveraging information systems. Students learn to combine knowledge of core business and technology to excel in future careers

such as business analyst, consultant or app designer. Graduates choose from opportunities in consulting, corporate, government, not-for-profit, and start-up organizations.

The program culminates with a two-semester, industry-sponsored practicum project beginning with situational analysis, then proceeding through cause and effect analysis—determining the features needed to solve the problem—and then designing, building, testing, and delivering the business solution. This emphasis on experiential learning through application of classroom concepts results in graduates who are highly sought after by firms across the nation.

Continual client feedback and faculty guidance ensure project success and educational growth. Students in MIS are encouraged to broaden their business and international knowledge through a specialization in marketing, accounting, finance, operations management, or international studies/foreign language. The MIS program and corporations sponsor more than 90 scholarships solely for MIS majors. Prospective students are encouraged to find out more about the MIS program by visiting [culverhouse.ua.edu/mis](http://culverhouse.ua.edu/mis) or calling the program office at 205-348-6085 to set up a visit with a student ambassador or faculty member.

Code and Title	Hours
<b>Major Program Requirements</b>	
MIS 221 is a prerequisite for all major courses.	
MIS 321 Business Programming II	3
MIS 330 Database Administration	3
MIS 405 Enterprise Network & Security	3
MIS 430 Systems Analysis & Design I	3
MIS 431 Systems Analysis & Design II	3
MIS 451 Systems Constructn Implemntn II	3
<b>Total Hours</b>	<b>18</b>

## Admission and Retention Policies

Students are eligible for admission to the MIS program if they:

- meet the admission criteria to the upper division of the Culverhouse College of Business
- have completed at least 61 semester hours of college credit with a cumulative GPA of 2.5 or higher for all coursework attempted or a GPA of at least 3.0 for the last 30 hours attempted
- have completed MIS 221 Business Programming I with grade of C- or higher

MIS majors must complete all required MIS courses with a grade of C- or higher. If an MIS major attempts a major program course and earns below the required C-, the attempt will not count toward their degree. A student who enrolls in any of the required MIS courses twice and fails to earn a passing grade will not be permitted to take additional MIS courses or to receive a degree with MIS as the major from The University of Alabama. Enrollment is defined as registration for a course that results in the recording of hours attempted on the student's record. A grade of W is counted as an enrollment. Priority for enrollment in upper-division MIS courses is given to students who are not repeating the courses.

MIS majors are among the most sought-after graduates, with virtually 100% placement. Graduates go to leading consulting firms, corporations and startups.

## Types of Jobs Accepted

Graduates have accepted positions with leading national consulting firms and at Headquarters for Alfa, AT&T, Equifax, IBM, Home Depot, HP, Lowe's,

P&G, Southern Co., and Walmart. Positions include business analyst, startup entrepreneur, consultant, programmer analyst, project manager and risk analyst.

## Jobs of Experienced Alumni

Experienced MIS professionals continue to rise in their organizations to positions that include president/CEO, chief information officer, global partner, executive vice-president, chief analyst, chief technology officer, partner, senior executive, director, program manager, solutions architect and team manager.

Learn more about opportunities in this field at the Career Center

## Operations Management, BS

Areas of interest for operations management students include process analysis and improvement, quality control, production planning, inventory management, manufacturing, scheduling, supply chain management, logistics, transportation, and procurement. Operations management focuses on the effective management of the resources and activities that produce and deliver the goods and services of any business. OM professionals manage the people, materials, equipment and information resources that a business needs in order to produce and deliver its goods and services. They also design and manage the business processes and activities that actually produce those goods and services.

Academic Advisor: Heather Davis

Business operations are a critical element of every business, so there are a wide range of opportunities for OM professionals. Manufacturing management has been—and continues to be—a significant area of opportunity. The tremendous growth of the automotive industry in the state of Alabama has produced great job opportunities for OM professionals with major automobile manufacturers and their suppliers. OM professionals can also pursue careers in the distribution and warehousing of products, as well as transportation and logistics operations. The entire field of supply chain management relies heavily on the effective management and coordination of business operations, from manufacturing to transportation and distribution. Whether products sold in the U.S. are manufactured overseas or in the U.S., some part of the supply chain is operated and managed in the U.S.

The growth of service industries in the state (banking, for example) also provides opportunities for OM professionals to manage business operations in service-oriented companies. OM professionals hold a wide range of job titles, such as materials manager, production planner, scheduler, inventory manager, transportation/logistics manager, purchasing/procurement manager, supply chain manager and quality manager. All of these positions employ OM techniques and concepts to effectively manage the resources and processes of their business operations. Because OM professionals are familiar with the resources and operations that are critical to success, they are often well-positioned for promotion to upper levels of business management. OM majors must take OM 305 Information Technology for Operations Management to complete their core computer language requirement.

Code and Title	Hours
<b>Major Courses</b>	
OM 310 Intro to Management Science	3
OM 321 Prod Planning & Contrl	3
OM 375 Statistical Quality Control	3
OM 420 or OM 421 Computer Simulation Bus Analytics for Operations	3



OM 422	Production Scheduling Problems	3
OM 423	Inventory Management	3
Credit Hours Subtotal:		18
<b>Required Second Major or Minor</b>		
Second Major or Approved Minor		15-18
<b>Total Hours</b>		<b>33-36</b>

## Admission and Retention Policies

Each prospective OM student must submit an application demonstrating that all criteria for admission have been met. Students are eligible for admission to the program if they meet the criteria for admission to the upper division of the College of Business. A student whose grade point average falls below these standards may petition for admission to the upper division and declare Operations Management if the student's grade point average for the last 30 hours attempted at this institution is 2.5 or higher.

Operations Management majors must complete all required OM courses with a grade of C- or higher. If an Operations Management major attempts a major program course and earns below the required C-, the attempt will not count toward their degree. A student who enrolls in any of these courses twice and fails to make a grade of C- or higher will not be permitted to take additional OM courses without special permission. Enrollment is defined as registration for a course resulting in the recording of hours attempted on the student's record. Priority for enrollment in upper-division OM courses is given to students who are not repeating the courses.

**Only declared Operations Management majors can take OM 420, OM 421, OM 422, and OM 423.**

Operations Management majors must complete the core Computer Language requirement by taking OM 305 Information Technology for OM. Operations Management majors must also complete a second major or an approved (business or non-business) minor.

Our graduates have accepted positions with Frito-Lay, Nucor Steel, US Steel, Scot Industries, Trademark Metals, BMW, Mercedes, 3M, PepsiCo, Honda, Hyundai, Johnson Controls, Halliburton, Schlumberger, Target Distribution, Walmart Distribution, JCPenney, AMCOM, and many more.

## Types of Jobs Accepted

Operations Manager, Materials Manager, Production Planner, Logistics Manager, Quality Manager, Plant Manager, Supply Chain Manager, Inventory Manager, Purchasing Manager, Production Manager, Continuous Improvement Specialist, Project Management Specialist

Jobs of Experienced Alumni

Chief Operations Officer (COO), Vice President of Operations, Vice President of Supply Chain, Plant Manager, Logistics Director

Learn more about opportunities in this field at the Career Center

## Statistics, Minor

The Statistics minor equips students with a general introduction to statistical theory followed by further training in statistical methods and computational statistics. Through this minor, students will gain the skills necessary to participate in statistical analysis and data science in business, engineering, or scientific fields and greatly enhance their preparedness for graduate school in disciplines involving quantitative analysis. The Statistics minor is an excellent counterpart to any undergraduate program at The University of Alabama.

<b>Statistics minor</b>		<b>Hours</b>
Required:		
ST 260	Statistical Data Analysis	3
ST 452	Applied Regression Analysis	3
ST 454	Statistical Inference I	3
ST 455	Statistical Inference II	3
Choose 1 course from the following list:		3
ST 440	Stat Prog & Comp with R	
ST 445	Intro Stat Learn & Data Mining	
ST 521	Statistical Data Management	
ST 531	Data Mining I	
ST 540	Stat Prog & Comp with R	
ST 545	Intro Stat Learn & Data Mining	
ST 553	Appld Multivariate Analy	
ST 561	Applied Design Expermnts	
ST 597	Special Topics	
<b>Total Hours</b>		<b>15</b>

## Supply Chain Management, Minor

Supply Chain Management is the coordination of the associated processes required both within a business, as well as across businesses and suppliers, to deliver products and services—from raw materials to customer delivery. The ability to understand, map, design, and re-design supply chain processes, flows, and physical space across the business domain is critical. Supply chain management is an integral part of most businesses and is essential to company success and customer satisfaction. Specifically, companies with more efficient supply chains have improved their customer service, reduced their operating costs, and enhanced their financial position. The minor provides a background in areas commonly needed to support supply chain management, including business information systems, logistics management, transportation service and distribution, purchasing, negotiations, contracts, and global supply chain issues.

<b>Supply Chain Management minor</b>		<b>Hours</b>
Required:		
OM 300	Intro Operations Management	3
OM 305	Information Technology for OM	3
OM 417	Logistics Management	3
OM 418	Principles of Global Trans Mgt	3
OM 427	Purchasing and Sourcing	3
IBA 460	Export/Import Management	3
<b>Total Hours</b>		<b>18</b>

A grade of C- or higher is required in all Supply Chain Management minor courses.

## Department of Management

Professor Louis D. Marino, Department Head  
Office: 104 Alston Hall

Every successful person, at some point, has to manage others. Some people experience this early in their careers when they are appointed to lead a key team on a major project. Others may encounter the experience later as a successful business venture requires hiring additional people. No matter when it happens, you will likely need, use, and desire skills taught within the Department of Management.

Students enrolled in management courses hone skills and add to their knowledge base through courses in leadership, innovation, communication, and decision making. The content taught within these classes is supplemented by the latest trends in technology and by the global perspective necessary for success in today's multicultural world.

Faculty within the Department of Management stay on the leading edge of current trends and research findings and remain dedicated to making sure that each student has a meaningful educational experience in all of our classes.

The Department of Management includes these programs:

- Majors
  - General Business, BS (p. 580)
  - Management, BS (p. 581)
    - **Entrepreneurship Concentration**
    - **Health Care Analytics Concentration**
    - **Human Resources Management Concentration**
- Minors
  - Entrepreneurship (p. 579)
  - General Business (p. 580)
  - Human Resource Management (p. 580)
  - Management (p. 583)
  - Management Communication (p. 581)

#### **Chair and Professor of Management**

- Louis Marino

#### **Professors**

- Daniel Bachrach
- Ronald Dulek
- Vishal Gupta
- Peter Harms
- William Jackson, III
- Russell Matthews
- A.J. Strickland, III
- Theresa Welbourne
- Marilyn Whitman
- Eric Williams

#### **Associate professors**

- Craig Armstrong
- Justin DeSimone
- Paul Drnevich
- Thomas English
- Michael Ford
- Jeffrey Martin
- Maura Mills
- Jeffrey Naidoo
- Stanford Westjohn

#### **Assistant professors**

- Danielle Combs
- Dwight Lewis

#### **Senior Instructors**

- Larry Baldwin
- Diana Gomez

- Chapman Greer
- Gorman Houston
- Joyce Meyer
- Rachel Smallwood

#### **Instructors**

- Jessica Crew
- Katie Grayson
- Alice Gordon Holloway
- Laney Lambert
- Seth Miesse
- Brent Reilly
- Regina Simpson
- E. Barden Smedburg Jr.
- Kimberley Williams
- Paul Willis

#### **MGT286 Entrepreneurship, Creativity and Ideation**

Hours 3

Provide students with the skills necessary to apply business creativity in developing innovative solutions to problems in uncertain and dynamic business environments.

#### **HCAN360 Introduction to Health Systems**

Hours 3

Detailed study of components of the health care delivery system in the United States. The course emphasizes history, roles, and interactions of the various providers, consumers, and governments.

Prerequisite(s): (EN 101 or 120) and (EN 102 or EN 121 or EN 103 or EN 104) and (MATH 121 or MATH 125 or MATH 145) and EC 110 and EC 111 and AC 210 and LGS 200 and ST 260

Prerequisite(s) with concurrency: MGT 300

#### **GBA146 Professional Development Series I: Exploring Your Path**

Hours 1

This course is open to incoming Culverhouse College of Business freshmen and provides an introduction to the nature of higher education and professional development competencies. This course also provides an introduction to the functions, resources, and activities of the University of Alabama. This course is designed to help students make the transition to a large comprehensive research university, develop a better understanding of the learning process, acquire academic success skills, and adopt methods for being successful in college. The goal of this course is to equip each student with the basic skills necessary for degree attainment and provide an introduction to professional competencies for student development and career success. Students are limited to three attempts for this course, excluding withdrawals.

[View All Courses](#)

## **Faculty**

#### **Chair and Professor of Management**

Louis Marino

#### **Professors**

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 Brent Reilly  
 Regina Simpson  
 E. Barden Smedburg Jr.  
 Kimberley Williams  
 Paul Willis

## Entrepreneurship, Minor

Entrepreneurs are bringing new ideas, technologies and solutions to market and improving how we live. As the rate of change escalates, entrepreneurship is even more valued. In the entrepreneurship minor, students are prepared to become part of the entrepreneurial changes taking place. In this program, HOW students learn is as important as WHAT they learn. The program focuses on doing. All entrepreneurship

classes use experiential learning as a key framework for immersing students in the entrepreneurial process. The classes embrace the art of competition, learning new technology, working with students from multiple disciplines on campus, networking with entrepreneurs and investors, building on their own ideas, and in some cases winning significant funds to move their ideas forward. Entrepreneurship students come from multiple colleges at UA; this means team experiences provide students with unique opportunities to meet a diverse group of peers. Entrepreneurship learning provides students with a lifelong love of innovation, creativity, and problem-solving. No matter where the entrepreneurship students take jobs or make their own jobs, they are a positive force for innovation, growth, and change.

Entrepreneurship minor		Hours
Required:		
MGT 386	Foundations of Entrepreneurship	3
MGT 387	Building Blocks of ENT I	3
MGT 388	Building Blocks of ENT II	3
MGT 482	New Venture Development	3
Choose 1 course from the following list:		3
MGT 406	Family Business Management	
MGT 421	Corp. Entrprnrshp & Innovation	
MGT 423	Effective Negotiations	
MGT 481	New Venture Finance	
MGT 484	Small Business Management	
IBA 350 or	Introduction to World Business	
IBA 352	Honors Intro to World Business	
An approved 300/400 level elective		
<b>Total Hours</b>		<b>15</b>

#### Entrepreneurship students are prepared to take multiple types of jobs:

**Start a Business or New Venture Development** – students start businesses right out of college, and others wait until later in their careers and use what they learn in their first jobs with more established firms to then open up their own businesses later in life. The support network obtained while going through classes helps entrepreneurs who want to start their businesses during their school years and right after graduation.

**Work with Firms that are Growing and Scaling** – some students take positions with growth firms, using their entrepreneurship learning to help drive new projects and products. They also accept positions with more established, larger firms that are looking for employees who can take on new programs and run with them, who can develop new ideas and help implement them and who can support continuous improvement based on ability to problem solve and ideate.

**Venture Capital, Private Equity, and Incubation** – students who enjoy the finance side of entrepreneurship can take positions with venture capital (VC) or private equity firms as well as in incubators and accelerators. Some of these VC units are part of larger, established firms while others are independent organizations. In these jobs, students are often involved in evaluating startups and then consulting with the entrepreneurs.

**Small and family businesses** – many students go into their own family businesses, helping them grow. Others start small, local businesses, and another group focuses on starting or joining not-for-profit businesses or firms focused on social entrepreneurship.

**A Better First Job** – no matter where entrepreneurship students choose to go for their first job, the confidence, network, and skills obtained

from this program provide them with a better first job. The ability to move from idea to product / service to commercialization and growth is a skill in demand by many types of organizations and a skill that provides each student with the ability to evaluate, start and grow their own companies. The program provides students with a network that supports entrepreneurial activity anywhere.

## General Business, BS

The general business major program is designed for students desiring an extensive understanding of business that spans all facets of the business enterprise, providing them with a broad philosophical and economic perspective about business operations.

This major is intended for business students who wish to gain breadth in skills and knowledge within their undergraduate studies. It is particularly appropriate for students who wish to combine a study of business with a minor or extended coursework in a non-business field. The general business major is also suitable for students who intend to pursue a specialized master's degree in business or who are interested in law school or other professional fields.

A minimum GPA of 2.0 is required for admission to the general business major.

Code and Title	Hours
Select one course from the following list:	3
AC 351 Managerial Acctngng Decisions	
AC 352 Corporate Financial Reporting	
AC 361 Cost Analysis Planning/Control	
Select one course from the following list:	3
FI 301 Intro Financial Inst. & Mkts	
FI 400 Fin Institutns, Mkts, Invstmnt	
Select one course from the following list:	3
EC 308 or Intermediate Microeconomics	
EC 310 Honors Intermediate Microecon	
EC 309 or Intermediate Macroeconomics	
EC 311 Honors Intermediate Macroecon	
EC 400 Analysis Econ Cond Micro/Macro	
Select one course from the following list:	3
IBA 350 or Introduction to World Business	
IBA 352 Honors Intro to World Business	
MGT 301 Intro to HR Management	
MGT 320 Leadership and Ethics	
MGT 386 Foundations of Entrepreneurshp	
MGT 423 Effective Negotiations	
Select one course from the following list:	3
MKT 313 Consumer Behavior	
MKT 321 Retail Management	
MKT 337 Personal Selling	
MKT 440 Digital and Social Media MKT	
Select one approved 300-400 level business elective	3
<b>Total Hours</b>	<b>18</b>

Since the general business degree offers students a broad introduction to business, students often use this degree as a precursor to pursuing a specialized master's program. Other career opportunities are in the general management area.

## Types of Jobs Accepted

Our graduates accept jobs such as management trainees, entry-level positions, business owners, assistant administrators, assistant managers, and customer service representatives.

## Jobs of Experienced Alumni

Experienced alums currently hold the following types of positions: owner of small business, vice president, director of human resource management, and administrative manager.

Learn more about opportunities in this field at the Career Center

## General Business, Minor

The General Business minor is designed for non-business students who want to gain a broad understanding of the business world. This minor pairs well with a variety of undergraduate majors across campus. The minor includes survey courses from several of the functional fields in Culverhouse College of Business and gives students the opportunity to tailor the elective courses to their specific interests.

The General Business minor is not available to students pursuing a major within Culverhouse College of Business.

Code and Title	Hours
Required:	
AC 210 or Intro To Accounting	4
AC 211 Honors Intro To Accounting	
EC 110 or Principles of Microeconomics	3
EC 113 Honors Prin of Macroeconomics	
ST 260 Statistical Data Analysis	3
Select three courses from the following list (at least two must be at the 300-level):	9
FI 302 Business Finance	
LGS 200 or Legal Environment of Business	
LGS 201 Honors Legal Env of Business	
MGT 300 Org Theory & Behavior	
MIS 200 Fundamentals of MIS	
MKT 300 Marketing	
OM 300 Intro Operations Management	
IBA 350 or Introduction to World Business	
IBA 352 Honors Intro to World Business	
<b>Total Hours</b>	<b>19</b>

## Human Resource Management, Minor

The Human Resource Management minor develops student skills for the effective management of human resources in organizations. The program trains students to strategically address human capital management to improve organizational performance. The six-course curriculum covers a range of topics, including employee recruitment, selection, training and development, compensation, performance management, employee relations, and strategic human resource management. The curriculum is aligned with the Society for Human Resource Management (SHRM) curriculum guidelines and prepares students to pass the SHRM-CP Certification exam as well as Human Resource Certification Institute (HRCI) exam.

<b>Human Resource Management minor</b>		<b>Hours</b>
Required:		
MGT 301	Intro to HR Management	3
MGT 437	Strategic HR Management	3
Choose 3 courses from the following list:		9
MGT 431	Employee Recruitment/Selection	
MGT 432	Employee Relations	
MGT 433	Compensation & Performance Mgt	
MGT 434	Training and Development	
MGT 492	Internship In HRM	
<b>Total Hours</b>		<b>15</b>

## Management Communication, Minor

The courses in this minor help students manage what they communicate as young professionals. They improve the impression they make when communicating orally, visually, and in writing. They exercise their emotional intelligence to gain acceptance as leaders when communicating interpersonally. They gain professional experience by managing a client project that brings real-world experience to the classroom and engages students in the application of strategic communication to navigate team relationships, resolve conflicts, and facilitate effective project governance.

<b>Management Communication Minor</b>		<b>Hours</b>
Required:		
GBA 300	Business Communications	3
MGT 300	Org Theory & Behavior	3
MGT 412	Management Presentations	3
MGT 422	Leadership Communication	3
MGT 452	Project Mgt and Consulting	3
<b>Total Hours</b>		<b>15</b>

## Management, BS

The Management major provides students the opportunity to develop analytical and interpersonal skills that create value for any enterprise. Students learn to efficiently organize and use the organization's assets, especially its human assets, in a manner appropriate to 21st century enterprises. Students develop their skills and talents through 21 hours of coursework, including one foundational course, "Leadership and Ethics," and a collection of six courses within one specialized area, or concentration. The three concentrations that may be applied toward the management major are entrepreneurship, health care analytics, and human resource management. These concentrations provide students with the in-depth knowledge and experiences necessary to compete in today's complex marketplace. Many graduates secure careers in such fields as corporate development, family business, health care management, human resource management, and corporate communication. Others choose to continue their education by attending some of the best graduate programs in the nation.

<b>Code and Title</b>	<b>Hours</b>
<b>Requirements</b>	
MGT 320	Leadership and Ethics
<b>Concentration</b>	
Select one of the following concentrations:	18
Entrepreneurship	

<b>Health Care Analytics</b>		<b>Hours</b>
Human Resources Management		
<b>Total Hours</b>		<b>21</b>

## Concentrations

Entrepreneurs are bringing new ideas, technologies and solutions to market and improving how we live. As the rate of change escalates, entrepreneurship is even more valued. In the entrepreneurship program, students are prepared to become part of the entrepreneurial changes taking place. In this program, HOW students learn is as important as WHAT they learn. The program focuses on doing. All entrepreneurship classes use experiential learning as a key framework for immersing students in the entrepreneurial process. The classes embrace the art of competition, learning new technology, working with students from multiple disciplines on campus, networking with entrepreneurs and investors, building on their own ideas, and in some cases winning significant funds to move their ideas forward. Entrepreneurship students come from multiple colleges at UA; this means team experiences provide students with unique opportunities to meet a diverse group of peers. Entrepreneurship learning provides students with a lifelong love of innovation, creativity, and problem-solving. No matter where the entrepreneurship students take jobs or make their own jobs, they are a positive force for innovation, growth, and change.

The Entrepreneurship concentration is restricted to Management majors only. Management majors in the Entrepreneurship concentration must complete all required Entrepreneurship concentration courses with a grade of C- or higher.

<b>Entrepreneurship Concentration</b>		<b>Hours</b>
Required:		
A minimum grade of C- is required in each course.		
MGT 386	Foundations of Entrepreneurship	3
MGT 387	Building Blocks of ENT I	3
MGT 388	Building Blocks of ENT II	3
MGT 482	New Venture Development	3
Capstone Experience A or B		6
Capstone Experience A: Small Business Management and Consulting		
MGT 484	Small Business Management	
MGT 486	Small Business Consulting	
Capstone Experience B: New Product Development		
MGT 483	Technology Commercialization	
MKT 410	Managing Innovation	
<b>Total Hours</b>		<b>18</b>

The Health Care Analytics concentration provides undergraduate students with the skills to meet the complex needs of healthcare organizations. Students in the healthcare analytics concentration learn how to harness data, process the data and produce evidence-based decisions. The daunting challenges confronting healthcare organizations today will require smarter, more informed decisions driven by data to improve outcomes and offer the value that market dynamics, governmental regulations and consumers demand. The six-course sequence aims to develop analytics competencies in our students to prepare them for entry-level analyst positions in a variety of healthcare settings. The Healthcare Analytics concentration is restricted to Management majors only. Management majors in the Health Care

Analytics concentration must complete all required Health Care Analytics Concentration courses with a grade of C- or higher.

Health Care Analytics Concentration		Hours
A minimum grade of C- is required in each course.		
Required:		
HCAN 360	Introduction to Health Systems	3
HCAN 361	Healthcare Data Structures	3
HCAN 362	Health Information Systems	3
HCAN 463	Healthcare Systems Improvement	3
HCAN 464	Healthcare Data Mining	3
HCAN 465	Healthcare Analytics Projects	3
<b>Total Hours</b>		<b>18</b>

The Human Resource Management concentration develops student skills for the effective management of human resources in organizations. The program trains students to strategically address human capital management to improve organizational performance. The six-course curriculum covers a range of topics, including employee recruitment, selection, training and development, compensation, performance management, employee relations, and strategic human resource management. The curriculum is aligned with the Society for Human Resource Management (SHRM) curriculum guidelines and prepares students to pass the SHRM-CP Certification exam as well as Human Resource Certification Institute (HRCI) exam. The Human Resource Management concentration is restricted to Management majors only. Management majors in the Human Resources concentration must complete all required Human Resources concentration courses with a grade of C- or higher.

Human Resource Management Concentration		Hours
Required:		
A minimum grade of C- is required in each course.		
MGT 301	Intro to HR Management	3
MGT 431	Employee Recruitment/Selection	3
MGT 432	Employee Relations	3
MGT 433	Compensation & Performance Mgt	3
MGT 434	Training and Development	3
MGT 437	Strategic HR Management	3
<b>Total Hours</b>		<b>18</b>

## Management Department Jobs by Concentration

### Entrepreneurship

**Entrepreneurship students are prepared to take multiple types of jobs:**

**Start a Business or New Venture Development** – students start businesses right out of college, and others wait until later in their careers and use what they learn in their first jobs with more established firms to then open up their own businesses later in life. The support network obtained while going through classes helps entrepreneurs who want to start their businesses during their school years and right after graduation.

**Work with Firms that are Growing and Scaling** – some students take positions with growth firms, using their entrepreneurship learning to help drive new projects and products. They also accept positions with more established, larger firms that are looking for employees who can take on

new programs and run with them, who can develop new ideas and help implement them and who can support continuous improvement based on ability to problem solve and ideate.

**Venture Capital, Private Equity, and Incubation** – students who enjoy the finance side of entrepreneurship can take positions with venture capital (VC) or private equity firms as well as in incubators and accelerators. Some of these VC units are part of larger, established firms while others are independent organizations. In these jobs, students are often involved in evaluating startups and then consulting with the entrepreneurs.

**Small and family businesses** – many students go into their own family businesses, helping them grow. Others start small, local businesses, and another group focuses on starting or joining not-for-profit businesses or firms focused on social entrepreneurship.

**A Better First Job** – no matter where entrepreneurship students choose to go for their first job, the confidence, network, and skills obtained from this program provide them with a better first job. The ability to move from idea to product / service to commercialization and growth is a skill in demand by many types of organizations and a skill that provides each student with the ability to evaluate, start and grow their own companies. The program provides students with a network that supports entrepreneurial activity anywhere.

## Healthcare Analytics

The Health Care Analytics (HCAN) program prepares students for entry level clinical, operational, and financial analyst positions in various healthcare settings. In addition to the core business curriculum that helps students develop a solid foundation in business principles, students in the Health Care Analytics program learn how to gather, extract, process, analyze, and present data. The program follows a cohort model in which the same group of students advances through the set of 6 sequenced courses together over a two-year period (junior and senior year).

The demand for talented data analysts in the health care industry is steadily increasing. In fact, job postings for data scientists has risen 75% in recent years. Data analysts are at the forefront of promoting population health, as their data-driven findings often guide the establishment of medical policies and practice standards. Over half of our graduates enter the job market with

an average starting salary of \$59,000. Students who choose to pursue graduate studies have been placed in prestigious graduate programs including UAB, Johns Hopkins University, Trinity University, and MUSC to name a few.

## Human Resources

**Human Resource Management students are prepared to take multiple types of jobs. Many recent graduates have obtained jobs in the following areas within their first year after graduation:**

**Human Resource Generalist** – Students are prepared to take on HR generalist positions in which they use their knowledge and skills to perform tasks related to human capital strategy, talent acquisition, onboarding, compensation, employee relations, performance management, and HRIS systems. Many recent graduates work in generalist HR positions with titles such as People Operations Coordinator, Human Resource Assistant, Senior Human Resources Assistant, Human Resource Manager, Human Resource Partner, and Human Resource Generalist.

**Talent Acquisition** – Several recent graduates have taken positions specializing in talent acquisition. These students use their skills in recruiting and onboarding new employees for medium-to-large

companies and staffing firms. Students are prepared to perform tasks such as sourcing and attracting applicants through recruiting channels and events, interviewing and assessing candidates, tracking applicants, hiring and onboarding new employees, and promoting and managing their company's employer brand.

**Small and family businesses** – Some students work in small businesses or start their own, helping them grow. Skills in HRM help these students with the critical people-related aspects of managing and growing these businesses, including staffing, training, employee relations, and compensation.

**A Better First Job and Beyond** – Human Resource Management students gain the skills, confidence, and network to help them find a better first job and to grow and advance as managers and leaders in HR and other business functions.

Learn more about opportunities in this field at the Career Center

## Management, Minor

The management minor is a five-course sequence which provides students the opportunity to develop analytical and interpersonal skills necessary to focus an organization's crucial processes on the achievement of its mission. Students in this minor will learn and practice key leadership, teamwork and innovation skills necessary to efficiently organize and employ an organization's assets, especially its human capital, in a manner appropriate to both established firms and newly created ventures. This minor is a valuable addition to any course of study at the University of Alabama as it teaches students how to work with and through others to achieve critical goals.

This minor is not available to students who are pursuing a major in Management.

Code and Title		Hours
Required:		
MGT 300	Org Theory & Behavior	3
MGT 301	Intro to HR Management	3
MGT 320	Leadership and Ethics	3
MGT 386	Foundations of Entrepreneurshp	3
Choose one course from the following list:		3
IBA 350	Introduction to World Business	
IBA 351	Multinat'l Bus. Communication	
MGT 412	Management Presentations	
MGT 420	Organizational Change	
MGT 421	Corp. Entrprnrshp & Innovation	
MGT 422	Leadership Communication	
MGT 423	Effective Negotiations	
MGT 431	Employee Recruitment/Selection	
An approved 300/400 level course in MGT		
<b>Total Hours</b>		<b>15</b>

## Department of Marketing

Professor Kristy Reynolds, Department Head

Office: 109 Alston Hall

The marketing department at Culverhouse is for students whose interest is in the customer interface in either an industrial (business to business) or consumer (business to consumer) setting. Marketing is the process by which businesses communicate their intrinsic value to customers and

other businesses. Marketing majors learn how to communicate value to customers, win customer trust and maintain and enrich customer relationships by delivering world-class products and services; and they apply this knowledge through real-world projects. Success in the marketplace requires firms to develop and execute marketing strategies that consider such factors as customers, competitors, economic conditions and global opportunities. In support of a firm's customer-focused mission, marketers engage in such activities as professional selling, services marketing, new product development, supply chain management, global marketing and social media marketing, as well as the research and strategic planning activities that undergird all activities in today's data-driven economy.

The marketing faculty is dedicated to student success. They bring real-world corporate experience to the classroom, and our programs are designed to enhance the student-corporate interface through on-campus corporate visits, internships, mentoring opportunities and jobs.

- Major
  - Marketing, BS (p. 584)
- Minors
  - International Business (p. 584)
  - Sales (p. 585)

### Chair and Professor of Marketing

- Kristy Reynolds

### Professors

- Arthur Allaway
- Thomas Baker
- Robert Morgan
- Clay Voorhees

### Associate professors

- Adam Farmer
- Carol Jones
- Stacey Robinson

### Assistant professors

- Carlos Bauer
- Abhi Bhattacharya
- Michelle Daniels
- Sebastian Forkmann
- Bryan Hochstein
- Christine Ringler

### Instructors

- James Brown
- Joe Calamusa
- Lexi Edwards
- Jim Karrh
- Candace McCain
- Sarah Miesse
- Cherie Moman
- Harold Wright

### Professors emeriti

- Sharon Beatty
- Alex Ellinger
- George Franke

**MKT300 Marketing**

Hours 3

A survey course that describes the nature of domestic and global marketing management. Emphasis is placed on market analysis to include consumer, industrial, institutional, and governmental markets for goods and services. Also emphasized are the marketing management functions of planning, pricing, promoting, and distributing goods and services in business and nonprofit contexts. Students are limited to three attempts for this course, excluding withdrawals.

Prerequisite(s): EC 110 or EC 112

**IBA250 Context of Global Business**

Hours 3

Broad introduction to international business providing students with an overview of the terms and concepts key to a better understanding of the complex business environment across the world's interrelated economies.

Prerequisite(s): (EC 110 or EC 112) and (EC 111 or EC 113)

VIEW ALL COURSES

**Faculty****Chair and Professor of Marketing**

Kristy Reynolds

**Professors**

Arthur Allaway

Thomas Baker

Robert Morgan

Clay Voorhees

**Associate professors**

Adam Farmer

Carol Jones

Stacey Robinson

**Assistant professors**

Carlos Bauer

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Jim Karrh

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Sarah Miesse

Cherie Moman

Harold Wright

**Professors emeriti**

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Alex Ellinger

George Franke

**International Business, Minor**

The International Business minor prepares students to engage with a globally connected marketplace by developing their awareness, understanding, and ability to critically analyze the globally connected world.

Students minoring in international business acquire skills to trade with foreign suppliers and distributors, and work effectively in multicultural work environments.

There is a focus on experiential learning including projects that sometimes involve global teams comprised of students from around the world, and ample opportunities to gain international experience through study abroad and internship programs that better prepare students for competition in the global economy. Culverhouse may be local, but our knowledge is global.

<b>International Business minor</b>		<b>Hours</b>
Required:		
EC 110	Principles of Microeconomics	3
IBA 350	Introduction to World Business	3
IBA 351	Multinat'l Bus. Communication	3
IBA 460	Export/Import Management	3
Choose 1 course from the following list:		3
IBA 455	Global Marketing	
EC 430	International Trade	
EC 431	International Finance	
FI 431	International Finance	
Choose 1 course from the following list:		3
IBA 492	Internship	
Approved Study Abroad Course or Approved Capstone International Program*		
<ul style="list-style-type: none"> <li>In program-approved situations, the study abroad class could replace one of the classes in the minor (e.g. IBA 351 or its approved equivalent taken during study abroad).</li> </ul>		

**Total Hours** 18**Marketing, BS**

Marketing provides a broad set of skills and interests that cover sales, retail operations, research skills, and import/export operations and logistics.

Marketing is primarily concerned with two main concepts: the identification and assessment of consumer and industrial market needs and the development of marketing programs to satisfy those needs. Marketing personnel in profit and nonprofit organizations analyze markets and industries to define new opportunities and refine existing opportunities. Marketers also are responsible for developing and managing products and services, along with promotion, distribution, and pricing appropriate to the targeted market opportunities. Students who major in marketing enjoy a wide range of employment opportunities. These include sales and sales management, services



marketing, retailing, brand management, market research, distribution and logistics, and advertising.

A C- or better is required in all Marketing major program courses. If a Marketing major attempts a major program course and earns below the required C-, the attempt will not count toward their degree.

Code and Title	Hours
<b>Requirements</b>	
A grade of C- or better is required for each course.	
MKT 313 Consumer Behavior	3
MKT 337 Personal Selling	3
MKT 440 Digital and Social Media MKT	3
MKT 473 Marketing Research	3
MKT 487 Strategic Marketing	3
Select One Marketing Course Below	3
MKT 321 Retail Management	
MKT 344 Promotional Management	
MKT 376 Services Marketing	
MKT 410 Managing Innovation	
MKT 437 Advanced Selling	
MKT 438 Sales Management	
MKT 439 Sales Strategy	
MKT 489 Managing Customer Data	
<b>Total Hours</b>	<b>18</b>

Numerous opportunities exist for students with marketing degrees. Some of those include sales, branding, supply chain, marketing research analysis, retail and purchasing, import/export operations, and logistics management. At the doctoral level, most graduates take on professorial positions.

## Types of Jobs Accepted

international marketing manager, global research analyst, international procurement position, export sales representative, procurement manager, project director, international logistics, corporate logistics manager, international shipping specialist, customs broker, sales representative, and management development

## Jobs of Experienced Alumni

Some of our more experienced alumni currently hold the following types of positions: chief executive officer, chief financial officer, business owners, and vice president of sales. Graduates of our doctoral program hold various professorial positions including dean and associate dean.

Learn more about opportunities in this field at the Career Center

## Sales, Minor

The Sales curriculum provide students with sales theory and up-to-date sales technologies, practical process applications and engagement with live business-to-business selling environments. Students who have earned the minor can contribute revenue to a hiring organization while also being more prepared to accept continued sales and management training. In an environment where making the sale is everything, a minor in Sales takes our students anywhere.

Sales minor	Hours
Required:	
EC 110 Principles of Microeconomics	3

MKT 300	Marketing	3
MKT 337	Personal Selling	3
MKT 437	Advanced Selling	3
MKT 438	Sales Management	3
MKT 439	Sales Strategy	3
<b>Total Hours</b>		<b>18</b>

## College of Communication and Information Sciences

Department of Advertising and Public Relations (p. 589)

Department of Communication Studies (p. 596)

Department of Journalism Creative Media (p. 601)

School of Library and Information Studies (p. 608)

## General Degree Requirements

Students should refer to the Admissions (p. 376) section of this catalog for information about advanced placement, CLEP credit, CLEP subject examinations, junior college credit and transfer credit (the College of Communication & Information Sciences has final authority in decisions concerning the possible application of junior college credit and other college credit toward a student's degree requirements). Information about academic bankruptcy, application for degree, class-hour load restrictions, concurrent enrollment, core curriculum requirements, drop/add, the pass/fail option, and second bachelor's degrees can be found in the Academic Regulations (p. 11) section of this catalog.

In order to earn the bachelor of arts in communication degree, students must satisfy the following requirements:

### Hours and Grade Point Average

All students with an undergraduate major in the College of Communication & Information Sciences must complete a minimum of 120 credit hours. Of the total number of hours required for each major, up to 16 may be earned in military science. The total hours for graduation must include the coursework specified in this catalog under the heading for the appropriate major department.

To be eligible for graduation, all students must have an overall and University of Alabama grade point average of 2.0 or higher and a grade point average of 2.0 or higher in the major and in the minor.

### Grade Requirements for Courses in the Major

A student must have grades of C- or higher in all required and elective courses counted toward an undergraduate major requirements in the College of Communication & Information Sciences. In addition, grades of C- or higher must be earned in all required ancillary courses, including those established as prerequisites for courses in the major as well as those required directly in the major.

Students should always check with their major department or Tisch Student Services & External Relations for specific policies pertaining to a particular department or program.

### Residence in the College and in the Major and Minor

While enrolled in the College of Communication & Information Sciences, students must earn a minimum of 30 hours at The University of Alabama. A minimum of 12 hours in each major and six hours in each minor must be earned at the 300- or 400-level in residence.

## Independent Study by Correspondence

Credit earned by correspondence courses may not exceed 25 percent of the coursework required by the University for graduation.

## Attendance Policies

Students are expected to attend all classes. Specific course attendance policies are fully explained by the professors in their course syllabi.

## Policy on Prerequisites and Co-requisites

College of Communication & Information Sciences students must satisfy all course and grade prerequisites and all course co-requisites, including grades of C- or higher in all required and elective courses counted toward the undergraduate major requirements. A student who fails to satisfy prerequisites and co-requisites before enrolling in a course may be administratively dropped from that course on or before the first day of classes. It is, however, the student's responsibility to drop a course when the specified prerequisites or co-requisites have not been met.

## Policy on Auditing Courses

A student who is registered for 12–18 hours may audit one course, but the student may not take tests or a final examination in the audited course. No credit is earned by auditing courses.

## Policy on Repeating Courses

Undergraduate students have a maximum of three attempts at completing each required course for the major with a grade of C- or higher, excluding withdrawals. If the third attempt is unsuccessful, the student will not be allowed to register for a fourth attempt without permission from the college. If that permission is not granted, the student will be unable to continue in their chosen major.

More information regarding the University Repeat Course policy can be found here: <http://catalog.ua.edu/undergraduate/about/academic-regulations/records/grades-grade-points-gpa/>

## Department and Program Requirements

### Hours in the Major

Students majoring in advertising or public relations must complete no fewer than 37-42 hours, depending on the major. Students majoring in creative media must complete no fewer than 37 hours in the major. Students majoring in news media must complete no fewer than 40 hours in the major. Students majoring in communication studies must complete no fewer than 36 hours in the major. The student must satisfy the major requirements of one of the College's departmental programs (advertising, communication studies, creative media, news media, or public relations). The maximum number of hours in the College of Communication & Information Sciences that may be counted toward the degree varies from department to department.

### Minor Requirements

All students in the College of Communication & Information Sciences must complete a minor unless they are pursuing more than one major. All C&IS students may choose to select any minor outside of the College. Within the College, students cannot select a minor in the same department of their major. Additionally, students majoring in advertising or public relations may not minor in news media or in sports media, and students majoring in news media may not minor in advertising and public relations.

In completing a minor, students are required to fulfill the requirements of the department that offers the minor. All students must complete a

minimum of six hours in residence of courses numbered 300 or above in the minor.

All students in the College of Communication & Information Sciences can pursue more than one minor, still adhering to the minor policy above, but they cannot select more than one minor offered by the same department in the College of Communication & Information Sciences. Students also cannot minor both in advertising and public relations and in news media.

## Double Majors

Students majoring in Advertising, Creative Media, News Media, or Public Relations may pursue an additional major in communication studies or any department outside the College. Students majoring in communication studies may pursue one additional major in any other department in the College or any other major(s) on campus. The student must meet all of the requirements for the second major that are in effect at the time the second major is declared. Students are encouraged to work with their academic advisor to develop a plan for a double major. Students who seek multiple degrees (dual degree) must obtain 150 hours and meet the requirements of each degree, including the completion of a minor. Please see the University policy for further information.

## Transfer Students

Transferability refers to the conditions under which The University of Alabama accepts credit from other post-secondary institutions for inclusion in the student's record. It is essential to have transcripts evaluated prior to enrolling in any courses in the College of Communication & Information Sciences.

A transfer student must have earned a grade point average of 2.0 or higher (on a 4.0 scale) at the institution(s) previously attended. The student must have earned a grade of C- or higher in all transferred courses that are used to satisfy major requirements in the College of Communication & Information Sciences.

A student may transfer a total of 75 percent of the coursework required from another accredited four-year institution or a total of 60 hours needed for a degree from a two-year or junior college, provided that these maximum numbers do not conflict with accreditation requirements or other divisional requirements. A minimum of 25 percent of the coursework required for the degree must be earned at The University of Alabama.

## Courses Outside the Major and Minor

No more than 21 hours in any single subject other than the major or minor may be applied in fulfilling the minimum-hours graduation requirement (see the Hours and Grade Point Average section under General Degree Requirements for minimums).

## Specialized Minor in Other Divisions

A student interested in a specialized minor in any other division (for example, the College of Human Environmental Sciences, College of Engineering, or College of Arts and Sciences) should contact that division. Students also may develop a student designed minor through New College.

## Post Graduate Students

A student holding a bachelor's degree from a regionally accredited institution of higher learning may earn a second bachelor's degree by fulfilling a specific set of requirements at both the College and University level. Please see the University policy for requirements. In addition, the College has specific requirements found under each major/minor. A minor is not required for students seeking a second bachelor's degree in C&IS.

Students in the College of Communication & Information Sciences should meet the general admission requirements of the University. The College has final authority in decisions concerning the possible application of transfer credit and other college credit toward a student's major or minor requirements.

## Lower Division and Upper Division

The curriculum of the College of Communication & Information Sciences is divided into a lower division and an upper division. The lower division consists of all College courses at the 100 and 200 levels. The upper division consists of all College courses at the 300 level or above. The College of Communication & Information Sciences has established both lower-division and upper-division requirements for students. All University of Alabama students who enroll in upper-division College courses must have met the College's upper-division requirements. Students who enroll in College courses and do not meet the College's requirements concerning prerequisite courses and grades will be administratively dis-enrolled on or before the first day of classes. Students who enroll in College courses and fail to attend class meetings will be assigned a grade of F-Never Attended or F-Stopped Attending.

### Lower-Division Requirements

A student who has completed the necessary prerequisite courses with the required minimum grade of C- may enroll in lower-division College courses. Prerequisites are included in the course descriptions in this catalog, but they are subject to change.

### Upper-Division Requirements

To enroll in upper-division College courses, a student must have completed the necessary prerequisite courses with grades of C- or higher and must have an overall grade point average of 2.0 or higher.

## Declaring a Major and Minor

It is the student's responsibility to declare a major through the *myBama* system. If a transferring student has more than 45 hours, the student must also have a GPA of 2.0 or higher and have completed an advising appointment with the designated major advisor in Tisch Student Services & External Relations.

A student with a major in the College of Communication & Information Sciences must choose a minor field of study in any department or area for which that student is eligible. All C&IS students must complete all requirements of their declared minor to graduate from the College.

## Honors College

Qualified students in the College of Communication & Information Sciences are encouraged to participate in the Honors College. Complete information is contained in the University Honors College section of this catalog.

## Academic Advising

All students with a major in the College of Communication & Information Sciences are assigned an academic advisor in Tisch Student Services and External Relations. It is the responsibility of students to consult with their advisors for assistance selecting and registering for the courses necessary to make reasonable progress, within the time period desired, toward meeting all degree requirements. This responsibility extends to seeing that all prerequisites have been fulfilled before registering for courses that have such requirements.

Those students who need assistance with selecting courses, determining academic progress, or addressing difficulties with coursework may make

an appointment with their assigned academic advisors. This assignment is indicated in *DegreeWorks*.

## History and Objectives

The College of Communication & Information Sciences offers undergraduate degrees in advertising, communication studies, creative media, news media, and public relations, as well as master's degrees in advertising & public relations, book arts, communication studies, journalism, and library & information studies, and an interdisciplinary doctoral degree. The College is the only communication unit in the state offering bachelor's, master's, and doctoral degrees.

The College originated from the School of Communication, created on 1 July 1973, by combining the Department of Journalism (founded in 1926) and the Department of Broadcast & Film Communication (founded in 1940) with The University of Alabama Television Services (now The Center for Public Television) in a single administrative unit. The Department of Broadcast & Film Communication was later renamed to the Department of Telecommunication & Film which merged with the Department of Journalism, in 2016, to become the Department of Journalism & Creative Media.

In 1973, its first year, the School of Communication created an additional department, the Department of Advertising & Public Relations, from course sequences that had been offered by the Department of Journalism (now Journalism & Creative Media). University Radio Services (now Alabama Public Radio) was established in 1980, as was the Communication Research & Service Center (now the Institute for Communication and Information Research). On 16 May 1981, the Department of Speech Communication (founded in 1932, now Communication Studies) moved from the College of Arts & Sciences to the School of Communication. The former School of Communication became the College of Communication, on 9 September 1988, by action of the Board of Trustees of The University of Alabama, in recognition of the school's expanded role and scope. On 1 July 1997, the College of Communication and the School of Library & Information Studies merged to form the College of Communication & Information Sciences.

The purposes of the College of Communication & Information Sciences are as follows:

- To offer courses leading to undergraduate and graduate degrees in those specialized areas necessary to prepare students to pursue careers in communication- and information-related areas.
- To provide students with a broad education that will allow them to become productive and creative citizens in society and leaders in their professions, their communities, and the nation.
- To encourage students to pursue further formal study and self-education in communication- and information-related areas.
- To engage actively in research and service.

The College prepares students for careers in the production of public communication, such as in news, media, and film, for professional positions in government, business, and industry that require training in media and communication and for educational positions requiring graduate study in specific areas of communication and information sciences. The College also provides study of the processes of human and mass communication to prepare students to be effective communicators by fostering their abilities to think critically, to express and to advocate their ideas effectively, and to understand and appreciate the diversity of human communication in practice. Supporting the College in these goals are the Digital Media Center, the Alabama Program in Sports Communication, the Holle Center for Communication Arts, the Betsy

Plank Center for Leadership in Public Relations, and the Institute for Communication and Information Research.

**CIS100 Freshman Compass College of Communication**  
*FCMP*

Hours 3

This course is designed for first-year majors in the College of Communication and Information Sciences. Students will learn about the various CIS majors, student resources and activities, advising, and career education.

Freshman Compass

**CIS200 Academic Resiliency**

Hours 1-3

This course is open to students in the College of Communication and Information Sciences (C&IS). The course is designed to aid students in their academic recovery, promote student success strategies, and assist with balancing academics and goals with challenges.

**CIS250 Introduction to Design Software**

*C*

Hours 3

This class is an active learning introductory skills course to the Adobe CC programs Photoshop, Illustrator and InDesign. Through this class, students will learn the primary skill set for applications used to make professionally designed posters, ads, brochures, newsletters and other documents prevalent in communication. Computing proficiency is required for a passing grade in this course.

Computer Science

**CIS260 Intro to Consumer and Media Research Resources**

*C*

Hours 3

Intro to Consumer and Media Research Resources is an introduction to the use of research by advertising and public relations professionals to help them make good decisions. The course has three primary modules – an introduction to basic research concepts and terms, initial hands-on experience with fundamental consumer and media research tools (Qualtrics, Simmons, Microsoft Office, etc.), and exposure to the concept of data storytelling. Computing proficiency is required for a passing grade in this course.

Computer Science

**CIS295 C&IS Special Topics**

Hours 1,3

Special topics in communication and information sciences. This course may be repeated up to six times for a total of six hours.

**CIS495 Studies in Communication & Information Sciences**

Hours 1-6

Course content will vary to explore issues in Communication & Information Sciences on an individual or group basis. Content may include timely special topics of importance in various college disciplines as well as independent reading, research, experiences, and/or discussion concerning relevant disciplinary issues and will be detailed in each individual section syllabus. May be repeated as necessary.

**MC101 Intro To Mass Communic**

*SB*

Hours 3

Introduction to the fields of communication, including theory, law and regulation, history, social implications, and mass media operations.

Social and Behavioral Sciences

**MC401 Mass Comm Law & Regulatn**

Hours 3

Study of laws and regulations affecting the mass media and the fields of mass communication. May be taken for graduate credit.

Prerequisite(s): MC 101 with minimum C-; 61 or more hours; GPA 2.0 or better

**MC407 Mass Communic Research**

Hours 3

Overview and application of the methods used in quantitative and qualitative mass communication research.

Prerequisite(s): MC 101

**MC409 History Mass Communicatn**

*W*

Hours 3

Study of the historical development of mass communication. May be taken for graduate credit. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MC 101

Writing

**MC413 Mass Communication, Service & Diversity**

*W*

Hours 3

In this service-learning designated class, students study and analyze mass communication issues of diversity as they relate to groups in society. Students work with area partners on projects related to reaching diverse, mass audiences. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MC 101

Writing

**MC421 Political Communication**

W

Hours 3

The purpose of this course is to explore the general character and dimensions of the cross-disciplinary field of political communication. The principal aim is to familiarize each participant with the literature and propositions surrounding key approaches, methods, and substantive areas of inquiry in political communications. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MC 101

Writing

**MC425 Media Management**

W

Hours 3

The structure and function of media organizations. The decision-making processes inherent in running complex media businesses. Effective leadership styles. Traditional marketing perspectives applied to media. Laws and regulations that affect media management. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Prerequisite(s): MC 101

Writing

**MC426 Race, Gender and Media**

Hours 3

This discussion-oriented class examines the mass media through the lenses of race, ethnicity and gender. The course helps future media practitioners be aware of their roles in creating content that reflects increasingly multicultural audiences. Using current, contemporary and classic media texts, students critically analyze media messages and understand the importance of a diverse workforce.

Prerequisite(s): MC 101 and 61 hours

**MC430 Video Games and Media**

Hours 3

This course provides a comprehensive overview of video game media as it pertains to students preparing for careers in the entertainment industry, news, creative media, computer programming and related careers. Video games are a globally relevant medium that entertain, educate, inform us; define and are defined by contemporary culture. The course will prepare students for developing projects that can be used as part of their professional portfolios as they prepare for their careers.

Prerequisite(s): MC 101

**MC431 Sports & Social Media**

Hours 3

This course will focus on the connections and engagement of social media within sports communication. This will include topics such as personal/professional branding, audience analytics, media campaigns and messaging.

Prerequisite(s): MC 101

**MC446 Contemporary Issues in Sports Media**

Hours 3

This course is designed to synthesize work in mass communication to be able to construct and critique arguments about modern sports media issues and controversies.

Prerequisite(s): MC 101

**MC495 Special Topics**

Hours 3

Special topics in mass communication theory and research. May be taken for graduate credit.

Prerequisite(s): MC 101

**Faculty****Dean**

Mark D. Nelson

**Senior Associate Dean, Administration**

Beth S. Bennett

**Associate Dean, Graduate Studies**

William Evans

**Associate Dean, Research**

Kimberly Bissell

**Associate Dean, Undergraduate Studies & External Relations**

Sara A. Hartley

**Assistant Dean, Accreditation, Assessment and Diversity**

Suzanne Horsley

**Executive Director, Strategic Initiatives**

Jim Bailey

**Director, Digital Media Center**

Michael Bruce

**Director, Financial Affairs**

Melanie Danner

**Academic Unit Heads**

Michael Bruce, Journalism &amp; Creative Media

Damion Waymer, Advertising + Public Relations

Margaret D'Silva, Communication Studies

Jamie Campbell Naidoo, Library &amp; Information Studies

**Director, Experiential Learning & Outreach**

Litsa O. Rivers

**Director, Student Services & Registrar**

Alyson Jarnagin

**Director, Development**

Jenny Pyle

## Department of Advertising and Public Relations

Advertising and public relations are the disciplines organizations use to communicate with their constituencies: customers, employees, suppliers, shareholders, public-interest groups, voters and other key publics. The purpose of the Department of Advertising and Public Relations (A+PR) is to help the world's brands, communicators and scholars tell better

stories that matter, and our mission is to change the work and the world by producing research and leaders that are creative, socially conscious and business-savvy.

The curriculum provides an analytical and conceptual approach to understanding and practicing advertising and public relations. Students also gain an appreciation of the role of these disciplines in society. Courses blend theoretical and conceptual thinking with instruction in the latest business practices. The A+PR faculty seeks to educate highly competent, focused students who will be recognized for their leadership qualities – their abilities to discern issues relating to both the practice of their profession and its role in society, to develop and execute successful communication programs, and to lead others effectively.

**A total of 120 hours is required for graduation.**

For more information about the advertising and public relations majors, advising, internships, etc., visit [apr.ua.edu](http://apr.ua.edu).

- Majors
  - Advertising, BA (p. 591)
  - Public Relations, BA (p. 594)
- Minor
  - Advertising and Public Relations (p. 591)

**Professors**

- Gower, Karla K.
- Ki, Eyun-Jung
- Khang, Kyoungkoo
- Waymer, Damion

**Associate Professors**

- Britt, Brian Christopher
- Brown, Kenon A.
- Hayes, Jameson
- Horsley, J. Suzanne
- Kinney, T. Lance

**Assistant professors**

- Barry, Mark
- Boman, Courtney
- Brinson, Nancy
- Holiday, Steven
- Kim, Jihoon
- Kim, Seoyeon
- Lemon, Laura
- Lim, Dongjae
- VanDyke, Matthew

**Senior Instructors**

- Daria, Susan E.
- Little, Michael T.
- Sims, Tracy R.

**Instructors**

- George, Jared
- Huffaker, Randall
- Walker, Janet
- Waters, Gerald
- Wisla, Matt

**Professors emeritae**

- Cartee, Karen Johnson
- Cooper, Caryl
- Elebash, Camille
- Lamme, Margaret O.
- Mancini, Marilyn

**Professors emeriti**

- Barban, Arnold M.
- Berger, Bruce K.
- Dennis, Alan
- Gonzenbach, William J.
- Pasadeos, Yorgo
- Phelps, Joseph E.

**APR100 Professional Exploratory**

Hours 1-3

The Professional Exploratory provides the student with one of the following, depending on qualifications: 1) an opportunity to shadow advertising or PR professionals in the workplace while being introduced to current practices and trends in the field or 2) an opportunity to gain practical experience (such as an internship) in the advertising or public relations field. Enrollment is by permission of the internship coordinator (or faculty sponsor) and the departmental chairman. In order to qualify for APR 100 as a shadow opportunity for one hour of credit on a Pass/Fail basis, the student must have an overall GPA of at least a 2.0 and be a declared advertising or PR major or minor. In order to qualify for APR 100 as a practical experience opportunity for one to three hours of credit on a Pass/Fail basis, the student must have an overall GPA of a 2.0 and have completed the foundation courses of the advertising or PR major or minor coursework. This course is repeatable for a six-hour-credit maximum.

**APR101 Creativity and American Culture**

SB

Hours 3

A survey of the theoretical, procedural and ethical issues associated with creative thinking. Examines both individual and organizational strategies for promoting creativity, and the creative thinker's role in shaping the culture. Also highlights the intellectual connections between the scholarship in creativity and its practical applications.

Social and Behavioral Sciences

[View All Courses](#)

**Faculty**

**Professors**

- Gower, Karla K.
- Ki, Eyun-Jung
- Khang, Kyoungkoo
- Waymer, Damion

**Associate Professors**

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- Brown, Kenon A.
- Hayes, Jameson
- Horsley, J. Suzanne
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Berger, Bruce K.

Dennis, Alan

Gonzenbach, William J.

Pasadeos, Yorgo

Phelps, Joseph E.

## Advertising and Public Relations, Minor

The integrated advertising & public relations minor focuses on the historical, societal and cultural impacts of the advertising and PR industries and complements a wide variety of academic majors, including general business, marketing and liberal arts majors.

Only students *outside* the College of Communication and Information Sciences (with the exception of communication studies majors and creative media majors) may select the advertising & public relations minor consisting of 19 credit hours. **A grade of C- or higher is required in all courses required for the advertising & public relations minor.** [Click here for a printable advertising & PR minor handout.](#)

Advertising & Public Relations Minor Courses		Hours
MC 101	Intro To Mass Communic	3
JCM 103	Mechanics of Media Writing	1
APR 241 or	Intro to Ad and PR	3
APR 221 or	Intro To Advertising	
APR 231	Intro Public Relations	
APR 280	Intro to Audience Analysis <sup>1</sup>	3
APR 290	Intro to Channels and Msg	3
Two APR 400-level or MC 400-level electives taken in residence		6
<b>Total Hours</b>		<b>19</b>

**Footnotes**

<sup>1</sup> APR 280 Intro to Audience Analysis requires CIS 260 Intro to Media Resources as a corequisite.

## Grade Point Average

A grade point average of at least a 2.0 in the minor is required. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA. Please see the Grades and Grade Point Average (GPA) section of this catalog for an explanation of grade point average calculations.

## Upper-level Residency

A minimum of six hours of 400-level courses in the minor must be earned *in residence*.

## Ancillary Courses

Students pursuing the advertising & public relations minor must also complete CIS 260 Intro to Media Resources with at least a C- as a corequisite to APR 280 Intro to Audience Analysis.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. Each student is encouraged to meet with an advisor for academic planning each semester. Student advising for an advertising & public relations minor advising takes place in C&IS Tisch Student Services and External Relations (190 Phifer).

## Advertising, BA

Advertising is the creative expression of strategic persuasive communication. As a marketing function, advertising focuses on the promotion of products, services, companies, organizations and ideas through paid media space or time. Examples of advertising media include magazines, newspapers, television, radio, online, outdoor/transit and alternative.

Students of advertising will develop and hone critical and creative thinking skills. Students will develop an understanding of the intended audience and use that understanding to create relevant messages, using powerful verbal and visual imagery capable of communicating the intended message(s) in order to capitalize on organizational opportunities and solve communication problems. The skills necessary for creating persuasive messages and developing the means to expose those messages to the intended audience will be learned in this program. These skills include the ability to conduct research to measure program needs, develop program quantifiable objectives and focused strategies, implement state-of-the-art tactics and develop the tools to measure a program's return on investment.

## Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements.

Students seeking to major in advertising may pursue one of the following options:

- *Advertising major (37 hours)*: prepares students for account management and media buying
- *Advertising creative concentration (40-42 hours)*: prepares students for careers in *art direction (42 hours)* or *copywriting (40 hours)*; students are competitively selected for this concentration based on an application process
- *Brand management concentration (37 hours)*: prepares students for careers in consumer research/insight development, brand value, etc.
- *Integrated channel planning (37 hours)*: prepares students for careers in media relations, media strategy, etc.

## Core Curriculum and General Education Requirements for All Advertising Majors

Code and Title	Hours
<b>Freshman Composition (FC)</b>	
EN 101 English Composition	3
EN 102 English Composition	3
<b>Computer Science (C) or Foreign Language (FL)</b>	
CIS 250 Intro to Design Software <sup>6</sup>	3
CIS 260 Intro to Media Resources <sup>6</sup>	3
<b>Humanities (HU) and Fine Arts (FA)</b>	
COM 123 Public Speaking <sup>4</sup>	3
Select three hours in Fine Arts (FA)	3
Select six hours in Literature (L)	6
<b>Natural Science (N) and Mathematics (MA)</b>	
Select eight hours in Natural Science (N)	8
Select three to four hours in MATH 110 or higher	3-4
<b>History (HI) and Social/Behavioral Sciences (SB)</b>	
Select three hours in History (HI)	3
EC 110 or Principles of Microeconomics <sup>3</sup>	3
EC 112 Honors Prin of Microeconomics	
Select three hours in Social/Behavioral Sciences (SB) <sup>1</sup>	3
Select three hours in History (HI) or Social/Behavioral Sciences (SB) <sup>5</sup>	3
<b>Writing (W)</b>	
Select six hours of W-designated courses <sup>2</sup>	6
<b>Total Hours</b>	<b>53-54</b>

### Footnotes

<sup>1</sup> Satisfied by MC 101 Intro To Mass Communic in the major; must earn at least a C-.

- <sup>2</sup> Must earn at least a C-. *Writing core for advertising majors without a concentration*: APR 302 Advertising Strategy and APR 423 A+PR Management; *writing core for advertising creative concentration*: APR 302 Advertising Strategy, APR 322 Copywriting Seminar (only for copywriting students) and/or APR 310 Concepting; *writing core for the brand management concentration*: APR 302 Advertising Strategy and APR 423 A+PR Management; *writing core for integrated channel planning concentration*: APR 423 A+PR Management and MC 400-level course with the "W" designation or a course in the student's minor with the "W" designation
- <sup>3</sup> Must earn at least a C- in EC 110 Principles of Microeconomics or EC 112 Honors Prin of Microeconomics.
- <sup>4</sup> Must earn at least a C- in COM 123 Public Speaking.
- <sup>5</sup> SB core can be satisfied by APR 221 Intro To Advertising in the major (if not taking APR 241 Intro to Ad and PR instead); must earn at least a C-.
- <sup>6</sup> Must earn at least C- in CIS 250 Intro to Design Software and CIS 260 Intro to Media Resources.

## Advertising Major

*All courses in the advertising major require at least a C-. Be sure to check course prerequisites to ensure a timely progression through the advertising major coursework. Click here for the comprehensive advertising major handout.*

Code and Title	Hours
<b>Foundation Courses:</b>	
MC 101 Intro To Mass Communic	3
JCM 103 Mechanics of Media Writing	1
APR 221 or Intro To Advertising	3
APR 241 Intro to Ad and PR	
APR 280 Intro to Audience Analysis	3
APR 290 Intro to Channels and Msg	3
APR 302 Advertising Strategy	3
<b>Intermediate Courses:</b>	
APR 300 or Basic Principles of Design	3
APR 325 Social and Digital Media	
APR 422 Channel Planning	3
APR 423 A+PR Management	3
Two APR 400-level or MC 400-level electives	6
<b>Capstone Courses:</b>	
One course chosen from MC 401, APR 451, APR 452 or APR 453	3
APR 424 Advertising Campaigns <sup>1</sup>	3
<b>Total Hours</b>	<b>37</b>

### Footnotes

<sup>1</sup> EC 110 Principles of Microeconomics is a prerequisite to APR 424 Advertising Campaigns.

## Minors for Students Majoring in Advertising

The A+PR department requires each of its students to complete a minor. Advertising students may not choose a minor in the Department of Advertising and Public Relations. Additionally, advertising students cannot minor in news media or sports media. Advertising students minor in such diverse areas as communication studies, general business,



political science, art, psychology, history, mathematics, cultural studies, and languages such as Chinese, Japanese, Russian and Spanish. A minor is not required if the student pursues a second major.

## Residence in the College and in the Major and Minor

While enrolled in the College of Communication and Information Sciences, students must earn a minimum of 30 hours on this campus. A minimum of 12 hours in each major and six hours in each minor must be earned at the 300- or 400-level *in residence*.

## A+PR Department Requirements

Students are asked to make special note of the following Department of Advertising and Public Relations requirements.

### Student Responsibility

As an A+PR student, you are here to become a leader — to shape the future of global advertising and public relations in a socially conscious manner. You are here to do the extraordinary, not just what is expected. The faculty expects you to be passionate about your work, fluent in your discipline and engaged as a learner. We are your partners in these endeavors.

It is the student's responsibility to understand the requirements for the advertising major or minor and to seek the advice of their assigned adviser when choosing coursework. Advertising students receive adviser assignments from Tisch Student Services soon after they declare the advertising major via MyBama.ua.edu, or they may go to 190 Phifer or email [tischstudentserv@ua.edu](mailto:tischstudentserv@ua.edu) to request one.

### Prerequisites

A number of courses within and outside the department require other courses as prerequisites. A student who registers for any course without satisfying the proper prerequisites will be required to drop the course. Before registering, students are advised to review course descriptions for prerequisites and other requirements.

### Minimum Grade Requirement

**A grade of C- or higher is required in all courses counted in the advertising major or minor.** In addition, grades of C- or higher must be earned in all required external courses, including those established as prerequisites for courses in the advertising major or minor and those required directly in the major or minor. In keeping with University policy, when a course is taken more than one time, each enrollment will be counted in the cumulative hours attempted and used in computation of the grade point average, but only the final enrollment may count as credit toward the degree.

### Minimum Grade Point Average

A 2.0 or higher overall grade point average is required of all students who have earned 45 hours or more of college credit and wish to transfer into the college. A student must have an overall grade point average of 2.0 or higher in order to register for any 300-level or higher-numbered course in the Department of Advertising and Public Relations.

## Advertising Creative Concentration Requirements

### Application

Admission to the advertising creative concentration will be selective, and based upon a faculty panel's evaluation of applications used to assess students' unique qualifications for entry. The application requires

students to submit two samples of creative work as evidence of their capabilities: one that demonstrates facility to solve a specific problem creatively and another that permits a longitudinal examination of their creative thinking ability.

### Creative/Artistic Standards

Advertising students admitted to the advertising creative concentration will be required to produce work that meets creative/artistic standards (as evaluated by qualified faculty) in order to continue taking courses in the concentration, consistent with common practice in fine and performing arts programs.

The instructor in each concentration course will evaluate each student at the end of every semester and determine whether or not a student's work meets these standards. Students whose work falls short will discontinue coursework in the concentration and have the option to pursue the general advertising major, provided that they qualify academically.

## Advertising Creative Concentration

The 18-to-20-hour advertising creative concentration prepares students for careers in art direction (*42 hours*) or copywriting (*40 hours*); students are competitively selected for this specialization based on an application process initiated after the first phase of coursework in the major. *Be sure to check course prerequisites to ensure timely progress through the advertising creative concentration and advertising major. Click here for the comprehensive advertising major handout, which contains more details about this concentration.*

Advertising Creative Concentration Courses		Hours
APR 300	Basic Principles of Design	3
APR 310	Concepting	4
APR 410	Portfolio I	4
Choose one:		3 or 5
APR 323	Art Direction Seminar	
& APR 301	and Software Applications II	
& APR 401	and Software Applications III	
or		
APR 322	Copywriting Seminar	
APR 411	Portfolio II	4
<b>Total Hours</b>		<b>18-20</b>
Advertising Major Core Courses		Hours
MC 101	Intro To Mass Communic	3
JCM 103	Mechanics of Media Writing	1
APR 221 or	Intro To Advertising	3
APR 241	Intro to Ad and PR	
APR 280	Intro to Audience Analysis <sup>1</sup>	3
APR 290	Intro to Channels and Msg	3
APR 302	Advertising Strategy	3
Two capstone courses:		
One course chosen from MC 401, APR 451, APR 452 or APR 453		3
APR 424	Advertising Campaigns <sup>2</sup>	3
<b>Total Hours</b>		<b>22</b>

### Footnotes

<sup>1</sup> APR 280 Intro to Audience Analysis requires CIS 260 Intro to Media Sources as a corequisite.

<sup>2</sup> EC 110 Principles of Microeconomics is a prerequisite to APR 424 Advertising Campaigns.

## Brand Management Concentration

The 15-hour brand management concentration prepares students for careers in consumer research/insight development and other brand management careers. *Be sure to check course prerequisites to ensure timely progress through the brand management concentration and advertising major. Click here for the comprehensive advertising major handout, which contains more details about this concentration.*

Brand Management Concentration Courses		Hours
APR 421	Account Planning	3
APR 422	Channel Planning	3
APR 423	A+PR Management	3
APR 453	Investigation and Insights	3
APR 454	Consumer Psychology	3
<b>Total Hours</b>		<b>15</b>

Advertising Major Core Courses		Hours
MC 101	Intro To Mass Communic	3
JCM 103	Mechanics of Media Writing	1
APR 221 or APR 241	Intro To Advertising Intro to Ad and PR	3
APR 280	Intro to Audience Analysis <sup>1</sup>	3
APR 290	Intro to Channels and Msg	3
APR 302	Advertising Strategy	3
Two capstone courses:		
One course chosen from MC 401, APR 451 or APR 452		3
APR 424	Advertising Campaigns <sup>2</sup>	3
<b>Total Hours</b>		<b>22</b>

### Footnotes

<sup>1</sup> APR 280 Intro to Audience Analysis requires CIS 260 Intro to Media Resources as a corequisite.

<sup>2</sup> EC 110 Principles of Microeconomics is a prerequisite to APR 424 Advertising Campaigns.

## Integrated Channel Planning Concentration

The 15-hour integrated channel planning concentration will teach students how to strategically integrate media channels from the perspective of both advertising and public relations disciplines in order to enhance client campaign outcomes and to better prepare them to become entry-level professionals in advertising and/or public relations. *Be sure to check course prerequisites to ensure timely progress through the integrated channel planning concentration and advertising major. Click here for the comprehensive advertising major handout, which contains more details about this concentration.*

Integrated Channel Planning Courses		Hours
APR 325	Social and Digital Media	3
APR 422	Channel Planning	3
APR 455	Advanced Media Strategy	3
APR 456	Media Relations	3
One APR 400-level or MC 400-level elective		3
<b>Total Hours</b>		<b>15</b>

Advertising Major Core Classes		Hours
MC 101	Intro To Mass Communic	3
JCM 103	Mechanics of Media Writing	1
APR 221 or APR 241	Intro To Advertising Intro to Ad and PR	3
APR 280	Intro to Audience Analysis <sup>1</sup>	3
APR 290	Intro to Channels and Msg	3
APR 302	Advertising Strategy	3
Two capstone courses:		
One course chosen from MC 401, APR 451, APR 452 or APR 453		3
APR 424	Advertising Campaigns <sup>2</sup>	3
<b>Total Hours</b>		<b>22</b>

### Footnotes

<sup>1</sup> APR 280 Intro to Audience Analysis requires CIS 260 Intro to Media Resources as a corequisite.

<sup>2</sup> EC 110 Principles of Microeconomics is a prerequisite to APR 424 Advertising Campaigns.

Graduates find employment at advertising or public relations agencies, advertising, public relations, or promotional departments of businesses, industries and government agencies and with traditional and nontraditional media outlets.

## Types of Jobs Accepted

Our graduates work as copywriters, art directors, account executive assistants, media sales representatives, photographers, researchers, production specialists, media consultants, management advisers, public opinion surveyors and marketing researchers.

## Jobs of Experienced Alumni

Owners, presidents & CEOs of advertising agencies, vice president—corporate communication, professors, art directors, account executives, etc.

Learn more about opportunities in this field at the Career Center

## Public Relations, BA

Public relations is a proactive, strategic function that strives to mesh the interests of an organization and its publics. Public relations professionals build and maintain those relationships that are essential to the organization's success — or failure — by applying research skills, visual thinking, strategic planning and effective writing.

Success requires a passion for learning about public relations. This program will lead students in developing skills necessary for creating persuasive messages and the means to expose those messages to the intended audience. This includes the ability to conduct research to measure program needs, develop program quantifiable objectives and focused strategies, implement state-of-the-art tactics and master the tools to measure a program's return on investment. Students of public relations will develop and hone critical and creative thinking skills.

## Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements.

Students seeking to major in public relations may pursue one of the following options:

- *Public relations major (37 hours)*: prepares students for careers as account executives, brand managers, publicists, client services managers, community affairs specialists, etc.
- *Digital communication concentration (37 hours)*: prepares students for careers as social media managers, digital marketing specialists, digital communication managers, etc.

## Core Curriculum and General Education Requirements

Code and Title	Hours
<b>Freshman Composition (FC)</b>	
EN 101 English Composition	3
EN 102 English Composition	3
<b>Computer Science (C) or Foreign Language (FL) sequence</b>	
CIS 250 Intro to Design Software <sup>4</sup>	3
CIS 260 Intro to Media Resources <sup>4</sup>	3
<b>Humanities (HU) and Fine Arts (FA)</b>	
COM 123 Public Speaking <sup>3</sup>	3
Select three hours in Fine Arts (FA)	3
Select six hours in Literature (L)	6
<b>Natural Science (N) and Mathematics (MA)</b>	
Select eight hours in Natural Science (N)	8
Select three to four hours in MATH 110 or higher	3-4
<b>History (HI) and Social/Behavioral Sciences (SB)</b>	
Select three hours in History (HI)	3
Select six hours in Social/Behavioral Sciences <sup>1</sup>	6
Select three hours in History or Social/Behavioral Sciences	3
<b>Writing (W) <sup>2</sup></b>	<b>6</b>
<b>Total Hours</b>	<b>53-54</b>

### Footnotes

- <sup>1</sup> Three SB core hours are satisfied by MC 101 Intro To Mass Communic. APR 231 Intro Public Relations can satisfy the other three SB core hours, if not taking APR 241 Intro to Ad and PR instead. Both MC 101 and APR 231 require at least a C-.
- <sup>2</sup> Must earn at least a C- in writing core classes. *Writing core for PR majors without a concentration (two of the three following classes)*: JCM 303 News Writing and Reporting, APR 303 Public Relations Strategy and APR 332 Public Relations Writing; *writing core for the digital communication concentration*: APR 303 Public Relations Strategy and APR 333 Digital Writing and Strategy.
- <sup>3</sup> Must earn at least a C- in COM 123 Public Speaking.
- <sup>4</sup> Must earn at least C- in CIS 250 Intro to Design Software and CIS 260 Intro to Media Resources.

## Public Relations Major

*All courses in the public relations major require at least a C-. Be sure to check course prerequisites to ensure timely progress through the public relations major coursework. Click here for the comprehensive public relations major handout.*

Code and Title	Hours
<b>Foundation Courses:</b>	
MC 101 Intro To Mass Communic	3
JCM 103 Mechanics of Media Writing	1
APR 231 or Intro Public Relations	3

APR 241 Intro to Ad and PR	
APR 280 Intro to Audience Analysis	3
APR 290 Intro to Channels and Msg	3
APR 300 or Basic Principles of Design	3
APR 325 Social and Digital Media	
APR 303 Public Relations Strategy	3
<b>Intermediate Courses:</b>	
JCM 303 News Writing and Reporting	3
APR 332 Public Relations Writing	3
Two APR 400-level or MC 400-level electives	6
<b>Capstone Courses:</b>	
One course chosen from MC 401, APR 451, APR 452 or APR 453	3
APR 433 Public Relations Campaigns	3
<b>Total Hours</b>	<b>37</b>

### Footnotes

- <sup>1</sup> APR 280 Intro to Audience Analysis requires CIS 260 Intro to Media Resources as a corequisite.

## Minors for Students Majoring in Public Relations

The A+PR department requires each of its students to complete a minor. Public relations students may not choose a minor in the Department of Advertising and Public Relations. Additionally, public relations students cannot minor in news media or sports media. Public Relations students minor in such diverse areas as communication studies, general business, political science, art, psychology, history, mathematics, cultural studies, and languages such as Chinese, Japanese, Russian and Spanish. A minor is not required if the student pursues a second major.

## A+PR Department Requirements

Students are asked to make special note of the following Department of Advertising and Public Relations requirements.

### Student Responsibility

As an A+PR student, you are here to become a leader – to shape the future of global advertising and public relations in a socially conscious manner. You are here to do the extraordinary, not just what is expected. The faculty expects you to be passionate about your work, fluent in your discipline and engaged as a learner. We are your partners in these endeavors.

It is the student's responsibility to understand the requirements for the advertising major or minor and to seek the advice of their assigned advisor when choosing coursework. Public relations students receive advisor assignments from Tisch Student Services & External Relations soon after they declare the public relations major via DegreeWorks or they may go to 190 Phifer or email [tischstudentserv@ua.edu](mailto:tischstudentserv@ua.edu) to request one.

### Prerequisites

A number of courses within and outside the department require other courses as prerequisites. A student who registers for any course without satisfying the proper prerequisites will be required to drop the course. Before registering, students are advised to review course descriptions for prerequisites and other requirements.

### Minimum Grade Requirement

A grade of C- or higher is required in all courses counted in the public relations major or minor. In addition, grades of C- or higher must be

earned in all required external courses, including those established as prerequisites for courses in the public relations major or minor and those required directly in the major or minor. In keeping with University policy, when a course is taken more than one time, each enrollment will be counted in the cumulative hours attempted and used in computation of the grade point average, but only the final enrollment may count as credit toward the degree.

### Minimum Grade Point Average

A 2.0 or higher overall grade point average is required of all students who have earned 45 hours or more of college credit and wish to transfer into the college. A student must have an overall grade point average of 2.0 or higher in order to register for any 300-level or higher-numbered course in the Department of Advertising and Public Relations.

### Digital Communication Concentration

The 15-hour digital communication concentration will prepare students for public relations careers in the digital communication industry. **All courses in the digital communication concentration and in the public relations core courses require at least a C-.** Be sure to check course prerequisites to ensure timely progress through the digital communication concentration and public relations major. Click here for the comprehensive public relations major handout, which contains more details about this concentration.

Digital Communication Concentration Courses		Hours
APR 300	Basic Principles of Design	3
APR 325	Social and Digital Media	3
APR 333	Digital Writing and Strategy	3
APR 430	Advanced Digital Marketing	3
One APR 400-level or MC 400-level elective		3
<b>Total Hours</b>		<b>15</b>

PR Major Core Courses		Hours
MC 101	Intro To Mass Communic	3
JCM 103	Mechanics of Media Writing	1
APR 231 or APR 241	Intro Public Relations Intro to Ad and PR	3
APR 280	Intro to Audience Analysis <sup>1</sup>	3
APR 290	Intro to Channels and Msg	3
APR 303	Public Relations Strategy	3
Two capstone courses:		
One course chosen from MC 401, APR 451, APR 452 or APR 453		3
APR 433	Public Relations Campaigns	3
<b>Total Hours</b>		<b>22</b>

#### Footnotes

<sup>1</sup> APR 280 Intro to Audience Analysis requires CIS 260 Intro to Media Resources as a corequisite.

Graduates find employment at public relations and advertising agencies, the public relations or promotional departments of businesses, industries and government agencies, and with traditional and nontraditional media outlets.

### Types of Jobs Accepted

Our graduates work as account executive assistants, brand ambassadors, brand managers, client services managers, social media

managers, community affairs specialists, company event planners, publicists and digital marketing specialists.

### Jobs of Experienced Alumni

Owners, presidents & CEOs of public relations agencies, vice president–corporate communication, shareholder relations, media relations, professors, account executives, etc.

Learn more about opportunities in this field at the Career Center

### Department of Communication Studies

Communication studies majors may choose from COM courses that meet the general requirements for the major, or they may focus their choices in one of the following areas of study: rhetoric and public discourse, interpersonal communication, organizational leadership, or communication and culture. Graduating with a degree in communication studies, students may pursue an array of professions, such as teaching, lobbying, human resources, sales, social work, the ministry, special events planning, or speech writing, or they may advance to graduate study in such fields as communication, education, management, or law.

- Major
  - Communication Studies, BA (p. 597)
- Minors
  - Communication Studies (p. 600)
  - Leadership Communication (p. 601)

#### Chair

- D'Silva, Margaret U.

#### Professors

- Bennett, Beth S.
- D'Silva, Margaret U.
- Gaines, Robert N.
- Nelson, Mark D.

#### Associate professors

- Bagley, Meredith
- Boylorn, Robin M.
- Carmack, Heather
- Chilcutt, Alexa S.
- Griffin, Darrin
- Hartley, Sara
- Meares, Mary M.
- Pederson, Joshua

#### Assistant professors

- Becker, Jennifer
- Brooks, Adam Sharples
- Butler, Sim
- Harris, Nikita Y.
- Jensen, Peter
- LeFebvre, Leah
- Ohl, Jessy
- Parsons, Caroline
- Peacock, Cynthia
- Pyle, Benjamin

**Senior Instructor**

- Billings, Angela

**Instructor**

- Harrison, Cory Paul

**Professor emeritus**

- Harris, Thomas

**Associate professor emeritus**

- Thompson, Frank M., Jr.

**COM100 Rhetoric And Society**

HU

Hours 3

The impact of public discourse on the ideas and issues of culture and history. Offered in the fall semester. HU designation for university core curriculum.

Humanities

**COM101 Principles Human Communication**

SB

Hours 3

General introduction to communication studies as a way of understanding how humans coordinate social meaning and achieve communicative goals. The focus is on identifying the foundation of human communication and the functions of communication in everyday situations. Offered in the spring semester. SB designation for university core curriculum.

Social and Behavioral Sciences

View All Courses

**Faculty****Chair**

D'Silva, Margaret U.

**Professors**

Bennett, Beth S.

D'Silva, Margaret U.

Gaines, Robert N.

Nelson, Mark D.

**Associate professors**

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Billings, Angela

**Instructor**

Harrison, Cory Paul

**Professor emeritus**

Harris, Thomas

**Associate professor emeritus**

Thompson, Frank M., Jr.

## Communication Studies, BAC

Courses in this discipline offer the knowledge and skills that are essential to becoming a leader in a complex world. Students learn to analyze, evaluate, and critique human communication practices in a variety of contexts. They also develop the intellectual resources needed to articulate their own ideas and to communicate them effectively with others.

## Co-Curricular Student Activities

The department supports a diversified program of co-curricular student activities in competitive speaking and individual events, argument, and debate and in peer consulting through the *Speaking Studio*. Members of the *Alabama Forensic Council* participate in regional and national intercollegiate competitions. Students in the *Alabama Debate Society* participate in high school debate outreach as well as exhibitions. Students in the Public Speaking Program may compete for the *Oscar Newton Outstanding Speaker Prize*, as well as for the coveted *Holle Award for Excellence in Public Speaking*. Majors who meet the requirements for membership in *Lambda Pi Eta* are invited to join the honor society and to participate in its service activities.

## Accelerated Masters Program (AMP) in Communication Studies

**Open only to eligible UA communication studies majors** -- students admitted into this program are able to earn both the BAC and MA in communication studies at The University of Alabama in five years. For the highly motivated and academically gifted student, this program offers several distinct advantages:

- Faster, more economical plan of study than earning the two degrees separately
- Richer undergraduate degree experience, fewer unrelated core courses, and more courses in the communication studies major
- Stronger mentoring relationship with the communication studies faculty
- Greater opportunity to develop understanding of the field in preparation for advanced graduate study

Students may apply for admission into this program, after completing 90 semester hours with a 3.3 GPA or better, through the Graduate School

admission process. Admission to the Graduate School will be granted if the student has (a) met all the admission criteria for the graduate program, (b) completed three-fourths of the hours required for the major and the minor, and (c) been recommended for admission by the department. Upon admission to the Graduate School, the student will be allowed to take graduate-level courses and begin a program of study leading to the Master of Arts in communication studies. Once enrolled in AMP, communication studies students may count up to 10 hours of credit dually (toward both degrees).

## Core Curriculum and General Education Requirements

Communication Studies majors must complete a total of 120 hours for graduation; no more than 45 hours in Communication Studies (COM) may be counted toward the total 120 hours required for graduation.

Core Curriculum and General Education Requirements for the COM major include a 6-credit sequence in History (HY), not a 6-credit sequence in Literature (L). COM courses with Core designations may also fulfill requirements in Humanities (HU) and/or Social/Behavioral Sciences (SB). The full General Education requirements for the COM major are listed here:

General Education Requirements	Hours
<b>Freshman Composition (FC)</b>	
EN 101 English Composition (or by exam or equivalent)	3
EN 102 English Composition (or by exam or equivalent)	3
<b>Humanities (HU) and Fine Arts (FA)</b>	
Fine Arts (FA)	3
Literature (L)	3
Humanities (HU)	6
May include the following:	
COM 100 Rhetoric And Society <sup>1</sup>	
COM 122 Critical Decision Making <sup>1</sup>	
or	
COM 121 Crit Decisn Makng Honors	
COM 123 Public Speaking <sup>1</sup>	
or	
COM 124 Honors Public Speaking	
COM 210 Oral Interpretn Literatr <sup>1</sup>	
Credit Hours Subtotal:	18
<b>Natural Science (N) and Mathematics (MA)</b>	
Natural Science (N)	8
Mathematics (MA)	3
Credit Hours Subtotal:	11
<b>History (HI) and Social/Behavioral Sciences (SB)</b>	
History Sequence (HI)	6
Social/Behavioral Sciences (SB)	6
May include the following:	
COM 101 Principles Human Communication <sup>1</sup>	
COM 220 Interpersonal Communication <sup>1</sup>	
or	
COM 219 Honors Interpersonal Comm	
Credit Hours Subtotal:	12
<b>Pre-major Requirements</b>	
COM 100 or Rhetoric And Society	3

COM 101 Principles Human Communication	
Foreign Language (FL) or Computer Science (CS)	6-8
Credit Hours Subtotal:	9-11
<b>W-designated Courses in the Major</b>	
Select a minimum of six hours of the following: <sup>2</sup>	6
COM 300 Human Communication Research	
COM 310 Rhetorical Criticism	
COM 341 Rhetoric & Amer Politics	
COM 342 Rhetoric Social Protest	
COM 380 Influence	
COM 413 Communication & Diversity	
COM 415 African American Rhetoric	
COM 450 Adv Organization Communication	
COM 463 Relational Communication	
COM 465 Intercultural Communication	
Credit Hours Subtotal:	6
<b>Total Hours</b>	<b>56-58</b>

### Footnotes

- <sup>1</sup> These courses are cross-listed as meeting core requirements as well as the major.
- <sup>2</sup> Select a minimum of six hours of COM Writing courses (W), at least three hours of which must be either COM 300 Human Communication Research or COM 310 Rhetorical Criticism.

## Communication Studies Major

Communication Studies majors must complete a minimum of 36 hours in COM courses, as outlined below. A minimum of 21 of the 36 hours in the major (COM) should be completed in upper division (300 or 400-level) courses.

The program of instruction should be planned in consultation with a professional and faculty advisors and must include COM 499 Capstone Seminar, for a total of 15 hours in requirements and a minimum of 21 hours in elective COM courses.

Requirements for a Major in Communication Studies	Hours
<b>Foundational Requirement - 3 hrs. <sup>1</sup></b>	
COM 100 or Rhetoric And Society	3
COM 101 Principles Human Communication	
<b>Foundation in Oral Performance - 3 hrs.</b>	
COM 122 or Critical Decision Making	3
COM 121 Crit Decisn Makng Honors	
or	
COM 123 Public Speaking	
or	
COM 124 Honors Public Speaking	
or	
COM 104 Forensics	
<b>Additional Oral Performance Requirement - 3 hrs.</b>	
COM 210 or Oral Interpretn Literatr	3
COM 323 Advanced Public Speaking	
or	
COM 348 Argumentation	
or	

COM 123	Public Speaking	
or		
COM 124	Honors Public Speaking	
or		
COM 122	Critical Decision Making	
or		
COM 121	Crit Decisn Makng Honors	
or		
COM 104	Forensics	

**Methods Requirement - 3 hrs.**

COM 300 or	Human Communication Research	3
COM 310	Rhetorical Criticism	

**COM Electives - see Suggested Areas of Emphasis below** <sup>4</sup> **21**

**Capstone Requirement** <sup>2, 3</sup>

COM 499	Capstone Seminar (may not enroll before completing either COM 300 or COM 310)	3
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**Total Hours** **36**

**Footnotes**

<sup>1</sup> **NOTE: Although not required, the department strongly recommends that Communication Studies majors take both COM 100 Rhetoric And Society and COM 101 Principles Human Communication.**

<sup>2</sup> Intended to be taken in the final semester of coursework

<sup>3</sup> May not be taken prior to the completion of a theory foundation/ method and analysis course combination, either COM 100/COM 310 or COM 101/COM 300

<sup>4</sup> Students need to take their second W-designated course in their COM electives.

## COM Elective Emphasis Areas

Through the selection of elective courses, Communication Studies majors may choose to emphasize one of the following focused areas of study: rhetoric and public discourse, communication and culture, interpersonal communication, or organizational leadership. Communication Studies majors do not have to select an area of emphasis for their elective coursework; however, they are encouraged to plan their individual programs of study with the guidance of their academic advisor. The courses listed below for each of these areas are recommendations, not requirements.

### Rhetoric and Public Discourse

This emphasis area focuses on argumentation, the effective construction and critical analysis of persuasive public messages, and the role of rhetoric in constructing, sustaining, or changing the political, social, or cultural order. This area also focuses on communication theories and practices evident in public (political, social, cultural) discourse, artifacts, and campaigns. Attention is given to such areas of analysis and practice as public speaking, argumentation and debate, and the role of media in various public contexts. The area is an ideal pre-professional emphasis for students interested in careers in the legal profession, and this emphasis area is one means of helping pre-law students prepare broadly for that career. Recommended minors for students who choose this emphasis area include American Studies, Creative Media, Criminal Justice, English, Gender and Race Studies, History, News Media, Philosophy, or Political Science.

Code and Title	Hours	
COM 301	Intro Rhetorical Theory	3
COM 323	Advanced Public Speaking	3

COM 341	Rhetoric & Amer Politics	3
COM 342	Rhetoric Social Protest	3
COM 348	Argumentation	3
COM 380	Influence	3
COM 415	African American Rhetoric	3
COM 421	Political Communication	3
COM 422	Communication and the Law	3
COM 425	Gender & Political Communctn	3
COM 467	Seminar in Public Address	3
COM 480	Propaganda	3

### Communication and Culture

This emphasis area explores public communication in a wide variety of contexts and settings. The focus is on the influence of rhetoric and visual communication on individuals, communities, and the larger social world. Students interested in careers involving community or social change or human services (e.g., the ministry), or in postgraduate study in communication studies or media studies should consider this emphasis. Recommended minors for students who choose this emphasis area include Anthropology, Advertising and Public Relations, American Studies, Apparel and Textiles, Art History, Creative Media, English/ Creative Writing, Gender and Race Studies, International Studies, Modern Languages, News Media, Religious Studies, or Theatre.

Code and Title	Hours	
COM 210	Oral Interpretn Literatr	3
COM 250	Nonverbal Communication	3
COM 270	Discourse of Sport	3
COM 320	Truth, Ethics, and Deception	3
COM 340	Rhetoric & Popular Culture	3
COM 366	Visual Culture & Communication	3
COM 380	Influence	3
COM 413	Communication & Diversity	3
COM 415	African American Rhetoric	3
COM 462	Theories Of Persuasion	3
COM 465	Intercultural Communication	3
COM 469	Communication & Gender	3

### Interpersonal Communication

The focus of this area is on knowledge and skills vital to successful interpersonal communication in personal, family or group, and organizational or professional settings. Emphases include social, cognitive, and cultural influences on personal and professional interaction and such skills as conflict resolution, small group problem solving, effective interviewing, and intercultural communication. It is appropriate for students interested in professional and administrative careers in business, educational or human services, and media organizations. Recommended minors for students who choose this emphasis area include Advertising and Public Relations, Consumer Sciences, Creative Media, Economics, General Business, Human Development and Family Studies, International Studies, Management, News Media, Psychology, Real Estate, Sociology, Social Welfare or World Business.

Code and Title	Hours	
COM 220	Interpersonal Communication	3
COM 225	Small Group Communicatn	3
COM 250	Nonverbal Communication	3

COM 320	Truth, Ethics, and Deception	3
COM 330	Family Communication	3
COM 413	Communication & Diversity	3
COM 430	Dark Side of Interpersonal Comm	3
COM 460	Group Leadership	3
COM 463	Relational Communication	3
COM 465	Intercultural Communication	3
COM 469	Communication & Gender	3

## Organizational Leadership

This emphasis area focuses on the development of communication skills applicable for leading small groups and organizations and strengthening individual professional communication. These elective courses work to combine the application of communication theory with practical skills for those who aspire for leadership roles in educational, professional, corporate, non-profit, or political careers by providing the opportunity to develop those skills with diverse groups of people and in different contexts.

Code and Title	Hours
COM 225 Small Group Communicatn	3
COM 270 Discourse of Sport	3
COM 350 Organizatnl Communicatn	3
COM 352 Business Prof Communication	3
COM 380 Influence	3
COM 413 Communication & Diversity	3
COM 422 Communication and the Law	3
COM 450 Adv Organization Communication	3
COM 455 Leadership & Strategic Comm	3
COM 460 Group Leadership	3
COM 462 Theories Of Persuasion	3
COM 465 Intercultural Communication	3
COM 469 Communication & Gender	3

The mission of the communication studies program is to prepare students to be competent communicators in their personal, civic, and professional roles. Learning outcomes of the program aim to foster their abilities to think critically, to express and to advocate ideas effectively, and to understand and to appreciate the diversity of human communication practices. The major emphasizes the connections between thought, action, and public participation, studying theory and practice in the areas of rhetoric, persuasion, political communication, interpersonal communication, organizational leadership, and culture.

Majoring in communication studies, therefore, prepares students for a variety of professions that value knowledge and skills in human communication. Students who graduate with degrees in communication studies are equipped with both theoretical and practical knowledge of human communication and can enter a new career confident in their ability to communicate ideas with clarity and effectiveness to others, a skill that opens doors in any professional field.

## Types of Jobs Accepted

Career opportunities most frequently sought by communication studies majors are in law, education, politics, public relations, management, ministry, sales, training, and development.

Learn more about opportunities in this field at the Career Center

## Faculty

### Professors

Beth S. Bennett  
Robin Boylorn  
Margaret D'Silva  
Mark D. Nelson

### Associate professors

Meredith Bagley  
Heather Carmack  
Darrin Griffin  
Sara Hartley  
Leah LeFebvre  
Mary M. Meares  
Jessy Ohl

Joshua R. Pederson

### Assistant professors

Jennifer Becker  
Anneliese Bolland  
Adam Sharples Brooks  
Sim Butler  
Nikita Y. Harris  
Peter R. Jensen  
Caroline S. Parsons  
Cynthia Peacock  
Ben Pyle

### Senior Instructor

Angela Billings

### Chair

Margaret D'Silva

### Professor emeritus

Thomas Harris

### Associate professor emeritus

Frank M. Thompson, Jr.

### Adjunct assistant professors

Jane S. Baker  
Dan Mangis

## Communication Studies, Minor Admission into the Minor

Students are expected to declare their minor officially in DegreeWorks, before or during the third year of full-time enrollment. Once declared, COM minors may seek advising assistance for selecting electives appropriate for their major course of study from Tisch Student Services academic advisors for the College or from the departmental undergraduate program coordinator in communication studies.



A minor in communication studies may be earned online by students registered as distance learners.

The minor in Communication Studies requires 18 hours of coursework in the department, including COM 100 Rhetoric And Society or COM 101 Principles Human Communication and at least six hours of upper-division courses (at the 300 or 400 level). A grade of C- or higher is required in all Communication Studies (COM) courses counted toward the minor.

Code and Title	Hours
<b>Minor Courses</b>	
COM 100 or Rhetoric And Society	3
COM 101 Principles Human Communication	
COM electives at the 300- or 400-level	6
COM electives	9
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required for completion of the degree. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA. Please see the Grades and Grade Point Average (GPA) section of this catalog for an explanation of grade point average calculations.

## Upper-level Residency

A minimum of six hours of upper-division courses, at the 300- or 400-level, in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

A grade of C- or higher is required in all Communication Studies courses counted toward the minor. Students are responsible for ensuring that they have met all University, College, major and minor requirements.

Students minoring in Communication Studies may ask to meet with an adviser in Tisch Student Services or with the departmental Undergraduate Program Coordinator in Communication Studies for academic planning in the minor or to be cleared for registration purposes.

## Leadership Communication, Minor

Offered by the Department of Communication Studies, this 18 credit hour minor is designed to focus on courses that foster both understanding and development of leadership communication skills. This minor combines the application of communication theory with practical skills and provides students with the opportunity to develop their own personal communication skills with diverse groups of people and in different contexts.

Minor in Leadership Communication	Hours
One performance course:	
COM 122 or Critical Decision Making	3
COM 121 Crit Decisn Makng Honors or	
COM 123 Public Speaking or	
COM 124 Honors Public Speaking	
One of these courses:	
COM 220 or Interpersonal Communication	3

COM 219 Honors Interpersonal Comm or	
COM 225 Small Group Communicatn or	
COM 250 Nonverbal Communication	
Each of the following:	
COM 320 or Truth, Ethics, and Deception	3
COM 380 Influence	
COM 350 Organizatnl Communicatn	3
COM 413 or Communication & Diversity	3
COM 469 Communication & Gender	
COM 455 or Leadership & Strategic Comm	3
COM 460 Group Leadership	
<b>Total Hours</b>	<b>18</b>

## Department of Journalism & Creative Media

The Department of Journalism & Creative Media offers undergraduate degrees in news media and creative media, as well as three minors open to students from all academic colleges across the University. JCM also has one master's of arts degree in Journalism which can be completed either online or on-campus. On-campus students have an option of a two year thesis track or a one year professional track focusing on community journalism, which partners with the Anniston (AL) Star and WVUA 23/ Alabama Public Radio in Tuscaloosa.

The field of journalism is about gathering, analyzing and communicating important information in a meaningful way. News Media majors can take classes in areas including electronic reporting, visual and multimedia journalism, and specialized writing classes. These students can also declare a concentration in sports media.

The major of Creative Media focuses on the film industry, examining how to write, produce, edit and critique fictional and non-fictional material. Creative Media majors can take classes in media production, production management, critical studies in film and television, and fiction/nonfiction filmmaking.

For more information about the specific programs, click the links below or visit [jcm.ua.edu](http://jcm.ua.edu).

- Majors
  - News Media, BA (p. 603)
  - Creative Media, BA (p. 606)
- Minors
  - News Media (p. 605)
  - Creative Media (p. 607)
  - Sports Media (p. 607)
  -

## Minors, Second Majors and Electives

Popular minors and second majors are found in the following areas: American Studies, Anthropology, Art, Classics, Communication Studies, Consumer Sciences, Creative Writing, Criminal Justice, Dance, Economics, English, Foreign Language, General Business, History, Human Development and Family Studies, Philosophy, Political Science, Psychology, Religion, Sociology, Theater and Women's Studies. The department encourages second majors where possible, especially within the College of Arts & Sciences.

## Grades

To receive credit toward graduation, a student must receive a C- or higher for all courses in the College of Communication & Information Sciences. Students must have an overall grade point average of 2.0 to enroll in upper division courses in the College.

## Major Status

Students should declare their major and minor as soon as possible by completing the Change of Major/Minor Application online under the Student tab of myBama.

## Advising Assistance

Freshmen and sophomores (students with 60 hours or less) will be assigned professional advisers in Tisch Student Services, and upperclassmen will be assigned individual faculty advisers who will be listed in DegreeWorks. Students should use DegreeWorks to check their progress and make academic plans to help them graduate on time. The formal advising period occurs during registration each semester; however, if questions or special problems arise, students may make appointments with their academic adviser or contact the departmental office at any time during the semester.

### Professors

- Armstrong, Cory (Chair)
- Billings, Andrew C.
- Bissell, Kimberly
- Bragg, Rick
- Evans, William
- Lowrey, Wilson

### Associate Professors

- Bragg, Dianne
- Britt, Rebecca
- Bruce, Michael D.
- Daniels, George
- Parrott, Scott
- Raimist, Rachel
- Roberts, Christopher
- Warner, Kristen J.

### Assistant Professors

- Barnidge, Matthew
- Bauer, AJ
- Clark, Chandra
- Colvin, Brandon
- Levine, Jeremy
- Maddox, Jessica
- Miller, Kaitlin
- Palmer, Landon
- Panek, Elliot
- Vesey, Alyxandra

### Instructors

- Anderson, Lars
- Arenberg, Tom
- Champion, Maya
- Cummings, Meredith
- Gawrych, Teresa

- Lawson, David
- Mayfield, Mark

### Lecturers

- Brantley, Chip
- Grace, Andrew B.

### Professors Emeriti

- Brown, James A.
- Bryant, Jennings
- Mullins, Edward
- Singleton, Loy
- Sloan, W. David
- Zillmann, Dolf

### JCM100 Introduction to Story

SB

Hours 3

Introduction to story introduces students to narrative structure across a variety of media including film, television, news, documentary, and emerging media.

Social and Behavioral Sciences

### JCM180 Journalistic Principles and Practices

Hours 3

This introductory survey course gives students a first look at the history and professional practices of journalism and electronic news by examining both legacy and contemporary media.

[View All Courses](#)

## Faculty

### Professors

Armstrong, Cory (Chair)

Billings, Andrew C.

Bissell, Kimberly

Bragg, Rick

Evans, William

Lowrey, Wilson

### Associate Professors

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Britt, Rebecca

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Brantley, Chip  
 Grace, Andrew B.

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Brown, James A.  
 Bryant, Jennings  
 Mullins, Edward  
 Singleton, Loy  
 Sloan, W. David  
 Zillmann, Dolf

## News Media, BA

In a digital age, information is increasingly important to all professions, but it is truly at the heart of the journalism industry. The news media major stresses the gathering, analysis, and communication of information for all kinds of audiences. Students learn the many ways information is produced by journalists, from the traditional practices of professional news outlets to the emerging practices of media start-ups.

News Media students gain expertise in writing, editing, design, broadcasting, visual communication, videography, multimedia production, history, law, and ethics. They learn to produce journalism for a variety of topics, from politics and social issues to sports, food, fashion, and travel. The program's graduates are prepared for jobs in the journalism industry and for jobs in many other professions. Employers of all sorts, from business to law to education, are desperate for employees who can write well, visualize ideas, search for supporting evidence, and organize information in engaging and clear ways. A news media degree gives graduates these skills.

The volume of information in our highly mediated society can be overwhelming, and it is the journalist who ensures that the information we get is trustworthy. While the communication skills and liberal arts knowledge that news media majors gain is valuable for their future careers, it's also crucial to good citizenship. As our majors learn to produce the news, they also learn to think critically and ethically about the role that news plays in society.

In classes, laboratories, and campus media, News Media students emphasize the knowledge, values, and skills of journalism: compelling storytelling, strong writing, accurate reporting, sensitive editing, artful presentation, and racial, ethnic and cultural diversity. News Media majors also value critical thinking, teamwork, integrity, public service, the First Amendment, and the appreciation for the free flow of information in a democratic society. The JCM department encourages dual majors when possible and advises that all majors complete internships, work in campus media, and develop relationships with WVU and the Digital Media Center.

## Accelerated Master's Program in Journalism/News Media

News Media majors admitted into this program will be able to earn both the BA in News Media and MA in Journalism at The University of Alabama in five years. For the highly motivated and academically gifted student, this program offers a faster, more economical plan than earning the degrees separately; a richer undergraduate experience and more courses in the major; and a stronger mentoring relationship with the faculty. Please contact the department for more information.

News Media majors must complete 120 hours for graduation, 43 of which are within the major as outlined below.

In addition to the general education requirements in the University Core curriculum, news media majors are required to complete 13 hours of JCM core classes and an additional 24 credits of the news media core classes. The final six credits for the major can be any 300-400-level class within JCM, following all pre-requisite rules as listed in the course catalog. Students also must complete a minor or a second major. News Media majors may not complete a minor offered by the Department of Journalism & Creative Media or by the Department of Advertising and Public Relations.

## Core Curriculum and General Education Requirements

Written Composition (6 credits)		Hours
EN 101	English Composition	3
EN 102 or EN 103	English Composition (if eligible or by exam) Advanced English Composition	3
Credit Hours Subtotal:		6
Foreign Language or Computer Science (8 or 6 credits)		Hours
Foreign Language (FL) <sup>1</sup>		8
Computer Science (CS) <sup>1, 2</sup>		6
Humanities, Literature, and Fine Arts (12 credits)		Hours
Fine Arts (FA)		3
Literature (L) <sup>3</sup>		3
Humanities (HU) or (L) or (FA) <sup>3</sup>		6
History and Social/Behavioral Sciences (12 credits)		Hours
MC 101	Intro To Mass Communic	3
History (HI) <sup>3</sup>		3
History (HI) or Social/Behavioral Sciences (SB) <sup>3</sup>		3

<b>Natural Science and Mathematics (11 credits)</b>	<b>Hours</b>
Natural Sciences (must include labs)	8
MATH 110 or Finite Mathematics	3
MATH 112 Precalculus Algebra	

<b>Writing (W)</b>	<b>Hours</b>
Writing (W) <sup>4</sup>	6

**Footnotes**

<sup>1</sup> Writing requirement fulfilled by upper level JCM courses. JCM majors do not need to take additional (W) courses.

<sup>2</sup> Students must complete either CS or FL for core requirements.

<sup>3</sup> News media students completing the computer requirements are encouraged to take JCM 202.

<sup>4</sup> Students must complete either a HI or L sequence.

**JCM Department Core (7 credits)**

**All students are required to take the following department core courses:**

<b>JCM Department Core (7 hours)</b>	<b>Hours</b>
JCM 102 Intro to Med. Content Creation	3
JCM 103 Mechanics of Media Writing	1
JCM 493 or Ethics and Diversity in Media <sup>5</sup>	3
JCM 496 Ethics in Sports Journalism	
or	
JCM 467 Ethics in Film and TV	
<b>Total Hours</b>	<b>7</b>

**Footnotes**

<sup>5</sup> News Media majors are encouraged to take JCM 493 or JCM 496.

<b>News Media Core</b>	<b>Hours</b>
MC 101 Intro To Mass Communic	3
JCM 499 or Digital News Capstone	3
JCM 484 Sports Portfolio	
<b>Skills</b>	<b>12</b>
JCM 180 Jou. Principles and Practices	
JCM 303 News Writing and Reporting	
JCM 315 Adv. News Writing	
or	
JCM 325 Sports Writing and Reporting	
JCM 331 Intro to Electronic Reporting	
<b>Concepts</b>	<b>6</b>
MC 401 Mass Comm Law & Regultn	
MC 409 or History Mass Communctn	
JCM 448 News Analysis	
or	
JCM 494 Global Media Systems	
or	
JCM 372 Media Effects	
or	
MC 426 Race, Gender and Media	
or	
MC 431 Sports & Social Media	
or	

MC 446 Issues in Sports Media	
or	
MC 464 Sports Media Research	

Students must complete one of the two-course sequences below 6

**Specialized Writing**

JCM 429 Food Writing and Reporting (and)	
JCM 442 Specialized Magazine Writing	

**Visual Journalism**

JCM 327 Visual Journalism	
JCM 426 Adv. Design and Visualization	

**Public Affairs Reporting**

JCM 411 Depth Reporting and Writing (and)	
JCM 485 Com News in Dig World	

**Management and Entrepreneurship**

JCM 451 News Media Management (and)	
JCM 458 Entrepreneurial Journalism	

**Digital News**

JCM 333 Working for Television News (and)	
JCM 490 Electronic News Producing	
or	
JCM 326 TV and Radio Performance	

**Total Hours** 30

**Electives (6 credits)**

<b>Code and Title</b>	<b>Hours</b>
Students are encouraged to take JCM or MC 300-400 classes that connect to their chosen sequence to meet their elective requirement, assuming that pre-reqs for those courses are met at the time of enrollment.	6

**Total Hours** 6

**Sports Media Concentration**

Students planning on completing the sports media concentration must officially declare the concentration on myBama. Students in the sports media concentration will be required to complete six hours of specified major electives and a six-hour course sequence in either Digital Sports are Sports Writing. These 12 hours are completed within the news media major for a total of 43 hours. Additionally, students with a sports media concentration are encouraged to take specific courses in the news media core. These requirements are outlined below:

**Sports Media Concentration** Hours

**Recommended Course Selections in the News Media Core:**

JCM 325 Sports Writing and Reporting <sup>1</sup>	
JCM 496 Ethics in Sports Journalism <sup>2</sup>	
JCM 484 Sports Portfolio <sup>3</sup>	

Concept Courses:

MC 446 or Issues in Sports Media	
MC 431 Sports & Social Media	
or	
MC 464 Sports Media Research	

**12 concentration hours as noted below:**

JCM 146 Intro to Sports Communication	3
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Students must complete one of the two course sequences below 6

**Digital Sports**

JCM 425 Digital Sports Coverage

JCM 435 Sports Documentary  
or

JCM 328 Sports Announcing

**Sports Writing**

JCM 444 Adv. Sports Reporting

JCM 445 Analysis of Sports Writing

**One of the following courses** 3

Students cannot double count courses in this concentration.

MC 431 or Sports &amp; Social Media

JCM 328 Sports Announcing  
orJCM 333 Working for Television News  
orJCM 425 Digital Sports Coverage  
orJCM 435 Sports Documentary  
orJCM 382 News Media Internship  
orJCM 444 Adv. Sports Reporting  
orJCM 445 Analysis of Sports Writing  
orJCM 462 Motion Graphics  
or

MC 431 or Sports &amp; Social Media

MC 446 or Issues in Sports Media

MC 464 or Sports Media Research

PHL 256 or Philosophy of Sport

APR 429 or Sport, Publicity and Promotion

RHM 338 Sport Mktng and Promotion

**Total Hours** 12**Footnotes**<sup>1</sup> Instead of JCM 315 Adv. News Writing<sup>2</sup> Instead of JCM 493 Ethics and Diversity in Media<sup>3</sup> Instead of JCM 499 Digital News Capstone**Professional Experience**

News Media students should seek a variety of media work experience, exploring opportunities at the campus newspaper and magazines, digital publications, WVUA-TV, campus radio stations, literary magazines, departmental and alumni newsletters and magazines, and in University communications and sports information offices. Students are strongly encouraged to seek internships with professional media organizations throughout their study at UA. The Department of Journalism & Creative Media has ongoing internship programs with The Tuscaloosa News, WVUA-TV and several other local media outlets. Internships may be completed for academic credit when the student has completed 45 semester hours and JCM 303 News Writing and Reporting with a C- or better. Job and internship listings are posted on the college internship website and outside the departmental office. An internship before senior year makes students more marketable when they graduate.

**Career Options for News Media Majors**

Graduates can work as writers, reporters, television anchors, editors, photographers, designers, broadcasters, producers and content managers at newspapers, magazines, digital publications, television stations, wire services and book publishers. Many also work in public relations, corporate communications, electronic news, political communication or enter law school or graduate school.

**Types of Jobs Accepted**

Recent graduates have accepted positions as reporters, covering sports, news, features and business in television, web and/or print outlets. Others have found jobs as editors, writers and designers at lifestyle and specialty magazines. One of the fastest-growing segments for jobs is online media, including outlets connected with newspapers, magazines and television stations, as well as web-only publications. Our top students, especially those who dual major in fields such as political science and communication studies, have been successful in gaining admission to law schools.

**Jobs of Experienced Alumni**

Our alumni hold top positions in media organizations nationally and internationally. Examples include the U.S. Supreme Court reporter for CBS News, the White House reporter for The Chicago Tribune, an online producer at BuzzFeed, a correspondent for The New York Times, the former editor of O Magazine, presidents and CEOs of online news outlets and public relations firms and several television news reporters in Alabama and throughout the Southeast.

Learn more about opportunities in this field at the Career Center

**News Media, Minor**

Students may select a minor in news media, unless they are majors in creative media, advertising, or public relations. The minor in news media requires the successful completion of 19 semester hours listed on the following tab.

News Media minors will take 19 hours of credit. This minor is not available to students in the JCM department, advertising or public relations.

Minor Courses		Hours
MC 101	Intro To Mass Communic	3
JCM 103	Mechanics of Media Writing	1
JCM 180	Jou. Principles and Practices	3
JCM 303	News Writing and Reporting	3
JCM 100-499	Elective	3
JCM 300-499	Elective	6
<b>Total Hours</b>		<b>19</b>

**Grade Point Average**

A 2.0 grade point average in the minor is required. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA. A C- or better is required in all courses in the minor. Please see the Grades and Grade Point Average (GPA) section of this catalog for an explanation of grade point average calculations.

**Upper-level Residency**

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Creative Media, B.A.

Creative Media majors use all types of media to tell stories. Whether the genre is fiction or nonfiction, production or management, writing or video, students in Creative Media learn the skills needed to tell these stories in the most effective way possible. Students also examine the meaning of story and how it influences culture and society, and how culture and society influence the story itself. Students tell their stories through both digital media and social media, and may also study music or video games. Creative Media majors develop technical skills, managerial competence, reasoning ability, and ethical judgment so they can become leaders in the film industry. Our courses reflect a liberal arts and sciences orientation, with a professional focus.

Creative Media majors must complete 120 hours for graduation, 43 of which are within the major as outlined below.

In addition to the general education requirements in the University core curriculum, creative media majors are required to complete 7 hours of JCM core classes and an additional 30 credits of the creative media core classes, as outlined below. The final six credits for the major are electives and can be any 300-400-level class within JCM, following all pre-requisite rules as listed in the course catalog. Students also must complete a minor or a second major. Creative Media majors may not complete a minor offered by the Department of Journalism & Creative Media.

## Core Curriculum and General Education Requirements

	Hours
<b>Written Composition (6 credits)</b>	
EN 101 English Composition	3
EN 102 or English Composition (if eligible or by exam)	3
EN 103 Advanced English Composition	
<b>Foreign Language or Computer Science (8 or 6 credits)</b>	<b>Hours</b>
Foreign Language (FL) <sup>1</sup>	8
Computer Science (CS) <sup>1,2</sup>	6
<b>Humanities, Literature, and Fine Arts (12 credits)</b>	<b>Hours</b>
JCM 112 Motion Picture Hy. and Crit.	3
Literature (L) <sup>3</sup>	3
Humanities (HU) or (L) or (FA) <sup>3</sup>	6
<b>Natural Science and Mathematics (11 credits)</b>	<b>Hours</b>
Natural Science (NS)	8
Mathematics (MATH)	3

<b>History and Social/Behavioral Sciences (12 credits)</b>		<b>Hours</b>
JCM 100	Introduction to Story	3
History (HI) <sup>3</sup>		3
History (HI) or Social/Behavioral Sciences (SB) <sup>3</sup>		6

<b>Writing (6 credits)</b>		<b>Hours</b>
Writing (W)		6

### Footnotes

- <sup>1</sup> Students must select either a (FL) or (CS) sequence.
- <sup>2</sup> Creative media students completing the computer science requirement are encouraged to take JCM 202.
- <sup>3</sup> Students must complete either a (HI) or a (L) sequence (6 credits).

## All JCM students are required to take the following department core courses:

<b>JCM Department Core (7 credits)</b>		<b>Hours</b>
JCM 102	Intro to Med. Content Creation	3
JCM 103	Mechanics of Media Writing	1
JCM 467 or	Ethics in Film and TV <sup>5</sup>	3
JCM 493	Ethics and Diversity in Media	
or		
JCM 496	Ethics in Sports Journalism	

<b>Total Hours</b>	<b>7</b>
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### Footnotes

- <sup>5</sup> Creative Media students are encouraged to take JCM 467 Ethics in Film and TV to fulfill this requirement.

<b>Creative Media Major (30 credits)</b>		<b>Hours</b>
JCM 100	Introduction to Story	3
JCM 497	Business of Film and Video	3
<b>Skills</b>		<b>9</b>
JCM 201	Intro to Media Production	
JCM 202	Intro to Post Production	
JCM 350	Advanced Videography	
or		
JCM 351	Video for Digital Content	

<b>Concepts</b>		<b>9</b>
JCM 112	Motion Picture Hy. and Crit.	
JCM 212	Film and Media Theory	
JCM 311	Critical Study of Television	
or		
JCM 312	International Cinema	
or		
JCM 412	Seminar in American Cinema	
or		
JCM 413	Gender, Music, and Pop Culture	
or		
JCM 414	Films and Ind. Cinema	

Credit Hours Subtotal: 24

<b>Two-Course Sequence</b>	<b>6</b>
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Students must choose one sequence from the list below and take both courses.

### Screen Writing

JCM 346 Short Film Writing (and)  
or

JCM 347 TV Film Writing

JCM 466 Feature Film Writing

#### Directing

JCM 437 Scene Directing (and)

JCM 438 Directing  
or

JCM 450 Adv. Video Projects

#### Producing

JCM 354 Producing (and)

JCM 454 Advanced Producing

#### Documentary

JCM 318 Documentary Storytelling (and)

JCM 441 Documentary Production

#### Post-Production Tools

JCM 335 Audio Production (and)  
or

JCM 462 Motion Graphics

JCM 433 Advanced Post Production

#### Multicamera Production

JCM 431 Multicamera Production (and)

JCM 477 Production House  
or

JCM 450 Adv. Video Projects

**Total Hours** **30**

**Creative Media Electives (6 credits)** **Hours** **6**

Students are encouraged to take JCM or MC 300-400 elective classes connected to their sequence, assuming pre-reqs for those courses are met at the time of enrollment.

Creative media majors work in television, film, radio and internet, as directors, producers, videographers, editors, documentarians, production managers, lighting designers, film critics, program directors, marketing and promotion directors, technical directors, sound technicians, television critics, media sales reps, scriptwriters, entertainment interviewers, audience analysts, researchers, general managers and production assistants.

## Types of Jobs Accepted

Entry-level jobs include videographers, editors, production assistants, media sales representatives, or office workers in programming or promotion. Authors, filmmakers, directors and producers often start in these jobs as they learn about the film business.

## Jobs of Experienced Alumni

Our alumni hold top positions in media organizations and commonly become television directors, movie producers, national news reporters, and national sports reporters.

Learn more about opportunities in this field at the Career Center

## Creative Media, Minor

A minor in creative media is available to all students except those majoring in news media, advertising, or public relations. The minor requires 18 hours, which are listed on the following tab.

Creative Media minors will take 18 hours of credit. This minor is not available to students in the JCM department, advertising or public relations.

Minor Courses		Hours
JCM 100	Introduction to Story	3
JCM 112	Motion Picture Hy. and Crit.	3
JCM 201	Intro to Media Production	3
JCM 100-499	Elective	3
JCM 300-499	Elective	6
<b>Total Hours</b>		<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA. A C- or better is required in all courses in the minor. Please see the Grades and Grade Point Average (GPA) section of this catalog for an explanation of grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Sports Media, Minor

Sports Media minors will take 19 hours of credit and have the opportunity to select electives that allow for them to study principles, structures, and techniques of the modern sports news industry, or hone skills including writing, broadcasting, or web design. This minor is not available to students majoring in news media, creative media, advertising, or public relations.

Sports Media minors will take 19 hours of credit and have the opportunity to select electives that allow for them to study principles, structures and techniques of the modern sports news industry, or hone skills including writing, broadcasting or web design. This minor is not available to students majoring in the JCM department, advertising or public relations.

Minor Courses		Hours
MC 101	Intro To Mass Communic	3
JCM 103	Mechanics of Media Writing	1
JCM 146	Intro to Sports Communication	3
JCM 303	News Writing and Reporting	3
JCM 325	Sports Writing and Reporting	3
JCM 300-499	Elective (6 credits)	6
<b>Total Hours</b>		<b>19</b>

## Grade Point Average

A 2.0 grade point average in the minor is required. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA. A C- or better is required in all courses in the minor. Please see the Grades and Grade Point Average (GPA) section of this catalog for an explanation of grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## School of Library and Information Studies

### Interim Director

- Prentice, Ann E.

### Professors

- Miller, Steven Kent
- Osburn, Charles B.
- Pitschmann, Louis A.

### Associate Professors

- Bonnici, Laurie
- Embree, Anna
- MacCall, Steven
- Naidoo, Jamie C.
- Weddle, Jeffrey

### Assistant Professors

- Burgess, John
- Riter, Robert
- Sweeney, Miriam
- Sutherland, Tonia

### Adjunct Professor/Internship Coordinator

- Bullock, Sybil

### Instructor

- Yates, Steven

### BA205 Introduction to Book Arts

FA

Hours 3

This course will primarily focus on the history and appreciation of Book Arts traditions and contemporary practices, emphasizing the book as a form of cultural expression. Students will also receive exposure to hands-on technical instruction to understand the evolution of hand-bookmaking practices. Traditional papermaking, letterpress printing, and book binding techniques will be examined in relation to historic book production, modern hand-bookmaking practices, and artistic expression.

Fine Arts

### Faculty

#### Interim Director

Prentice, Ann E.

#### Professors

Miller, Steven Kent

Osburn, Charles B.

Pitschmann, Louis A.

#### Associate Professors

Bonnici, Laurie

Embree, Anna

MacCall, Steven

Naidoo, Jamie C.

Weddle, Jeffrey

#### Assistant Professors

Burgess, John

Riter, Robert

Sweeney, Miriam

Sutherland, Tonia

#### Adjunct Professor/Internship Coordinator

Bullock, Sybil

#### Instructor

Yates, Steven

## College of Community Health Sciences

Department of Family, Internal and Rural Medicine (p. 612)

The University of Alabama College of Community Health Sciences in Tuscaloosa also functions as a regional campus of The University of Alabama School of Medicine (UASOM), providing the clinical years of education to a portion of UASOM medical students. All medical students complete their first and second years at the School of Medicine's main campus in Birmingham and their third and fourth years at any one of UASOM's four campuses – Birmingham, Tuscaloosa, Huntsville, and Montgomery. Upon completion of all four years of medical school, students are awarded the Doctor of Medicine (MD) degree from The University of Alabama School of Medicine.

Medical students completing their clinical years at the Tuscaloosa campus form long-term learning relationships with experienced, practicing physicians and mentors and provide comprehensive care



of patients over time and through different points in their health care journey. A portion of third year clinical rotations are integrated to allow for continuity of patient care. Additionally, students receive elective credit through a unique course that integrates their daily clinical experiences with physician leadership, population medicine, and health policy.

The University of Alabama Family Medicine Residency, which is operated by the College of Community Health Sciences, was founded in 1973 and today is among the oldest and largest such residencies in the country. Through the educational programs of the residency, the College fosters the knowledge, attitudes, and skills necessary to create outstanding physicians capable of providing high-quality, continuing, comprehensive, and patient-centered care. Through its residency, the College also offers fellowship programs for family medicine physicians in obstetrics, hospital medicine, geriatrics, sports medicine, pediatrics, behavioral health, and rural public psychiatry.

## Objectives

A primary responsibility of the College of Community Health Sciences is to contribute to the improvement of the health of Alabama, with an emphasis on primary care, rural communities, and underserved populations. The educational programs of the College are designed to increase the physician workforce, the availability and accessibility of health care, and to improve its quality.

The College:

- Provides the clinical years of medical education and training (third and fourth years) for a portion of medical students enrolled at UASOM.
- Offers a Primary Care track and a Rural Medical Scholars track for medical students enrolled at UASOM
- Offers a Master of Science in Population Health
- Offers a Master of Science in Rural Community Health
- Offers an undergraduate Minor in Rural Community Health
- Operates a Family Medicine Residency
- Works with UASOM to integrate medical education programs with non-medical aspects of health care delivery.
- Provides training sites and internships for students in interprofessional disciplines such as clinical psychology, nursing, social work, pharmacy, clinical dietetics, health education, athletic training, and health care management.
- Offers shadowing and scribe opportunities for pre-med students.
- Makes available expertise in medical and health sciences to undergraduate and graduate education programs at The University of Alabama, and offers courses in medicine and health sciences to enrich University students' education by relating it to health, health care, and the health care delivery system.

## Courses

### CHS220 Health Care in the United States

Hours 3

This course provides an overview of health care organization and delivery in the U.S. The course will examine the foundations of the health care system, system resources, processes within the health care system, outcomes, and the future of health care delivery. Current issues in health care including cost of health care, health care quality, and access to care will be analyzed.

Prerequisite(s): None

### CHS230 Medical Shadowing

Hours 2

This course can be taken by application only. This course will match each student with a physician at University Medical Center or one of our community partners. Students will shadow a physician for one half day per week throughout the semester. Students will gain firsthand knowledge of the practice of medicine in a primary care setting, have frequent opportunities to observe the physician-patient relationship, and explore medicine as a career path. Students will be directed to readings relevant to the patient care matters that they encounter and will document their observations via written reflections. Thirty-five (35) hours of shadowing are required over the course of the semester.

### CHS442 Practical Issues Behav Medicin

W

Hours 3

Lectures and readings will examine behaviors that compromise overall health status (eg, tobacco use, noncompliance) and behavioral aspects of specific medical conditions (eg, heart disease, cancer, pain). Topics will include bioethics, racial/ethnic disparities and rural mental health issues. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course.

Writing

### CHS450 Introduction to Fundamentals of Medicine I

Hours 6

Introduction to Fundamentals of Medicine I is an interdisciplinary course that provides a foundation for understanding the molecular and biochemical basis of cellular processes and whole body physiology, and initiates an appreciation for their impairment during various human diseases.

Prerequisite(s): Admission to Rural Community Health Program and Approval by the Instructor

### CHS451 Introduction to Fundamentals of Medicine II

Hours 6

Introduction to Fundamentals of Medicine II is an interdisciplinary course that provides a foundation basic pharmacology and cellular physiology. The basic principles of pharmacodynamics and pharmacokinetics will be followed by an introduction to autonomic nervous system pharmacology that will serve as a basis for understanding the pharmacologic treatment of diseases.

Prerequisite(s): Admission to Rural Community Health Program and Approval by the Instructor

### CHS497 Undergraduate Research

Hours 1-4

This course provides students with exposure to the research process and the opportunity to conduct independent work on a research project under faculty supervision, in the areas of medicine, rural and population health, primary care and bioscience. Students may take 1-4 credit hours per semester. Students may earn up to 12 credit hours of this course across multiple semesters. It is expected that students' workload on the project will correspond to the number of credit hours. Specifically, it is expected that students work a minimum of 2.5 hours per week for every credit hour registered.

**POPH101 Emergency Medical Services I**

Hours 3

The Emergency Responder course prepares the EMR student to provide emergency prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMRs, anatomy and physiology, medical emergencies, trauma, and special considerations for working in the prehospital setting.

**POPH220 Introduction to Population Health**

Hours 3

An introductory course designed to teach learners to examine health issues from a population health perspective. Using real local and global health problems, students are introduced to evidence-based population health programs and policies that focus on closing the gap between science and practice.

**POPH235 Health Equity in Healthcare Research and Practice**

Hours 3

Empirical evidence demonstrates that structural inequalities and health disparities disproportionately affect historically marginalized populations in the United States. Increasingly, Public Health and medical organizations have called on healthcare professionals to recognize these inequalities and actively work toward social justice and health equity in our research and practice. The goal of this course will be to provide students with evidence-based knowledge and the tools to understand and address health inequities in their research and practice.

**POPH335 Population Reproductive Health**

SB

Hours 3

An introductory undergraduate level course designed to teach learners how to examine reproductive health issues from a population health perspective using a life course approach to investigate the challenges people face at different times in their lives such as family planning, services to prevent sexually transmitted diseases and early diagnosis and treatment of reproductive health illnesses, and access of essential health supplies such as contraceptives and medicines. The course content will emphasize the social, economic, environmental, behavioral, and political factors associated with reproductive health. Students will make connections between classroom knowledge and use problem solving skills to work with a community organization to update lesson plans and facilitate lessons to pregnant women and their partners during the semester.

Social and Behavioral Sciences

**POPH421 Health Policy & Planning**

W

Hours 3

The purpose of this course is to understand the role of health care providers, politics, government relations, and effective advocacy planning in the betterment of population health. Writing proficiency is required for a passing grade in this course.

Prerequisite(s): Acceptance as a Rural Medical Scholar or approval of professor is required for undergraduate enrollment.

Writing

**POPH422 Biostatistics**

Hours 3

Statistical methods and concepts particularly appropriate for biomedical research and health-related subjects.

**POPH423 Basic Epidemiology**

Hours 3

A basic course in epidemiology designed for students in health or related fields which points out the population-oriented approach to epidemiology and shows how the methodology can be used to develop knowledge of disease etiology with application to the entire spectrum of health service.

**RCH230 Medical Shadowing**

Hours 2

This course will match each student with a physician at University Medical Center or one of our community partners. Students will shadow a physician for one half day per week throughout the semester. Students will gain firsthand knowledge of the practice of medicine in a primary care setting, have frequent opportunities to observe the physician-patient relationship, and explore medicine as a career path. Students will be directed to readings relevant to the patient care matters that they encounter and will document their observations via written reflections. Thirty-five (35) hours of shadowing are required over the course of the semester.

**RCH400 Rural Envir/Occup Health**

Hours 3

Designed to help the student recognize environmental and occupational health hazards in the rural setting, the effects of exposure to these hazards, and preventive measures that should be taken to avoid them.

**RCH422 Community Clinical Process I**

Hours 3

A combination of scheduled sessions and fieldwork activities. The fieldwork will consist of visiting with an assigned rural advisor, completing a rural community assessment, and assisting with community health screenings and education programs.

**RCH423 Independent Study Community Medicine**

Hours 1-6

This independent study course is designed to allow students to pursue independent exploration of a particular field or topical area, under the guidance of an advisor. Material covered will be of an advanced nature aimed at providing students with an understanding of current developments within the field. Discussion and advisor guidance will be focused on issues related to rural healthcare, primary care, etc. to encourage a better understanding of the multifaceted role of a rural, primary care physician.

**RCH432 Community Clinical Process II**

Hours 3

A combination of scheduled sessions and fieldwork activities. The fieldwork will consist of visiting with an assigned rural advisor, completing a rural community assessment, and assisting with community health screenings and education programs.

**Faculty****Administrative Officers**

Richard Friend, MD, Dean

Caroline Boxmeyer PhD, Associate Dean for Academic &amp; Faculty Affairs

Karen Burgess, MD, Assistant Dean for Academic &amp; Faculty Affairs

Martha Crowther, PhD, Associate Dean for Research

Thomas Weida, MD, Chief Medical Officer & Associate Dean for Clinical Affairs

Allison Arendale, Chief Finance & Operations Officer

Louanne Friend, PhD, MN &RN, Chief Nursing Officer (interim)

Grier Stewart, MD, Assistant Dean for Medical Education

### Department Chairs

John C. Higginbotham, PhD, Community Medicine and Population Health

Jane Weida, MD, Family, Internal and Rural Medicine

John McDonald, MD, Obstetrics and Gynecology

Thaddeus Ulzen, MD, Psychiatry and Behavioral Medicine

Karen Burgess, MD, Pediatrics

Joseph C. Wallace, MD, Surgery

### Faculty

Lisle Hites, PhD

Meenakshi Arora, PhD

William Lee Lenahan, PhD

Ravikumar Majeti, PhD

Daniel Avery, MD

Susie Wright, MD

Robert Wright, MD

Il Cho, MD

Jonathan Russell Guin, MD

Jacquelynn Luker, MD

Holly McCaleb, MD

Shawna Ogden, MD

Cameron Paisley, MD

James Reeves, MD

Sachin Shenoy, MD

Scott Thomas IV, MD

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Robert Wright, MD

Susie Wright, MD

Pamela Paye-Foster, MD MPH

Gregg Bell, Ph.D.

Brett Bentley, MD

Maryam Bidgoli, Ph.D.

Alan Blum, MD

Lilanta Joy Bradley, Ph.D.

Caroline Boxmeyer, PhD

Karen Burgess, MD

Elizabeth Western, PhD

Yuhui Yao, PhD

Lillian Findley, PhD, PMHNP-BC

John Burkhardt II, PsyD

Jennifer Clem, MD

Cecily Collins, MD

Martha Crowther, Ph.D.

Nathan Culmer, Ph.D.

Sandra Daley, MD

Dale Dickinson, PhD

Jared S. Ellis, MD

Tamer Elsayed, MD

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Mary Louanne Friend, Ph.D.

H. Joseph Fritz, MD

Brian Gannon, MD

Charles Geno, MD

Marisa Giggie, MD, MPA

Abbey Gregg, Ph.D.

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Drake Lavender, MD

Connie Leeper, MD

James Leeper, PhD

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John McDonald, MD

Olivia May, DNP, CRNP

Robert, McKinney, Ph.D.

Mercedes Morales-Aleman, Ph.D.

Raheem Paxton, Ph.D.

Sara Phillips, MD

Jean Pointon, MD

Marion Reed, MD

Cecil Robinson, Ph.D.

James Robinson, MD, Endowed Chair

Nancy Rubin, PsyD

Robert Sheppard, MD

Catherine Skinner, MD

Robert Slaughter, MD

Earl Ray Stewart, MD

Grier Stewart, MD

Heather Taylor, MD

Thaddeus Ulzen, MD, FRCP(C), DFAPA

Joseph Wallace, MD

Jane Weida, MD

Thomas Weida, MD

John R. Wheat, MD

Aryssa Washington, PhD

Nelle Williams, MSLS

Andrea Wright, MLIS

Lea Yerby, PhD

## Department of Family, Internal and Rural Medicine

### Rural Community Health, Minor (p. 612)

#### Rural Medical Scholars Program

The Rural Medical Scholars Program prepares outstanding rural scholars for family medicine or primary care practice in Alabama. Scholars selected to participate in the program, which is exclusively for students from rural Alabama, enroll in preparatory courses at The University of Alabama (the Master of Science in Rural Community Health). Upon completion of their studies, they must meet the requirements for admission to medical school. Students matriculate two years at The University of Alabama School of Medicine in Birmingham for the basic medical sciences component of their curricula and then return to Tuscaloosa to the College for the clinical clerkship years, where they are also involved in special medical experiences that include rural preceptorships. For more information about the Rural Medical Scholars Program, contact: Susan Guin, Associate Professor and Associate Director of Rural Programs, College of Community Health Sciences, smguin@ua.edu.

#### RCH230 Medical Shadowing

Hours 2

This course will match each student with a physician at University Medical Center or one of our community partners. Students will shadow a physician for one half day per week throughout the semester. Students will gain firsthand knowledge of the practice of medicine in a primary care setting, have frequent opportunities to observe the physician-patient relationship, and explore medicine as a career path. Students will be directed to readings relevant to the patient care matters that they encounter and will document their observations via written reflections. Thirty-five (35) hours of shadowing are required over the course of the semester.

#### RCH400 Rural Envir/Occup Health

Hours 3

Designed to help the student recognize environmental and occupational health hazards in the rural setting, the effects of exposure to these hazards, and preventive measures that should be taken to avoid them.

View All Courses

## Rural Community Health, Minor

The undergraduate minor in Rural Community Health provides an opportunity for undergraduate students to complete coursework in health care, health policy, biostatistics, epidemiology, rural environmental and occupational medicine with a focus on rural Primary Care. These courses provide students with the basic tools, principles and knowledge to be able to investigate rural health issues and to determine solutions to rural health problems. In addition, completion of this minor will help students create a support network among other students, rural physicians, other rural health and agricultural professionals and rural residents. This minor will assist in keeping students from rural Alabama connected with their rural roots to increase the probability that they will return as rural health practitioners.

### Completion Requirements

Students who wish to declare a Minor must meet with a Rural Programs Director and complete the Declaration of Minor Form before the Junior year of enrollment. The Minor requires successful completion (earn a grade of B or better in each course) of 6 credit hours of required coursework and 9 credit hours from the list of approved elective courses (other courses may be substituted with prior approval of the Rural Programs Directors):

Required Courses		Hours
RCH 400	Rural Envir/Occup Health	3
POPH 421	Health Policy & Planning	3
<b>Total Hours</b>		<b>6</b>
Elective Courses (9 hours)		Hours
CHS 220	Health Care in the US	3
CHS 497	Undergraduate Research	1-4
POPH 101	Emergency Medical Services I	3
POPH 220	Intro to Population Health	3
POPH 235	Hlth Equity HC Research Prac	3
POPH 335	Population Reproductive Health	3
POPH 422	Biostatistics	3
RCH 230	Medical Shadowing	2
RCH 423	Indep Stdy Community Med	1 to 6
POPH 423	Basic Epidemiology	3
<b>Total Hours</b>		<b>9</b>

## College of Education

Department of Curriculum and Instruction (p. 621)

Department of Educational Leadership, Policy and Technology Studies (p. 633)

Department of Educational Studies in Psychology, Research Methodology and Counseling (p. 634)

Department of Kinesiology (p. 636)

Department of Music Education (p. 640)

Department of Special Education and Multiple Abilities (p. 643)

Educational Studies Minor

### Degrees and Programs Offered

The College of Education offers undergraduate programs leading to the Bachelor of Science in Education. A Bachelor of Science in Educational

Neuroscience and a Bachelor of Science in Kinesiology are also offered. The Kinesiology, BS has two concentration options: Physical Education or Exercise Science. (The concentration in Exercise Science does not lead to teacher certification.)

The College of Education offers the following teacher education programs [NOTE: P refers to "pre-school" (any level prior to kindergarten) and K to "kindergarten"]:

- Elementary education (K-6) and early childhood (P-3)
- Music education (P-12), instrumental or choral music
- Physical Education (P-12)
- Secondary education (6-12), with majors in English language arts, mathematics, general science, general social science, and the following foreign languages (6-12 or P-12): French, German, Latin or Spanish
- Special education, with K-6 and K-12 certification in collaborative education; early childhood special education (P-3) and early childhood (P-3); and multiple abilities program with certification in four areas: elementary (K-6), collaborative (K-6), early childhood (P-3), and early childhood special education (P-3).

A minor in Educational Policy and Reform (p. 634) is offered by the Department of Educational Leadership, Policy, and Technology Studies.

The College of Education, in conjunction with the Honors College, offers a minor in Educational Studies.

## General Degree Requirements

The College of Education offers undergraduate programs leading to a Bachelor of Science in Education, a Bachelor of Science in Educational Neuroscience, and a Bachelor of Science in Kinesiology. These programs require the completion of a minimum of 120 semester hours in prescribed courses, as set forth in this catalog (most programs require the completion of more than 120 hours). Graduates will also have met the prescribed minimum standards of scholarship.

A minimum of 32 semester hours, including nine of the last 18 hours required for a degree, must be earned in residence at The University of Alabama as an enrolled student in the College of Education.

If a student does not complete requirements for the undergraduate degree within a period of seven years from the date of admission, the College of Education will modify the student's program to bring it into compliance with current degree and certification requirements. In addition, a student in a teacher education program must complete that program's requirements within four years from the date of formal admission to the program, or he or she must reapply for admission.

Upon re-entering, any student with a break in his or her enrollment at The University of Alabama (fall or spring semesters) will be placed in the program required of newly admitted students. Exceptions may be made by personnel in the Office of Student Services and Certification.

Because of the number of educational options available to students in the College, sample programs of study for all education majors cannot be provided here. Instead, detailed program outlines are available from academic advisers in the various program offices. In general, students take 100-level courses during the first year of college, 200-level courses during the second year and 300- and 400-level courses during the third and fourth years.

Each undergraduate program contains a group of courses classified as general studies. These courses must be taken in the proper prescribed sequence during the freshman and sophomore years, until they are completed. Required studies in English are part of the general studies

requirement; a student must enroll each semester in the prescribed composition and literature courses until the English requirement is completed.

## Upper and Lower Divisions

Students enrolling in a teacher education program (a program leading to Alabama Class B certification) enter the upper division of the College of Education at the time of their admission to a Teacher Education Program (TEP).

## Changes in Certification Requirements

The programs listed in this catalog that lead to Alabama Class B professional educator certification for service in the public schools may be altered to meet certification standards adopted by the Alabama State Board of Education. The Undergraduate Catalog is published annually; however, requirements for State-approved programs are subject to change between publications. Current students, as well as prospective students, should check with the specific program for the most up-to-date information.

## Retention in the College of Education

To continue to be eligible for enrollment in the upper division of the College of Education, a student must successfully complete any remaining courses in the teaching field(s) or major, and, for certification programs, the professional education courses, including successful clinical placements. UA and overall GPAs of 2.75 are required. The GPA in the teaching field — and, if transfer work, the overall GPA — must remain at least 2.75. In professional education courses, the GPA must be at least 2.75, with no grade lower than C-. For students in non-certification programs, required minimum GPAs vary from program to program. All students should be aware of and monitor their GPAs and should project when they will be able to enroll in required courses. All students are expected to become familiar with the regulations discussed in Academic Records and General Academic Policies (p. 11) section of this catalog.

## Examinations

Individuals who apply to the Alabama Department of Education for initial Alabama professional educator certificates or alternative certificates must meet the requirements of the Alabama Educator Certification Assessment Program (AECAP) as a precondition for certification. The AECAP consists of *Praxis* subject assessments and edTPA.

Each candidate must obtain passing scores on the appropriate *Praxis* subject assessment(s) prior to internship. Passing scores must be earned by July 1 for fall internships and by December 1 for spring internships. Information regarding test dates, test codes and testing sites may be obtained from the *Praxis* website: <https://www.ets.org/praxis/al/> overview. Information is also available through the College of Education's Office of Student Services in 104 Carmichael Hall.

Each student in a certification program must also show proof of mastery of all Alabama Core Teaching Standards, Professional Standards and Content Standards prior to program completion. In addition, College Dispositions, student portfolio, and other required assessments will be evaluated throughout. An Individualized Standards Assessment Report (ISAR) for each student will be reviewed and evaluated at various checkpoints to ensure mastery of standards. Upon program completion, the final ISAR will be evaluated prior to graduation and recommendation for certification.

In addition, edTPA (a performance based assessment) is required prior to program completion.

## Clinical Placements

All Class B programs require extensive field experiences in diverse settings. The majority of upper-division education courses require clinical placements in the schools. At a minimum, each student shall have participated in 150 clock hours prior to the internship. Ninety of these 150 hours shall be in increments of at least 3 hours each. The majority of field experiences must occur in P-12 schools, and at least half of the field experiences shall be in the candidate's teaching field. For Early Childhood Special Education and Early Childhood programs, field experiences shall include placements in at least two of the three main types of early education settings: P-3 classrooms, child care centers and homes, and Office of School Readiness programs. On-campus practicum experiences may include the Children's Program, the Rural Infant Stimulation Environment (RISE) Program, and Early Intervention at The University of Alabama (EI@UA). These programs provide opportunities for students to work with infants, toddlers, pre-K children, and their families.

All clinical placements in the College of Education are coordinated through the Office of Clinical Experiences. These placements are in the greater Tuscaloosa area in order to facilitate supervision of students. If an appropriate placement cannot be secured in the Tuscaloosa area, recommendations will be made for an alternate placement by the department head.

## Professional Liability

Students enrolled in College of Education courses that require a clinical placement are required to provide proof of professional liability insurance before being allowed to participate in a clinical placement. Professional liability insurance may be purchased through an independent insurer or is available to students who are members of the Student Alabama Education Association (SAEA), the Council for Exceptional Children (SCEC) or Collegiate Music Educators National Conference (CMENC). Further information and membership applications may be obtained from the Office of Clinical Experiences.

## Required General Studies

These required general studies courses include most University of Alabama Core Curriculum requirements; however, the core curriculum writing requirement (the W courses) is not satisfied by these hours of general studies courses.

**NOTE:** Courses listed below reflect general options, but not all teaching fields are enhanced by every option, and some require additional coursework. Additional courses approved by the state of Alabama Articulation and General Studies Committee could be appropriate under the terms of the Statewide Articulation Reporting System (STARS). To avoid taking extra courses, each student should select, whenever possible, general studies courses that may be utilized in his or her teaching field or major. Please refer to notes below and to the specific teaching field(s) for more precise requirements.

I. Written Composition Requirement	Hours
EN 101 English Composition & EN 102 or and English Composition EN 103 Advanced English Composition	3-6

**Total Hours** 3-6

### II. Humanities and Fine Arts Requirements

Literature courses (at least 3 hours):<sup>1</sup> 3

EN 205 English Literature I	
EN 206 English Literature II	
EN 207 World Literature I	

EN 208 World Literature II	
EN 209 American Literature	
EN 210 American Literature II	
EN 215 Honors English Literature I	
EN 216 Honors English Literature II	
EN 219 Honors American Literature	
EN 220 Honors American Literature II	
EN 249 African American Literature I	
EN 250 African American Literature II	
EN 251 Honors African American Literature I	
EN 252 Honors African American Literature II	
Fine Arts courses (at least 3 hours):	3
ARH 151 Intro to Visual Arts	
ARH 252 Survey of Art I	
ARH 253 Survey Of Art II	
ARH 254 Survey Of Art III	
FA 200 Introductn To Fine Arts	
JCM 112 Motion Picture History and Criticism	
MUS 121 Intro To Listening	
MUS 122 Honors Introduction to Listening	
MUS 250 Music In World Cultures	
TH 114 Intro To The Theatre	
Humanities courses (At least 3 hours of public speaking is required): <sup>2</sup>	3
COM 123 Public Speaking	
COM 124 Honors Public Speaking	
COM 210 Oral Interpretn Literatr	
AMS 150 Introduction to American Pop Culture	
AMS 151 America and the World	
AMS 203 Introduction to Southern Studies	
or	
AMS 213 Honors Introduction to Southern Studies	
AMS 204 Introduction to Western American Studies	
AMS 205 Dirty Jobs	
AMS 231 Contemporary America	
CL 222 Greek Roman Mythology	
JCM 112 Motion Picture History and Criticism	
PHL 100 Intro To Philosophy	
PHL 104 Critical Thinking	
REL 100 Intro To Religious Studies	
REL 102 Intro to Religions of the World	
REL 110 Intro To The Old Testament	
REL 112 Intro To New Testament	
WS 200 Intro To Women Studies	
CIP 200 Introduction to Global & Cultural Perspectives	
CIP 202 Introduction to Global and Cultural Perspectives: Exp Lrng	
Additional Course from Area II, if needed	3
<b>Total Hours</b>	<b>12</b>

**Footnotes**

<sup>1</sup> Students should select courses from areas II and IV so that at least one 6-semester-hour sequence of either literature (e.g., English, American or world) or history is presented.

<sup>2</sup> A music education major may satisfy this requirement by earning a passing score on the Speech Proficiency Examination; however, appropriate hours in Area II must be met.

**III-A. Natural Sciences Requirement****Hours**

Select 8 hours of the following: 8

AEM 120	Aerospace Science For Educators
AY 101	Intro To Astronomy
& AY 102	and Intro Astronomy Lab
BSC 108	Intro Biology Non Maj I
BSC 109	Intro Biology Non Maj II
BSC 114	Principles Of Biology I
& BSC 115	and Laboratory Biology I
BSC 116	Principles Biology II
& BSC 117	and Laboratory Biology II
CH 100	General Chemistry I - Plus
CH 101	General Chemistry
CH 102	General Chemistry
CH 104	Introductory Chemistry
CH 105	Introductory Org Chem
GEO 101	The Dynamic Earth
GEO 102	The Earth Through Time
GEO 104	Hazardous Earth
GEO 105	Sustainable Earth
GY 101 or	Atmospheric Proc & Patterns
GY 102	Earth Surface Processes
PH 101	General Physics I

Students in elementary education, the Multiple Abilities Program, and special education must complete four additional semester hours from N courses.

**III-B. Mathematics Requirement****Hours**

Select one of the following: 3-4

MATH 110	Finite Mathematics
MATH 112	Precalculus Algebra
MATH 113	Precalculus Trigonometry
MATH 115	Precalc Algebra & Trig
MATH 121	Calculus & Applications
MATH 125	Calculus I
MATH 126	Calculus II

**Total Hours** 3-4

Students in elementary education (K-6), the Multiple Abilities Program, and special education are required to complete additional work in mathematics. See notes under these teaching fields. Students preparing to teach general science, biology, chemistry and physics need to meet specific MATH requirements. See notes under the various teaching fields.

**IV. History and Social and Behavioral Sciences Requirement****Hours**Select at least one HY course: <sup>1</sup> 3

HY 101	Western Civ To 1648
HY 102	Western Civ Since 1648

HY 105	Honors West Civ To 1648
HY 106	Honors West Civ Sc 1648
HY 103	History of American Civilization to 1865
HY 104	America Civilization Since 1865
HY 107	Honors American Civilization to 1865
HY 108	Honors American Civilization Since 1865
HY 117	World History to 1500
HY 118	World History Since 1500

Additional courses: 9

PY 101	Intro To Psychology
PY 105	Honors Intro Psychology
HD 101	Life Span Human Development
HD 102	Honors Lifespan Human Development
ANT 100	Anthropology: The Study of Humanity
ANT 102	Intro to Cultural Anthropology
ANT 103	Discoveries In Archaeology
COM 101	Principles Human Communication (required for SELA majors)
EC 110	Principles of Microeconomics
EC 111	Principles of Macroeconomics
GY 105	World Regional Geography
GY 110	People, Places, and Environment
PSC 101	Intro American Politics
SOC 101	Intro To Sociology
SOC 202	Social Problems

**Total Hours** 12**Footnotes**

<sup>1</sup> Students should select courses from areas II and IV so that at least one 6-semester-hour sequence of either literature or history (e.g., Western Civ., American) is completed.

**V. General Pre-professional, Major and Elective Course**

Courses are appropriate to the degree requirements and major of the individual student. Secondary and P-12 majors (except special education) should select courses appropriate to their majors. Additional, specific courses may be required for the various majors. Students should consult an adviser for requirements in a major.

**EDU 200 Orient to Teacher Education is required for all students in education seeking teacher certification.**

**Educational Psychology Prerequisite Requirement**

Introduction to Psychology (PY 101 Intro To Psychology) or Life Span Human Development (HD 101 Life Span Human Development) should be taken as part of area IV requirements.

**Foreign Language/Computer Language Requirement**

Choose one of the following options:

- Option 1: Satisfy the foreign language core requirement (FL) of 3-8 hours.
- Option 2: Satisfy the computer science core requirement (C) of 6 hours.

**NOTES:** Students should consult an adviser for requirements in a major.

In some majors, additional courses may need to be taken to complete a total of 120 hours or to fulfill prerequisites for the required courses above (variable hours).

## Student Responsibility

College of Education students are expected to register for appropriate courses necessary to make reasonable progress toward completing program requirements by the expected date of graduation. Students must familiarize themselves with the requirements contained in this catalog and are expected to make full use of DegreeWorks throughout their programs.

## Local Mailing and Email Addresses

Students are expected to maintain mailing addresses and monitor their Crimson e-mail addresses at which communications from the College of Education will, with reasonable certainty, reach them. The University of Alabama utilizes myBama as the official means of recording address information. It is the student's responsibility to update addresses as needed under the Self-Service tab on myBama.

All students have a Crimson e-mail account created for them when they first enter The University. This is considered the official University of Alabama e-mail address for each student, and it will be used by University departments to disseminate information. This means all communication from The University concerning registration, financial aid, events, notifications, etc., will be sent to the Crimson e-mail exclusively. Students are responsible for checking their Crimson e-mail accounts on a regular basis.

## Class Hour Load

The normal class hour load for College of Education students is 15–17 hours per semester. Seniors who need 18 hours during the final semester to complete degree requirements may register for those hours without special permission. In all other cases, each student must have at least a B average to receive permission from the College's Office of Student Services to register for more than 18 hours. The maximum class hour load with a B average permit is 21 hours. During the summer/Interim session, the maximum load without a B average permit is 17 hours (seven hours per term/three hours during Interim). A student with a B average permit may carry a maximum of 18 hours (nine hours during one summer term, six hours during the other summer term and three hours during Interim term). Additional tuition costs are associated with enrollment greater than 16 credit hours and for summer terms.

## Class Attendance

Students are expected to pursue successful completion of all courses for which they are registered, including regular class attendance. The dean may withdraw a student from courses and/or may assign failing grades at any time during a semester when excessive absences have accumulated or when the student is disenrolled from a course.

## Academic Bankruptcy

The College of Education observes the general University policies governing academic bankruptcy and also maintains a committee to review all petitions for academic bankruptcy. The petitioning process begins in the College's Office of Student Services and Certification.

## Auditing Courses

With approval from the dean, an education student may audit one course. No tests or final examinations may be taken when a course is audited. An audited course is counted as if it were a credit course in the determination of the class hour load. Normally, an audited course may not be repeated for credit.

## Duplicate Credit

A course that substantially duplicates the content of a course for which credit has already been earned may not count toward degree requirements.

## Repeating Courses for Higher Grades

With written permission from the dean, education students may repeat certain courses in which a grade of D was received. The dean's written permission must be filed with the registrar of the College of Education. When the cumulative grade point average is computed, each enrollment in the course will count as hours attempted. However, only the most recent enrollment may count toward degree requirements.

## Transfer Between Divisions

Before transferring into the College of Education from another division of The University of Alabama, a student must attend an orientation session sponsored by the College of Education Office of Student Services and Certification. Students must have a minimum GPA (UA and overall) of 2.0.

## Transfer Equivalencies

Professional education courses transferred from other institutions may not be used to meet requirements in a state-approved program of study within the College of Education.

## Second Bachelor's Degree

If a student wishes to earn a second bachelor's degree in the College of Education, a minimum of 32 semester hours of additional credit must be earned in residence in the College of Education. These 32 hours must be over and above all credit earned for the previous degree. All quantitative and qualitative requirements for the second degree program must be met in full, according to standards in effect on the date of enrollment in the second program. Students seeking a second bachelor's degree must have a transcript evaluation from the Office of Student Services in 104 Carmichael Hall.

## Admission to a Teacher Education Program (TEP)

Students must be formally admitted to a TEP. A formal, written application is required for admission to a specific program, and applications are available through the Office of Student Services located at 104 Carmichael Hall. Students who meet the following criteria may apply for admission to the teacher certification program in their area of study. However, meeting the minimum criteria does not guarantee admission to TEP.

1. A minimum grade point average of 2.75 must be met and maintained for admission. UA and overall GPAs of 2.75 are required. The GPA in the teaching field must remain at least 2.75. In professional studies courses, the GPA must be at least 2.75 with no grade lower than C-. Transfer students must have the required GPA on all coursework taken at this institution as well as overall coursework (UA and transfer work).
2. EN 101 English Composition and EN 102 English Composition or EN 103 Advanced English Composition with credit for EN 101 English Composition; Students must have a grade of a C- or higher in the coursework.
3. BEP 305 Educational Psychology or BEF 360 Social Psychol Foundtns Educ or BEP 360 Social Psychol Foundtns Educ; Students must have a grade of a C or higher in the coursework.



4. Students must have a grade of a C- or higher in an approved public-speaking course.
5. Students must successfully complete at least 60 semester hours, including at least 41 hours of general studies. Students must not have exceeded 120 semester hours.
6. Students must successfully complete the pre-professional lab experience in their field of study with a grade of at least a C-. Students should check with an academic adviser for the specific departmental course with the lab experience.
7. The Alabama State Department of Education and the College of Education require all students to be fingerprinted and receive background clearance prior to admission to TEP. Fingerprinting will be required during the semester of the pre-professional course, and background clearance must be obtained prior to clinical placements in the schools.
8. Students must fulfill their departmental writing requirements.
9. Each candidate for admission must successfully complete an interview with at least two faculty members. Speaking skills and knowledge and abilities based on previous coursework will be among the attributes assessed in the interview. The interview evaluation will become part of the application to a TEP.
10. Appropriate faculty and administrative signatures are required once all criteria have been met.

Admission to a TEP is competitive and meeting standard criteria does not guarantee admission. Those who meet standard criteria are guaranteed consideration for admission to a teacher preparation program. Admission will be based on evaluations of the applications to identify those applicants who are best qualified and who show strong likelihood of success in their chosen areas. The evaluations will reveal the relative strengths and weaknesses in each applicant's credentials in light of the areas in which the applicant wishes to teach and the applicant's understanding of, and commitment to, teaching as a profession, as well as oral skills, mature judgment and the demeanor necessary to become successful as a teacher. Any applicable test score, or subscore, and grades in previous courses should reflect a strong record in the major area of study. A student's entire application will be evaluated by appropriate members of the faculty who will make a recommendation to the dean. The dean will make the final decision.

Individuals who hold college degrees and wish to complete certification programs to teach in the public schools or to complete a TEP in order to qualify for certain graduate programs must meet the admission criteria and must follow all application procedures. Students should check with academic advisers in the office of Student Services for specific departmental TEP admissions requirements.

## Internship Requirements

After successfully completing all required coursework, each student is screened for placement in an internship. The teaching internship (formerly called student teaching) is one of the most important experiences a College of Education student has. It is generally regarded as the culminating activity of one's preparation to become a teacher. At The University of Alabama, the internship is a full-semester, full-time assignment and must be taken in residence.

Both undergraduate and alternative (nontraditional, fifth-year) students must file internship applications with the Office of Clinical Experiences in 101 Autherine Lucy Hall during the semester preceding the semester of the planned internships. The application process begins by attending a mandatory application session, which is held at 4 p.m. in 118 Autherine

Lucy Hall on the first Wednesday in October for spring-semester interns and the first Wednesday in March for fall-semester interns.

A student may apply to enroll for an internship if the following criteria have been met:

1. The student must have been admitted to the teacher education program or an alternative (nontraditional, fifth-year) program. Internship applications will not be processed until admission is verified.
2. The student must have completed all courses in the major or majors prior to the internship or have written permission from the faculty adviser and Department Chair to intern.
3. The student must have earned a minimum grade point average of 2.75, both for all University of Alabama courses attempted and for all University of Alabama courses and transfer courses combined.
4. The student must have earned a minimum grade point average of 2.75 in each major, both for University of Alabama courses in each major and for combined University of Alabama courses and transfer courses in each major.
5. The student must have earned a minimum grade point average of 2.75 for professional education coursework, with no grade below a C in any professional education coursework.
6. The student must have completed all methods courses and appropriate professional coursework with grades of C or higher.
7. The student must have removed from the transcript any grade of incomplete (I) recorded in required courses; grades of incomplete are treated as grades of F.
8. The student must have earned passing scores on the appropriate Praxis subject assessment(s) for the teaching field. Passing scores must be earned by July 1 for fall internships and by December 1 for spring internships.
9. The student must show mastery of required standards in all courses completed prior to internship, as indicated on the Individualized Standards Assessment Report.

## Registration for Internship Credit Hours

Undergraduate students are required to register for the number of internship credit hours specified by their programs. In some programs, an undergraduate student may be allowed to choose a nine-hour registration or a 12-hour registration; course requirements are the same whether nine hours or 12 hours are taken. Students in programs requiring two different internship placements are required to register for two different sections of internship. A student enrolled for an internship must not expect to be enrolled in other courses while interning unless special permission is granted by the department head. If approved, courses must not be taken during school hours.

## Policy on Internship Placements

All internship placements are coordinated by the College of Education Office of Clinical Experiences. A placement site will be selected in a manner to ensure the quality of the internship experience and of the supervision provided by the cooperating teacher. All internship placements (except for music education) are in the greater Tuscaloosa area in order to facilitate supervision of students by University of Alabama faculty or other designee of the department heads. Placement outside the greater Tuscaloosa area is made only if the Office of Clinical Experiences and/or a department head determine(s) that appropriate local placement is unavailable.

A student may apply for an overseas internship if he or she meets certain criteria and if appropriate placement can be coordinated by

the Consortium for Overseas Student Teaching (COST) and/or The University of Alabama. Applications for overseas internships are taken during January for placements for the next fall semester and in June for placements the succeeding spring semester. Contact the Office of Clinical Experiences in 101 Autherine Lucy Hall for additional information.

### Internship Assignments

- Early Childhood (P-3) interns will receive two internship placements in two of the following age ranges (birth-3 years of age, 3-5 years of age, 5-8 years of age).
- Elementary education (K-6) interns will receive a placement in lower elementary (grades K-3) and upper elementary (grades 4-6) unless substantial field experiences are required and completed at both levels.
- Secondary education (6-12) interns with a comprehensive major may receive one or two internship assignments in grades 6-12. If a candidate is seeking certification in two or more distinct teaching fields, an additional internship(s) will be required (unless the internship is defined according to the State-approved program.) If a candidate is seeking certification in two or more related fields, the internship may be divided between the two teaching fields.
- Special education-Collaborative (K-6 or 6-12) interns will receive a split internship assignment: half in a severe and profound setting and half in a mild to moderate setting. The placements will be divided according to their certification grade levels. For candidates seeking certification in BOTH Collaborative K-6 and Collaborative (6-12), the internship shall be divided between early childhood/elementary and middle/secondary grades.
- Special education-early childhood (P-3) interns will receive split placements in pre-K and K-3 in both general education and special education.
- MAP (P-6) interns will receive a minimum of four placements covering two semesters: The placements will be P-3 and upper elementary (4-6), and at least two of the following age groups: pre-K through age 3, age 3-5, and age 5-8. Placements will include children with and without identified disabilities.
- P-12 programs in physical education, foreign language, or music education interns should expect to have a split internship assignment with an elementary and a secondary school.

### Professional Licensure (Certification)

The curricula offered by the College of Education are designed to prepare teachers and school administrative and supervisory officials for the appropriate certificates. Students graduating with a bachelor of science degree in education who have successfully completed a certification program are eligible to apply for the Alabama Class B professional educator certificate. Certification programs are available for the Alabama Class A and Class AA professional certificates for college and university graduates who are holders of bachelor's and higher degrees. The College of Education, in accordance with the regulations of the Alabama State Board of Education, also provides assistance to individuals who need courses for the renewal of a certificate.

The associate dean for student services in the College of Education has been designated the teacher certification officer for the University. Students who need information about or assistance with certification should consult the associate dean for student services.

Students planning to teach outside the state of Alabama are held personally responsible for knowledge of professional licensure requirements in those states.

### Application for Certification

All students must complete the proper application form for Alabama certification. Forms are available online through the Alabama Department of Education. Applications should be submitted to Student Services in 104 Carmichael Hall at least one semester in advance of graduation. A student who does not apply for professional licensure within 60 months after completing the state-approved program will be required to meet the current program. Students who plan to teach in other states must secure the proper professional licensure application forms from those states' departments of education after applying for Alabama certification.

### Teacher Warranty

According to regulations mandated by the Alabama State Board of Education, the College of Education ensures that "a candidate's competency to begin his or her professional role in schools is assessed prior to completion of the program and/or recommendation for certification" and establishes, publishes and implements "policies to guarantee the success of individuals who complete its approved programs and are employed in their area(s) of specialization." The College of Education provides "remediation at no cost to such individuals who are recommended . . . and are deemed to be unsatisfactory based on performance evaluations established by the State Board of Education and within two years after program completion."

### Changes in Certification Requirements

The programs listed in this catalog that lead to Alabama Class B professional educator certification for service in the public schools may be altered to meet certification standards adopted by the Alabama State Board of Education. Check with the appropriate department head for information.

### History and Objectives

The University of Alabama has long been concerned with programs for the preparation of public school personnel. In 1844, just 13 years after the University's establishment, a Normal Department was provided for those who wished to prepare for teaching careers. By 1872, the Normal Department had become the Normal School. By 1899, the trustees had replaced the Normal School with the School of Pedagogy and Psychology, which in 1902 became the School of Philosophy and Education. In 1908, the school was reorganized as the Department of Education; further organizational changes resulted in the name being changed to the School of Education one year later. The present College of Education was established in 1928. Until 1924, the University's offerings in teacher education were almost entirely limited to undergraduate programs for elementary and high school teachers. Graduate work in school administration was added in 1924, and all programs — undergraduate and graduate — were greatly expanded from 1927-1928. Doctoral programs were authorized in 1951.

The College of Education is the division of The University of Alabama that has the responsibility for administering all professional programs and courses designed for the preparation of teachers and other educational professionals. Experiences in academic programs are devoted to developing individuals' understanding of knowledge construction, learning, pedagogy and responsible professional practice in the contexts of education. The University of Alabama's College of Education seeks to prepare professionals who demonstrate and value reflective practice and ethical decision making through respecting diversity, honoring difference and promoting social justice.

**Faculty****Dean**

Peter Hlebowitsh

**Senior Associate Dean**

Elizabeth K. Wilson

**Associate Dean and Certification Officer**

Emily Sims

**Associate Dean for Research & Service**

David Hardy

**Registrar and Assistant Certification Officer**

Lynn Heard

**Paul W. and Mary H. Bryant Endowed Professor of Education**

Kristine Jolivette

**Helen and Pat O'Sullivan Endowed Professor**

Gregory J. Benner

**Fayard Endowed Professor of Early Literacy**

Amy C. Hutchison

**Professors**

Natalie G. Adams

Lucy Barnard-Brak

Gregory J. Benner

Angela D. Benson

Nathaniel James Bray

Joy Burnham

Julianne Coleman

Matthew D. Curtner-Smith

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Nirmala Erelles

Michael Esco

Carl B. Hancock

Peter Hlebowitsh

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Bob Johnson

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Douglas McKnight

Robert A. McWilliam

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George Mugoya

Margaret L. Rice

Stephanie Shelton

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Karen Spector

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Stefanie Wind

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Teresa Grenawalt

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Joon-Ho Lee

Emily Lund

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Daisy Arredondo Rucinski

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Aurelia Barnett

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Mary Beirne-Smith

Dorothea Grace Bishop

Phillip Bishop

Karla Carmichael

Sheryl Cohen

Robert Edward Comas

Helen R. Connor

William D. Crump

C.J. Daane

Dave Dagley  
 John P. Dolly  
 Jill Driver  
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 Edwin S. Ellis  
 Charles R. Estes  
 Ronald L. Evalsizer  
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 Lanny R. Gamble  
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 M. Jenice Goldston  
 Sr. Madeleine Gregg  
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 Patti Harrison  
 David W. Head  
 Loreta Holder-Brown  
 Rick Houser  
 Janie Hubbard  
 Margaret King  
 Marvin Latimer, Jr.  
 Robert Kenneth T. Leigh  
 Sam Leles  
 Faye P. McCollister  
 James E. McLean  
 James K. McNutt  
 Jane Newman  
 Rose Mary Newton  
 W. Ross Palmer  
 Bruce A. Peseau  
 Carol Prickett  
 Richard Rice  
 Barbara Starnes Rountree  
 Inez Rovegno  
 Jamie Satcher  
 Carol Schlichter  
 Diane Sekeres  
 James Siders  
 Ronnie Stanford  
 Hugh H. Stegall  
 Cynthia S. Sunal  
 Dennis W. Sunal  
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 Stephen Tomlinson  
 Wayne Urban  
 David J. Vold  
 Archie Lee Wade  
 Philip T. Westbrook  
 Raymond Carl Westerfield  
 Kathy S. Wetzel  
 Allen Wilcoxon  
 Vivian H. Wright

## Department of Curriculum and Instruction

- Majors
  - Elementary Education, BSE (p. 622)
  - Secondary Education, BSE (p. 624)

### Department Head

- Miguel Mantero

### Program Coordinators

- Holly Swain, Elementary
- Karen Spector, Secondary

### Professors

- Julianne Coleman
- Miguel Mantero
- Elizabeth K. Wilson

### Associate Professors

- Cory Callahan
- Latrise Johnson
- Jonathan Shemwell
- Karen Spector
- Jeremy Zelkowski

### Assistant Professors

- Tracey Hodges
- Alison Hooper
- Todd Hutner
- Jee Kyung Suh
- Casedy Thomas
- Sheunghyun Yeo

### Clinical Professor

- Melisa Fowler

### Clinical Associate Professors

- Lisa Matherson
- Emily Sims
- Holly Swain

### Clinical Assistant Professors

- Christina Brommer
- Cailin Kerch

**CEE304 Teaching Early Childhood and Elementary School Science**

Hours 3

Teaching experiences related to P-6 children's learning of science, with emphasis on teaching strategies that use inquiry approaches. Intensive field experience. Admission to Teacher Education Program is required.

Prerequisite(s): CEE 365, CEE 370, CEE 380, CEE 492, and CEE 495 with a minimum passing grade of C-

Prerequisite(s) with concurrency: CEE 366, CEE 401, CEE 478, CEE 496 and BER 450

**CEE320 Survey of Early Childhood and Elementary Education**

Hours 3

Surveys early childhood and elementary education as professional careers. Students become acquainted with factors affecting successful teaching in P-6.

Prerequisite(s) with concurrency: CRD 369, CEE 491, and MUE 385

[View All Courses](#)

**Faculty****Department Head**

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**Program Coordinators**

Holly Swain, Elementary

Karen Spector, Secondary

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Christina Brommer

Cailin Kerch

## Elementary Education, BSE

Students who complete this certification program should have a desire to teach in an elementary school (K-6) or early childhood (P-3) regular education classroom. Prior experience in the classroom is not required, although a lively interest in the institution of schooling and in state and national policies that shape school experiences is encouraged. Successful completion of the program leads to the Bachelor of Science in Education degree and to eligibility for Alabama Class B certification in Elementary (K-6) and Early Childhood (P-3).

The undergraduate catalog is published annually. Program advising sheets are updated more frequently and are thus likely to provide the most up-to-date information on degree and other requirements. Students should obtain the most recent advising sheets, available from their academic advisors and in 104 Carmichael Hall. Further information on recommended course sequences should also be obtained from 201 Autherine Lucy Hall.

This department requires the completion of at least 120 semester hours for graduation.

## Teacher Education Program Admission Requirements for Elementary Education Majors

Since the fall semester of 1996, there has been a competitive admission process for entering the elementary education professional semesters. There is a limitation on enrollment for these semesters. Meeting the minimum criteria for the teacher education program (TEP) does not guarantee admission to these professional semesters. See program for admission procedures.

The student must complete the TEP application form, available from personnel in 104 Carmichael Hall. The minimum requirements are listed at the beginning of the College of Education section.

**NOTE:** The faculty reserves the right to make exceptions to the listed criteria based on individual circumstances. However, minimum Alabama State Department of Education requirements found elsewhere in this catalog must still be met.

Additional requirements include:

- Each student must earn a grade of C- or higher in all University core courses.
- Each student must successfully complete MUE 107 Basic Skills In Music.
- Each student must have a C- or higher in every professional studies and teaching field course; a student must successfully petition the department to retake any education course in which he or she earned less than a C-.
- Each student must select an additional course from the general studies natural science requirements for a total of at least 12 semester hours; preferred are four semester hours in biological science and eight semester hours in physical/interdisciplinary science.
- Each student must select additional mathematics courses from the general studies list for a total of 12 semester hours of MATH-designated courses.
- Fingerprinting/background clearance

Code and Title	Hours
<b>Recommended Courses</b>	
MATH 100 Intermediate Algebra (See footnote.) *	3
MATH 208 Number And Operations	3
MATH 209 Geometry & Measurement	3
MATH 210 Data Anal Elem Teachers	3
<b>Unacceptable Courses</b>	
BER 345 Educational Statistics	

**Footnotes**

\* Students who choose to complete MATH 110 in order to satisfy the core math requirement should also plan on completing MATH 100 as part of their additional math requirements if they have not already completed an equivalent of MATH 208 at another institution.

## General Studies (60 Hours)

### Professional Studies and Teaching Field

The University of Alabama GPA — and, if transfer work, the overall GPA — must be at least 2.75 in the professional studies and teaching field courses. A student may not enroll in more than five professional studies courses before he or she has received unconditional admission to the TEP.

Area V: EDU 200 Orient to Teacher Education is required.

**All required English coursework must have been completed before Professional Semester 1.**

### Professional Semester 1

Code and Title	Hours
<b>Professional Studies</b>	
BEF 362 School, Culture, and Society <sup>1</sup>	3
BEP 305 Educational Psychology <sup>1</sup>	3
CEE 320 Survey of EC/ELE <sup>2</sup>	3
SPE 300 Survey Spe Accomd Stratg <sup>1</sup>	3
<b>Teaching Field</b>	
CEE 491 Early Childhood Curr. & Inst. <sup>2</sup>	3
CRD 369 Fnd of Read Inst for EC/ELE <sup>2</sup>	3
MUE 385 Teaching Music <sup>2</sup>	3
<b>Total Hours</b>	<b>21</b>

**Footnotes**

<sup>1</sup> BEF 362 School, Culture, and Society, BEP 305 Educational Psychology and SPE 300 Survey Spe Accomd Stratg may be taken prior to Professional Semester I.

<sup>2</sup> Corequisites

**NOTE:** MUE 107 Basic Skills In Music is a prerequisite to MUE 385 Teaching Music.

**NOTE:** Students formally apply to the Teacher Education Program during CEE 320 Survey of EC/ELE and should meet requirements at this time. Applications are available from Student Services located at 104 Carmichael Hall. Check TEP requirements above for additional information.

**All required mathematics coursework must be completed prior to Professional Semester 2.**

### Professional Semester 2

Code and Title	Hours
<b>Professional Studies</b>	
CEE 401 Managing Effective Classrooms	1.5
<b>Teaching Field</b>	
CEE 365 Lit for EC and ELE Ages	3
CEE 370 Teaching Reading Elem School	3
CEE 380 Tch Early/Elem Mathematics	3
CEE 492 Engaging Children ECE	3
CEE 495 Practicum	3
<b>Total Hours</b>	<b>16.5</b>

**All required science and social science/humanities coursework must be completed prior to Professional Semester 3.**

### Professional Semester 3

Code and Title	Hours
<b>Professional Studies</b>	
BER 450 Assess Of Classrm Learnng	3
CEE 401 Managing Effective Classrooms	1.5
<b>Teaching Field</b>	
CEE 304 Tch Early/ELE Sch Science	3
CEE 366 Tch Social Sci for Early/ELE	3
CEE 478 Teaching Lang Arts in EC/ELE	3
CEE 496 Senior Practicum	3
<b>Total Hours</b>	<b>16.5</b>

### Professional Semester 4

Code and Title	Hours
<b>Internship</b>	
CEE 497 EC/ELE Internship <sup>1</sup>	6
CEE 497 EC/ELE Internship <sup>1</sup>	6
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>13</b>

**Footnotes**

<sup>1</sup> Elementary education students are required to complete two internship placements; therefore, students should enroll in equal hours of two sections of CEE 497 EC/ELE Internship. An adviser should be consulted for appropriate internship hours.

## Middle-Level Teaching Fields (Grades 4-8)

Contact the Office of Student Services & Certification for information.

Our graduates are certified to teach Elementary (kindergarten through 6th grade) and Early Childhood (preschool through 3rd grade) in Alabama.

## Types of Jobs Accepted

Graduates accept jobs in public and private early childhood, elementary, and middle schools in Alabama and may apply for jobs in other states that have signed a compact for reciprocal certification.

## Jobs of Experienced Alumni

Alumni often return for additional degrees or certifications. They can then work as special educators, reading specialists, curriculum specialists, counselors, administrators or educational psychologists.

Learn more about opportunities in this field at the Career Center

## Secondary Education, BSE

The secondary education program offers exemplary professional programs that prepare educators to be reflective decision-makers, researchers, and facilitators of student learning. The programs in secondary education lead to the Bachelor of Science in Education degree and the Alabama Class B (grades 6–12) professional certificate in the areas of English language arts, foreign language education (French, German, Latin, and Spanish), mathematics, general science (biology, chemistry, or physics major), and general social science. Students complete their internships in the Tuscaloosa area; however, there are opportunities to student teach abroad in countries such as England, Ireland, and South Africa. Faculty provide students with many opportunities to become involved in scholarly endeavors such as conducting research, presenting papers at conferences, and co-authoring articles. Secondary education students are typically interested in pursuing careers as middle and/or high school teachers.

The undergraduate catalog is published annually. Program advising sheets are updated much more frequently and are thus likely to provide the most up-to-date information on degree and other requirements. Students should always obtain the most recent advising sheets, available from academic advisors and in 104 Carmichael Hall. Further information on recommended course sequences should also be obtained from 204 Aurtherine Lucy Hall.

### Requirements for Secondary Education (6-12) Teaching Fields English Language Arts (Comprehensive, 6-12)

The programs in secondary education require the completion of a minimum of 120 semester hours as specified below and lead to the bachelor of science in education degree and the Alabama Class B (6-12) Professional Certificate.

**NOTE:** Admission to this program is competitive; meeting stated criteria does not guarantee admission. Rather, persons who meet stated criteria are guaranteed consideration for admission to the teacher education program. Each student must satisfactorily complete a writing assessment and an admission interview. An individual may request from the program coordinator or his or her adviser information concerning summative data on the most recent previous admissions.

#### General Studies (60 Hours)

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

Area V: EDU 200 is required.

#### Professional Studies (32-35 Hours)

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses. A student may not enroll in more than the five professional studies courses prior to unconditional admission to TEP.

Code and Title	Hours
BEF/BEP 360 Social Psychol Foundtns Educ	3
BER 450 Assess Of Classrm Learnng	3
CRD 412 Impr Read Second Schools	3
CSE 390 Instructn Accomd Sec Sch	3
CSE 493 Diversity Block Seminar	1
CSE 489 Clinicl Exper Second School	3
SPE 300 Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course <sup>1</sup>	3
CSE 479 Teach Second Sch English	
<b>Internship</b>	
CSE 497 Secondary School Teaching	9-12
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>32-35</b>

#### Footnotes

<sup>1</sup> This is a methods course that is a prerequisite for the internship (formerly called student teaching). The student must be admitted to the teacher education program before this course is taken. Failure to be admitted on time will significantly delay the internship and graduation as well. (CSE 489 Clinicl Exper Second School, CRD 412 Impr Read Second Schools, BER 450 Assess Of Classrm Learnng and methods courses are taken concurrently.)

#### Teaching Field

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses.

Code and Title	Hours
COM 101 Principles Human Communication	3
COM 123 Public Speaking	3
CSE 455 Adolescent Literature	3
CSE 469 Pedagogical Grammar	3
CSE 470 Teaching Writing 6-12	3
Select TWO of the following sequences:	12
EN 205 English Literature I & EN 206 and English Literature II	
EN 207 World Literature I & EN 208 and World Literature II	
EN 209 American Literature & EN 210 and American Literature II	
EN 249 African American Literature I & EN 250 and African American Literature II	
EN 320 or EN 321 Intro To Linguistics Linguis Approach English Gramr	3
EN 411 or EN 488 Adv Stdy Comptv Multi-Cutl Lit Adv Stdy African American Lit	3
EN 300 Intro To English Studies	3
EN 333 Shakespeare	3
EN 344 Major Authors 1660-1900	3
EN 422 Adv Studies Americ Literature	3
EN 433 Advanced Studies British Lit	3
EN 300-400 level (advisor approved elective)	3
EN 300-400 level (advisor approved elective)	3
TH 114 Intro To The Theatre	3
JCM 200 or Found. for Journalism Practice	3



**Total Hours** 60

## French

The programs in secondary education require the completion of a minimum of 120 semester hours as specified below and lead to the bachelor of science in education degree and the Alabama Class B (6-12) Professional Certificate.

**NOTE:** Admission to this program is competitive; meeting stated criteria does not guarantee admission. Rather, persons who meet stated criteria are guaranteed consideration for admission to the teacher education program. Each student must satisfactorily complete a writing assessment and an admission interview. An individual may request from the program coordinator or his or her adviser information concerning summative data on the most recent previous admissions.

### General Studies (60 Hours)

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

Area V: EDU 200 is required.

### Professional Studies (32-25 Hours)

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses. A student may not enroll in more than the five professional studies courses prior to unconditional admission to TEP.

Code and Title	Hours
BEF/BEP 360 Social Psychol Foundtns Educ	3
BER 450 Assess Of Classrm Learnng	3
CRD 412 Impr Read Second Schools	3
CSE 390 Instructn Accomd Sec Sch	3
CSE 493 Diversity Block Seminar	1
CSE 489 Clinicl Exper Second School	3
SPE 300 Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course (Select the appropriate course for 6-12 or P-12 certification.) <sup>1</sup>	3
CSE 480 Teach Sec Sch Forgn Lang (for 6-12)	
CIE 480 Meth Teach Foreign Langs (for P-12)	
<b>Internship</b>	
(For internship, select CSE 497 for 6-12 or CIE 497 for P-12.)	
CSE 497 or Secondary School Teaching	9-12
CIE 497 Intern Foreign Lang Educ	
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>32-35</b>

### Footnotes

<sup>1</sup> This is a methods course that is a prerequisite for the internship (formerly called student teaching). The student must be admitted to the teacher education program before this course is taken. Failure to be admitted on time will significantly delay the internship and graduation as well. (CSE 489 Clinicl Exper Second School, CRD 412 Impr Read Second Schools, BER 450 Assess Of Classrm Learnng and methods courses are taken concurrently.) Depending on the teaching field, a student may be required to take an additional CSE 489 Clinicl Exper Second School and methods course.

### Teaching Field

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses.

Code and Title	Hours
FR 201 Intermediate French	3
FR 202 Intermediate French	3
FR 321 Writing and Imagination	3
FR 323 Writing and Analysis	3
FR 331 or French Civilization	3
FR 431 Contemp French Civiliztn	
FR 421 Pronunciation & Phonetics	3
Select two of the following:	6
FR 361 Intro Romance Linguistic	
FR 461 French Linguistics	
FR 470 Undergrad Sem In French	
FR 480 Special Topics	
Select two of the following:	6
FR 341 Survey Fr Literature I	
FR 351 Survey Fr Literature II	
FR 470 Undergrad Sem In French	
FR 480 Special Topics	
Advisor-approved FR electives	6
<b>Total Hours</b>	<b>36</b>

Additional adviser-approved electives may be necessary to meet the 120-hour degree requirement.

To expand certification in this foreign language field to the P-12 level, students should complete the requirements above and add the following courses:

Code and Title	Hours
CEE 320 Survey of EC/ELE	3
CEE 365 Lit for EC and ELE Ages	3
HD 101 Life Span Human Development	3

Additionally, the internship should be Intern Foreign Language Education CIE 497 Intern Foreign Lang Educ, which will be divided between the P-6 and 6-12 levels.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

## German

The programs in secondary education require the completion of a minimum of 120 semester hours as specified below and lead to the

bachelor of science in education degree and the Alabama Class B (6-12) Professional Certificate.

**NOTE:** Admission to this program is competitive; meeting stated criteria does not guarantee admission. Rather, persons who meet stated criteria are guaranteed consideration for admission to the teacher education program. Each student must satisfactorily complete a writing assessment and an admission interview. An individual may request from the program coordinator or his or her adviser information concerning summative data on the most recent previous admissions.

## General Studies (60 Hours)

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

Area V: EDU 200 is required.

## Professional Studies (32-35 Hours)

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses. A student may not enroll in more than the five professional studies courses prior to unconditional admission to TEP.

Code and Title	Hours
BEF/BEP 360 Social Psychol Foundtns Educ	3
BER 450 Assess Of Classrm Learnng	3
CRD 412 Impr Read Second Schools	3
CSE 390 Instructn Accomd Sec Sch	3
CSE 493 Diversity Block Seminar	1
CSE 489 Clinicl Exper Second School	3
SPE 300 Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course (Select the appropriate course for 6-12 or P-12 certification.) <sup>1</sup>	3
CSE 480 Teach Sec Sch Forgn Lang (for 6-12)	
CIE 480 Meth Teach Foreign Langs (for P-12)	
<b>Internship</b>	
(For internship, select CSE 497 for 6-12 or CIE 497 for P-12.)	
CSE 497 or CIE 497 Secondary School Teaching Intern Foreign Lang Educ	9-12
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>32-35</b>

### Footnotes

<sup>1</sup> This is a methods course that is a prerequisite for the internship (formerly called student teaching). The student must be admitted to the teacher education program before this course is taken. Failure to be admitted on time will significantly delay the internship and graduation as well. (CSE 489 Clinicl Exper Second School, CRD 412 Impr Read Second Schools, BER 450 Assess Of Classrm Learnng and methods courses are taken concurrently.) Depending on the teaching field, a student may be required to take an additional CSE 489 Clinicl Exper Second School and methods course.

## Teaching Field

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses.

Code and Title	Hours
Select one of the following Elementary German options:	4-8
GN 101 & GN 102 Elementary German I and Elementary German II	
GN 103 Accelerated Elementary German <sup>1</sup>	
GN 201 Intermediate German I	3
GN 202 Intermediate German II	3
GN 361 & GN 362 Interm Convers Comp I and Interm Convers Comp II	6
GN 371 & GN 372 Gn Cult Civil Thru 1832 and Germn Cult Civ 1832-Present	6
GN 403 Undergraduate Seminar	3
Approved 300-level or higher GN elective	6
Advisor-approved elective	3
NOTE: A minimum of two advisor-approved literature courses: <sup>2</sup>	
GN 264 German Literature Translatn I	
GN 265 German Lit In Translatn II	
GN 403 Undergraduate Seminar	
GN 404 Undergraduate Seminar	
<b>Total Hours</b>	<b>34-38</b>

### Footnotes

<sup>1</sup> See German adviser regarding this option.

<sup>2</sup> Recommended courses, or a topic-appropriate course.

Additional adviser-approved electives may be necessary to meet the 120-hour degree requirement.

To expand certification in this foreign language field to the P-12 level, students should complete the requirements above and add the following courses:

Code and Title	Hours
CEE 320 Survey of EC/ELE	3
CEE 365 Lit for EC and ELE Ages	3
HD 101 Life Span Human Development	3

Additionally, the internship should be CIE 497 Intern Foreign Lang Educ, which will be divided between the P-6 and 6-12 levels. See general studies requirements listed earlier in this section.

## Latin

The programs in secondary education require the completion of a minimum of 120 semester hours as specified below and lead to the bachelor of science in education degree and the Alabama Class B (6-12) Professional Certificate.

**NOTE:** Admission to this program is competitive; meeting stated criteria does not guarantee admission. Rather, persons who meet stated criteria are guaranteed consideration for admission to the teacher education program. Each student must satisfactorily complete a writing assessment and an admission interview. An individual may request from the program coordinator or his or her adviser information concerning summative data on the most recent previous admissions.

## General Studies (60 Hours)

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

Area V: EDU 200 is required.

## Professional Studies (32-35 Hours)

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses. A student may not enroll in more than the five professional studies courses prior to unconditional admission to TEP.

Code and Title	Hours
BEF/BEP 360 Social Psychol Foundtns Educ	3
BER 450 Assess Of Classrm Learnng	3
CRD 412 Impr Read Second Schools	3
CSE 390 Instructn Accomd Sec Sch	3
CSE 493 Diversity Block Seminar	1
CSE 489 Clinicl Exper Second School	3
SPE 300 Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course (Select the appropriate course for 6-12 or P-12 certification.) <sup>1</sup>	3
CSE 480 Teach Sec Sch Forgn Lang (6-12)	
CIE 480 Meth Teach Foreign Langs (P-12)	
<b>Internship</b>	
(For internship, select CSE 497 for 6-12 or CIE 497 for P-12.)	
CSE 497 or Secondary School Teaching	9-12
CIE 497 Intern Foreign Lang Educ	
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>32-35</b>

### Footnotes

<sup>1</sup> This is a methods course that is a prerequisite for the internship (formerly called student teaching). The student must be admitted to the teacher education program before this course is taken. Failure to be admitted on time will significantly delay the internship and graduation as well. (CSE 489 Clinicl Exper Second School, CRD 412 Impr Read Second Schools, BER 450 Assess Of Classrm Learnng and methods courses are taken concurrently.) Depending on the teaching field, a student may be required to take an additional CSE 489 Clinicl Exper Second School and methods course.

## Teaching Field

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses.

Code and Title	Hours
CL 222 Greek Roman Mythology	3
CL 350 Roman Religion (or equivalent 300-level or higher culture elective)	3
CL 380 Special Topics (or equivalent literature elective)	3
CL 386 History Of Rome	3
LA 101 Elementary Latin I	3
LA 102 Elementary Latin II	3

LA 201	Intermed Latin Read I	3
LA 202	Intermed Latin Read II	3
LA 301	Survey Lit Roman Republ	3
LA 302	Survey Lit Of Empire	3
LA 490	Readings In Latin Literature	3
Advisor-approved electives (300-level or higher)		3
<b>Total Hours</b>		<b>36</b>

Additional adviser-approved electives may be necessary to meet the 120-hour degree requirement.

To expand certification in this foreign language field to the P-12 level, students should complete the requirements above and add the following courses:

Code and Title	Hours
CEE 320 Survey of EC/ELE	3
CEE 365 Lit for EC and ELE Ages	3
HD 101 Life Span Human Development	3

Additionally, the internship should be CIE 497 Intern Foreign Lang Educ, which will be divided between the P-6 and 6-12 levels. See general studies requirements listed earlier in this section.

## Mathematics (6-12)

The programs in secondary education require the completion of a minimum of 120 semester hours as specified below and lead to the bachelor of science in education degree and the Alabama Class B (6-12) Professional Certificate.

**NOTE:** Admission to this program is competitive; meeting stated criteria does not guarantee admission. Rather, persons who meet stated criteria are guaranteed consideration for admission to the teacher education program. Each student must satisfactorily complete a writing assessment and an admission interview. An individual may request from the program coordinator or his or her adviser information concerning summative data on the most recent previous admissions.

## General Studies (60 Hours)

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

Area III, PH 105 is suggested as a science course.

Area V: EDU 200 is required.

## Professional Studies (32-35 Hours)

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses. A student may not enroll in more than the five professional studies courses prior to unconditional admission to TEP.

Code and Title	Hours
BEF/BEP 360 Social Psychol Foundtns Educ	3
BER 450 Assess Of Classrm Learnng	3
CRD 412 Impr Read Second Schools	3
CSE 390 Instructn Accomd Sec Sch	3
CSE 493 Diversity Block Seminar	1

CSE 489	Clinicl Exper Second School	3
SPE 300	Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course <sup>1</sup>		
CSE 483	Teach Second School Math	3
<b>Internship</b>		
CSE 497	Secondary School Teaching	9-12
EDU 400	Internship Seminar	1
<b>Total Hours</b>		<b>32-35</b>

**Footnotes**

<sup>1</sup> This is a methods course that is a prerequisite for the internship (formerly called student teaching). The student must be admitted to the teacher education program before this course is taken. Failure to be admitted on time will significantly delay the internship and graduation as well. (CSE 489 Clinicl Exper Second School, CRD 412 Impr Read Second Schools, BER 450 Assess Of Classrm Learnng and methods courses are taken concurrently.)

**Teaching Field**

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses.

Code and Title	Hours
Choose CS 100 or CS 104 (preferred)	3-4
CSE 401 Tech for Teaching Sec. Math	3
CSE 406 Curriculum Secondary Math (Admission to TEP is required.)	3
MATH 125 Calculus I	4
MATH 126 Calculus II	4
MATH 227 Calculus III	4
MATH 237 Introduction to Linear Algebra	3
MATH 238 Appld Diff Equations I	3
MATH 301 Discrete Mathematics	3
MATH 355 Theory Of Probability	3
MATH 403 Algebra: Secondary Teachers	3
MATH 405 Geometry: Secondary Teachers	3
MATH 409 Data Analysis: Sec Teachers	3
MATH elective (Select one of the following)	3
MATH 371 Advanced Linear Algebra	
MATH 410 Numerical Linear Algebra	
MATH 451 Math Stats W/Applictn I	
MATH 470 Prin Modern Algebra I	
MATH 485 Intro Complex Variables	
MATH 486 Real Analysis I	
MATH 499 Undergrad Research Exp	
<b>Total Hours</b>	<b>45-46</b>

A student's proficiency in the content of MATH 112 Precalculus Algebra and MATH 115 Precalc Algebra & Trig will be tested. The scores achieved determine whether a student must complete one or more of these courses as prerequisites for the following coursework in the major. Credit for courses numbered below MATH 125 Calculus I may be applied to the degree requirements only as elective credit. See general studies requirements listed earlier in this section.

**General Science (Comprehensive, 6-12) with content major of Biology**

The programs in secondary education require the completion of a minimum of 120 semester hours as specified below and lead to the bachelor of science in education degree and the Alabama Class B (6-12) Professional Certificate.

**NOTE:** Admission to this program is competitive; meeting stated criteria does not guarantee admission. Rather, persons who meet stated criteria are guaranteed consideration for admission to the teacher education program. Each student must satisfactorily complete a writing assessment and an admission interview. An individual may request from the program coordinator or his or her adviser information concerning summative data on the most recent previous admissions.

**General Studies (60 Hours)**

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

Area V: EDU 200 is required.

**Professional Studies (35 Hours)**

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses. A student may not enroll in more than the five professional studies courses prior to unconditional admission to TEP.

Code and Title	Hours
BEF/BEP 360 Social Psychol Foundtns Educ	3
BER 450 Assess Of Classrm Learnng	3
CRD 412 Impr Read Second Schools	3
CSE 390 Instructn Accomd Sec Sch	3
CSE 476 Improving Science Teaching	3
CSE 493 Diversity Block Seminar	1
CSE 489 Clinicl Exper Second School	3
SPE 300 Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course <sup>1</sup>	
CSE 486 Teach Second Sch Science	3
<b>Internship</b>	
CSE 497 Secondary School Teaching	9
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>35</b>

**Footnotes**

<sup>1</sup> This is a methods course that is a prerequisite for the internship (formerly called student teaching). The student must be admitted to the teacher education program before this course is taken. Failure to be admitted on time will significantly delay the internship and graduation as well. (CSE 489 Clinicl Exper Second School, CRD 412 Impr Read Second Schools, BER 450 Assess Of Classrm Learnng and methods courses are taken concurrently.)

## Teaching Field

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses.

Code and Title	Hours
<b>Biology</b>	
BSC 114 Principles Of Biology I	3
BSC 115 Laboratory Biology I	1
BSC 116 Principles Biology II	3
BSC 117 Laboratory Biology II	1
BSC 215 Human Anatomy & Physiology I	4
BSC 216 Human Anatomy & Physiology II	4
BSC 300 Cell Biology	3
BSC 315 Genetics	3
BSC 385 Ecology and Evolution	3
300-level or higher Advisor-approved BSC elective	4
300-level or higher Advisor-approved BSC or MS elective	3-4
Select one of the following:	4
BSC 303 Field Zoology	
BSC 320 Freshwater Studies	
BSC 373 Vertebrate Zoology	
BSC 400 Vertebrate Funct Morphol	
BSC 428 Biology Of Fishes	
BSC 464 Biology Of Algae	
BSC 472 Mycology	
BSC 476 Aquatic Insects	
BSC 490 Stream Ecology	
Select one of the following laboratory electives: (Some require a corequisite lecture that can be taken as an elective.)	2-4
BSC 312 Microbiology Lab	
BSC 313 Gen Bacteriology Lab	
BSC 314 Dendrology	
BSC 386 General Ecology Lab	
BSC 425 Human Physiology Lab	
BSC 439 Bch/Molecular Biology Lab	
BSC 442 Integrated Genomics	
BSC 497 Special Topics	
MATH 125 Calculus I	4
<b>Chemistry</b>	
CH 101 General Chemistry	4
CH 102 General Chemistry	4
CH 231 Elem Organic Chemistry I	3
CH 232 Elem Organic Chem II	3
CH 237 Elem Organic Chem Lab	2
<b>Physics</b>	
PH 101 General Physics I	4
PH 102 General Physics II	4
<b>Integrated Science</b>	
AEM 120, or AY 101 and AY 102	4
GEO 101 The Dynamic Earth	4
<b>Total Hours</b>	<b>74-77</b>

## General Science (Comprehensive, 6-12) with content major of Chemistry

The programs in secondary education require the completion of a minimum of 120 semester hours as specified below and lead to the bachelor of science in education degree and the Alabama Class B (6-12) Professional Certificate.

**NOTE:** Admission to this program is competitive; meeting stated criteria does not guarantee admission. Rather, persons who meet stated criteria are guaranteed consideration for admission to the teacher education program. Each student must satisfactorily complete a writing assessment and an admission interview. An individual may request from the program coordinator or his or her adviser information concerning summative data on the most recent previous admissions.

### General Studies (60 Hours)

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

Area V: EDU 200 is required.

### Professional Studies (35 Hours)

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses. A student may not enroll in more than the five professional studies courses prior to unconditional admission to TEP.

Code and Title	Hours
BEF/BEP 360 Social Psychol Foundtns Educ	3
BER 450 Assess Of Classrm Learnng	3
CRD 412 Impr Read Second Schools	3
CSE 390 Instructn Accomd Sec Sch	3
CSE 476 Improving Science Teaching	3
CSE 493 Diversity Block Seminar	1
CSE 489 Clinicl Exper Second School	3
SPE 300 Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course <sup>1</sup>	3
CSE 486 Teach Second Sch Science	
<b>Internship</b>	
CSE 497 Secondary School Teaching	9
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>35</b>

#### Footnotes

<sup>1</sup> This is a methods course that is a prerequisite for the internship (formerly called student teaching). The student must be admitted to the teacher education program before this course is taken. Failure to be admitted on time will significantly delay the internship and graduation as well. (CSE 489 Clinicl Exper Second School, CRD 412 Impr Read Second Schools, BER 450 Assess Of Classrm Learnng and methods courses are taken concurrently.)

## Teaching Field

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses.

Code and Title	Hours	
<b>Chemistry</b>		
CH 101 or CH 117	General Chemistry Honors General Chemistry	4
CH 102 or CH 118	General Chemistry Honors General Chemistry	4
CH 223	Quantitative Analysis	4
CH 231	Elem Organic Chemistry I	3
CH 232	Elem Organic Chem II	3
CH 237	Elem Organic Chem Lab	2
CH 338	Elem Organic Chem Lab II	2
CH 340	Elem Physical Chem	3
CH 343	Elem Phy Chem Lab	1
CH 413	Inorganic Chemistry	4
CH 461	Biochemistry I	3
CH 462	Biochemistry II	3
CH 463	Biochem-Clin/Foren/Chem	3
<b>Mathematics</b>		
MATH 125	Calculus I	4
MATH 126	Calculus II	4
<b>Biology</b>		
BSC 114 and BSC 115, or BSC 118		4
BSC 116 and BSC 117, or BSC 120		4
<b>Physics</b>		
PH 101 or PH 105 or PH 125		4
PH 102 or PH 106 or PH 126		4
PH 253	Intro Modern Physics	3
PH 255	Modern Physics Lab	1
Select one of the following:		3-4
PH 354	Intermediate Modern Physics	
PH 405	Physics For Science Teachers	
PH 411	Biophysics	
<b>Integrated Science</b>		
AEM 120, or AY 101 and AY 102		4
GEO 101	The Dynamic Earth	4
<b>Total Hours</b>		<b>78-79</b>

## General Science (Comprehensive, 6-12) with content major of Physics

The programs in secondary education require the completion of a minimum of 120 semester hours as specified below and lead to the bachelor of science in education degree and the Alabama Class B (6-12) Professional Certificate.

**NOTE:** Admission to this program is competitive; meeting stated criteria does not guarantee admission. Rather, persons who meet stated criteria are guaranteed consideration for admission to the teacher education program. Each student must satisfactorily complete a writing assessment and an admission interview. An individual may request from the program coordinator or his or her adviser information concerning summative data on the most recent previous admissions.

## General Studies (60 Hours)

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

Area V: EDU 200 is required.

## Professional Studies (35 Hours)

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses. A student may not enroll in more than the five professional studies courses prior to unconditional admission to TEP.

Code and Title	Hours	
BEF/BEP 360	Social Psychol Foundtns Educ	3
BER 450	Assess Of Classrm Learnng	3
CRD 412	Impr Read Second Schools	3
CSE 390	Instructn Accomd Sec Sch	3
CSE 476	Improving Science Teaching	3
CSE 493	Diversity Block Seminar	1
CSE 489	Clinicl Exper Second School	3
SPE 300	Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course <sup>1</sup>		3
CSE 486	Teach Second Sch Science	
<b>Internship</b>		
CSE 497	Secondary School Teaching	9
EDU 400	Internship Seminar	1
<b>Total Hours</b>		<b>35</b>

### Footnotes

<sup>1</sup> This is a methods course that is a prerequisite for the internship (formerly called student teaching). The student must be admitted to the teacher education program before this course is taken. Failure to be admitted on time will significantly delay the internship and graduation as well. (CSE 489 Clinicl Exper Second School, CRD 412 Impr Read Second Schools, BER 450 Assess Of Classrm Learnng and methods courses are taken concurrently.)

## Teaching Field

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses.

Code and Title	Hours	
<b>Physics</b>		
PH 101, PH 105, or PH 125	4	
PH 102, PH 106, or PH 126	4	
PH 253	Intro Modern Physics	3
PH 255	Modern Physics Lab	1
PH 301 or PH 302	Mechanics I Intermediate Mechanics	3
PH 331	Elect & Magnetism I	3
PH 354	Intermediate Modern Physics	3
PH 405	Physics For Science Teachers	3
PH 491	Advanced Laboratory	3

Advisor-approved PH electives, 300-level or higher	6
MATH 125 or Calculus I	4
MATH 145 Honors Calculus I	
MATH 126 or Calculus II	4
MATH 146 Honors Calculus II	
MATH 227 or Calculus III	4
MATH 247 Honors Calculus III	
MATH 238 Appld Diff Equations I	3
<b>Biology</b>	
BSC 114 Principles Of Biology I	3
BSC 115 Laboratory Biology I	1
BSC 116 Principles Biology II	3
BSC 117 Laboratory Biology II	1
<b>Chemistry</b>	
CH 101 or General Chemistry	4
CH 117 Honors General Chemistry	
CH 102 or General Chemistry	4
CH 118 Honors General Chemistry	
CH 231 Elem Organic Chemistry I	3
CH 232 Elem Organic Chem II	3
CH 237 Elem Organic Chem Lab	2
<b>Integrated Science</b>	
AEM 120, or AY 101 and AY 102	4
GEO 101 The Dynamic Earth	4
<b>Total Hours</b>	<b>80</b>

## General Social Science (Comprehensive, 6-12)

The programs in secondary education require the completion of a minimum of 120 semester hours as specified below and lead to the bachelor of science in education degree and the Alabama Class B (6-12) Professional Certificate.

**NOTE:** Admission to this program is competitive; meeting stated criteria does not guarantee admission. Rather, persons who meet stated criteria are guaranteed consideration for admission to the teacher education program. Each student must satisfactorily complete a writing assessment and an admission interview. An individual may request from the program coordinator or his or her adviser information concerning summative data on the most recent previous admissions.

### General Studies (60 Hours)

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

Area V: EDU 200 is required.

### Professional Studies (35-38 Hours)

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses. A student may not enroll in more than the five professional studies courses prior to unconditional admission to TEP.

Code and Title	Hours
BEF/BEP 360 Social Psychol Foundtns Educ	3
BER 450 Assess Of Classrm Learnng	3
CRD 412 Impr Read Second Schools	3
CSE 390 Instructn Accomd Sec Sch	3
CSE 485 Inquiry in Social Studies	3
CSE 493 Diversity Block Seminar	1
CSE 489 Clinicl Exper Second School	3
SPE 300 Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course <sup>1</sup>	3
CSE 487 Teach Second Soc Science	
<b>Internship</b>	
CSE 497 Secondary School Teaching	9-12
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>35-38</b>

#### Footnotes

<sup>1</sup> This is a methods course that is a prerequisite for the internship (formerly called student teaching). The student must be admitted to the teacher education program before this course is taken. Failure to be admitted on time will significantly delay the internship and graduation as well. (CSE 489 Clinicl Exper Second School, CRD 412 Impr Read Second Schools, BER 450 Assess Of Classrm Learnng and methods courses are taken concurrently.)

### Teaching Field

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses.

Code and Title	Hours
From general studies students must select:	
EC 110 Principles of Microeconomics	3
EC 111 Principles of Macroeconomics	3
GY 110 or People, Places, & Environment	3
GY 105 World Regional Geography	
GY 300+ (advisor-approved elective)	3
HY 101 Western Civ To 1648	3
HY 102 Western Civ Since 1648	3
HY 103 American Civilization to 1865	3
HY 104 Am Civ Since 1865	3
HY 117 World History to 1500	3
One HY 300-level or higher U.S. elective	3
One HY 300-level or higher European or British elective	3
One HY 300-level or higher African, Asian, or Latin American elective	3
Three HY 300-level or higher electives	9
HY 497 Capstone Research Seminar	3
PSC 101 Intro American Politics	3
PSC 203 Comparative Politics	3
PY 101 Intro To Psychology	3
SOC 101 Intro To Sociology	3
<b>Total Hours</b>	<b>60</b>

## Spanish (6-12)

The programs in secondary education require the completion of a minimum of 120 semester hours as specified below and lead to the bachelor of science in education degree and the Alabama Class B (6-12) Professional Certificate.

**NOTE:** Admission to this program is competitive; meeting stated criteria does not guarantee admission. Rather, persons who meet stated criteria are guaranteed consideration for admission to the teacher education program. Each student must satisfactorily complete a writing assessment and an admission interview. An individual may request from the program coordinator or his or her adviser information concerning summative data on the most recent previous admissions.

### General Studies (60 Hours)

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

See general studies requirements listed earlier in this section. Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

Area V: EDU 200 is required.

### Professional Studies (32-35 Hours)

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses. A student may not enroll in more than the five professional studies courses prior to unconditional admission to TEP.

Code and Title	Hours
BEF/BEP 360 Social Psychol Foundtns Educ	3
BER 450 Assess Of Classrm Learnng	3
CRD 412 Impr Read Second Schools	3
CSE 390 Instructn Accomd Sec Sch	3
CSE 493 Diversity Block Seminar	1
CSE 489 Clinicl Exper Second School	3
SPE 300 Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course (Select the appropriate course for 6-12 or P-12 certification.) <sup>1</sup>	3
CSE 480 Teach Sec Sch Forgn Lang (6-12)	
CIE 480 Meth Teach Foreign Langs (P-12)	
<b>Internship</b>	
(For internship, select CSE 497 for 6-12 or CIE 497 for P-12.)	
CSE 497 or CIE 497 Secondary School Teaching Intern Foreign Lang Educ	9-12
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>32-35</b>

### Footnotes

<sup>1</sup> This is a methods course that is a prerequisite for the internship (formerly called student teaching). The student must be admitted to the teacher education program before this course is taken. Failure to be admitted on time will significantly delay the internship and graduation as well. (CSE 489 Clinicl Exper Second School, CRD 412 Impr Read Second Schools, BER 450 Assess Of Classrm Learnng and methods courses are taken concurrently.) Depending on the teaching field, a student may be required to take an additional CSE 489 Clinicl Exper Second School and methods course.

### Teaching Field

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses.

Content Major: Spanish	Hours
SP 201 Intermediate Spanish	3
SP 202 Intermediate Spanish	3
SP 353 Spanish Conversation	3
SP 356 Adv Grammar And Compos	3
SP 361 Intro Romance Linguistic (preferred, or SP 300-level or higher elective)	3
SP 364 or SP 366 Cultures of Spain Cultures of Latin America	3
Select two of the following:	6
SP 371 or SP 375 Lit. & Cult. of Sp. pre-1800 LatAm Lit. & Cult. pre-1900	
SP 372 or SP 376 Lit. & Cult. of Sp. post-1800 LatAm Lit. & Cult. post-1900	
SP 484 Adv. Sp. Phonetics and Dialect	3
SP 491 Cervantes	3
SP 400-level elective	3
Two Advisor-approved electives	6
<b>Total Hours</b>	<b>39</b>

Additional adviser-approved electives may be necessary to meet the 120-hour degree requirement.

To expand certification in this foreign language field to the P-12 level, students should complete the requirements above and add the following courses:

Code and Title	Hours
CEE 320 Survey of EC/ELE	3
CEE 365 Lit for EC and ELE Ages	3
HD 101 Life Span Human Development	3

Additionally, the internship should be CIE 497 Intern Foreign Lang Educ, which will be divided between the P-6 and 6-12 levels. See general studies requirements listed earlier in this section.

## Middle-Level Teaching Fields (4-8)

Contact the Office of Student Services & Certification in 104 Carmichael Hall for information.

## Types of Jobs Accepted

Graduates of the Secondary Education program are teaching in many school systems in Alabama and across the country.

Learn more about opportunities in this field at the Career Center



# Department of Educational Leadership, Policy and Technology Studies

Professor Angela Benson, Department Head  
Office: 301-C Autherine Lucy Hall

## Computers and Applied Technology (CAT)

Associate Professor Margaret Rice (Program Coordinator)  
Office: 315-F Autherine Lucy Hall

Computers and Applied Technology offers three undergraduate courses: CAT 100 Computer Concepts & Application, CAT 200 Computer Education Application, and CAT 250 Computer Educ Curric Devel. CAT 200 and CAT 250 are designed as "C" courses and are commonly used to satisfy part of the general studies requirements for the College of Education baccalaureate degree and the University's core curriculum requirement for foreign language/computer science. CAT 100 is taken as an elective by students across the university.

## Social and Cultural Studies in Education (BEF)

Professor John Petrovic (Program Coordinator)  
Office: 307-B Autherine Lucy Hall

Social and Cultural Studies course offerings include Educational Foundations courses that support key teaching standards for undergraduate and graduate educator preparation programs throughout the College of Education and for programs in other units of the College and the University. Students in a teacher education program are typically required to take at least one Foundations of Education course covering studies in philosophy, history and sociology of education. There is also a series of courses dedicated to the undergraduate minor in Educational Policy and Reform.

### • Educational Policy and Reform Minor (p. 634)

#### Department Head

- Angela D. Benson

#### Professors

- Natalie Adams
- Angela D. Benson
- Nathaniel James Bray
- Nirmala Erevelles
- Donald L. Gilstrap
- Peter S. Hlebowitsh
- Karri Holley
- Bob L. Johnson
- Stephen G. Katsinas
- Claire Howell Major
- Douglas McKnight
- Roxanne Mitchell
- John E. Petrovic

#### Associate Professors

- Becky Atkinson
- Andre R. Denham
- David Hardy
- Steve Mobley, Jr.

- Margaret L. Rice
- Jing Ping Sun

#### Assistant Professors

- Feiya Luo
- Jewoong Moon

#### Clinical Professor

- Arleene Breaux
- Brenda Mendiola

#### Clinical Associate Professors

- Yvette Bynum
- James Hardin

#### Clinical Assistant Professors

- Ammie Akin
- William Bergeron
- Laura McNeill
- Akeisha Young

#### BEF360 Social Psychol Foundtns Educ

Hours 3

An examination of the foundations of education in a modern democratic society and the critical project of promoting social justice through schooling. Attention is also paid to how theories of human nature and the idea of the social good shape distinctive philosophies of education.

Prerequisite(s): PY 101 or PY 105, and HD 101

#### CAT100 Computer Concepts & Applicatn

Hours 3

Fundamentals of computer use in education, including software applications, keyboard functions, peripherals, utilities, and software.

[View All Courses](#)

## Faculty

#### Department Head

Angela D. Benson

#### Professors

Natalie Adams  
Angela D. Benson  
Nathaniel James Bray  
Nirmala Erevelles  
Donald L. Gilstrap  
Peter S. Hlebowitsh  
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James Hardin

#### Clinical Assistant Professors

Ammie Akin

William Bergeron

Laura McNeill

Akeisha Young

## Educational Policy and Reform Minor

This minor provides students with an introduction to the interdisciplinary field of educational policy. Students will analyze and evaluate the effects of key policies and reform movements in education. The course pays particular attention to how educational policy reshapes the institution of schooling, focusing on how it affects teaching practices, curriculum decision making, and student diversity concerns. This minor will enable students to pursue graduate education for research and teaching and to subsequently gain employment with non-governmental organizations (NGOs), policy think-tanks, and other academic and public service institutions. This minor is open to students from all majors.

Minor Courses		Hours
PSC 370	American Public Policy	3
BEF 483	Educational Policy and Reform (Intro to Educational Policy and Reform)	3
BEF 484	Church, State and Am Sch (Church, State, and American Education)	3
BEF 485	Language Politics	3
BEF 486	Educational Policy Analysis (Designing Educational Policy Research)	3
<b>Total Hours</b>		<b>15</b>

## Department of Educational Studies in Psychology, Research Methodology and Counseling

- Major
  - Educational Neuroscience, BS (p. 636)
  -

Associate Professor Firat Soylu, Program Coordinator

Office: 1038 Tom Barnes Education Center

Educational neuroscience is an interdisciplinary field bridging neuroscience and education. The main goals of the field are to understand mechanisms supporting cognitive abilities (language, reading, math etc.), how biological, socio-cultural, and environmental factors affect these abilities both in neurotypical and neurodivergent (e.g., autism, ADHD, dyslexia) individuals, and to interpret empirical findings for classroom practice. The educational neuroscience undergraduate students (1) learn about neural mechanisms supporting learning, cognition, and affect, (2) acquire hands-on research experiences and skills, and (3) develop statistical and computational skills. This program does not lead to a teaching certification.

### Program in Counselor Education, BCE

Associate Professor George Mugoya, Program Coordinator

Office: 315A Atherine Lucy Hall

The Program in Counselor Education assists undergraduate students in exploring counseling services that supplement elementary and secondary school academic programs. Undergraduates may examine the essential elements of school counseling and guidance either in preparation for employment in school settings or as a foundation for graduate study in counselor education.

### Program in Educational Psychology, BEP

Associate Professor Hyemin Han, Program Coordinator

Office: 1615 Capital Hall

Undergraduate coursework provided by the Program in Educational Psychology supports College of Education undergraduate teacher education programs and other programs across the University. The coursework is designed to provide basic knowledge and competencies related to human learning and development. The Program in Educational Psychology offers several graduate degrees, as described in The University of Alabama graduate catalog.

### Program in Educational Research, BER

Associate Professor Stephanie Shelton, Program Coordinator

Office: 308 Carmichael Hall

Courses provided by the Program in Educational Research support College of Education undergraduate teacher education programs and are designed to provide basic assessment competencies for future teachers.

### Program in School Psychology, BSP

Associate Professor Michael Sulkowski, Program Coordinator

Office: 302 Carmichael Hall

The Program in School Psychology offers several graduate degrees, as described in The University of Alabama graduate catalog.

#### Department Head

- Michael Lawson

#### Professors

- Joy Burnham
- Joni Lakin
- Randall Schumacker

#### Associate Professors

- Kelly Guyotte
- Hyemin Han
- Michael Lawson
- Junfei Lu

- George Mugoya
- Stephanie Shelton
- Firat Soylu
- Michael Lee Sulkowski
- David Ian Walker
- Stefanie Wind

#### **Assistant Professors**

- Eric Baltrinic
- Chunhua Cao
- Daniel Cohen
- Ryan Cook
- Heather Fye
- Teresa Grenawalt
- Joon-Ho Lee
- Emily Lund
- Wenchao Ma
- Kaiwen Man
- Laura M. Morett
- Macarena Suarez Pellicioni
- June Preast
- Shena Sanchez

#### **Clinical Professor**

- Karl Hamner

#### **Clinical Associate Professor**

- Stacy Hughey-Surman

#### **Clinical Assistant Professors**

- Heather Britnell
- Millie Dawson-Hardy
- Anthony Derriso
- Wenjing Guo
- Yurou Wang

#### **BCE101 Freshman Compass: UA**

*FCMP*

Hours 2

This course for first-year UA students provides an introduction to the nature of higher education and to the function, resources, and activities of The University of Alabama. This course is designed to help students make the transition to a large comprehensive research university, develop a better understanding of the learning process, and acquire basic academic survival skills. The ultimate goal of the course is to equip each student with the confidence and basic skills necessary for degree attainment.

Freshman Compass

#### **BEP110 Intro Learning Strateg Skills**

Hours 3

Provides students with a theoretical and practical understanding of the importance and use of specific learning strategies. This course will also engage students in reflective decision making and critical evaluation of their learning process.

#### **BER345 Educational Statistics**

Hours 3

Statistical methods in education; graphs, charts, frequency distributions, central tendencies, dispersion, correlation, sampling errors, estimation, and hypothesis testing.

[View All Courses](#)

### **Faculty**

#### **Department Head**

Michael Lawson

#### **Professors**

Joy Burnham

Joni Lakin

Randall Schumacker

#### **Associate Professors**

Kelly Guyotte

Hyemin Han

Michael Lawson

Junfei Lu

George Mugoya

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Firat Soylu

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Ryan Cook

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Joon-Ho Lee

Emily Lund

Wenchao Ma

Kaiwen Man

Laura M. Morett

Macarena Suarez Pellicioni

June Preast

Shena Sanchez

#### **Clinical Professor**

Karl Hamner

#### **Clinical Associate Professor**

Stacy Hughey-Surman

#### **Clinical Assistant Professors**

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Millie Dawson-Hardy

Anthony Derriso

Wenjing Guo

Yurou Wang

## Educational Neuroscience, BS

The purpose of the Educational Neuroscience B.S. Program is to train future educational practitioners, administrators, and researchers in the interdisciplinary field of educational neuroscience. The rapidly expanding areas of cognitive and behavioral neuroscience have led to new ways of understanding the learning process and the conditions under which learning occurs. Tomorrow's educators will need to be well-versed in these new research traditions in order to be better able to design and deliver instruction.

Curriculum Plan		Hours
<b>Year One: Semester 1</b>		
BSC 108	Intro Biology Non Maj I (or BSC 114/115; BSC 114/115 for pre-med)	4
EN 101	English Composition	3
MATH 125	Calculus I (MATH 112, MATH 113, or MATH 115 should be taken, IF NEEDED as prerequisite, before taking MATH 125.)	4
PY 101	Intro To Psychology	3
UA Core - Fine Art		3
		Credit Hours Subtotal: 17
<b>Year One: Semester 2</b>		
ANT 100	Anthropology and Humanity	3
BSC 109	Intro Biology Non Maj II (or BSC 116/117; BSC 116/117 for pre-med)	4
EN 102	English Composition	3
PH 101	General Physics I	4
HD 101	Life Span Human Development	3
		Credit Hours Subtotal: 17
<b>Year Two: Semester 1</b>		
BSC 215	Human Anatomy & Physiology I	4
BSC 220	Biol Evol (Fall Only)	3
CH 101	General Chemistry	4
SPE 300	Survey Spe Accomd Stratg	3
UA Core - Literature		3
		Credit Hours Subtotal: 17
<b>Year Two: Semester 2</b>		
BEP 220	Brain, Learning, and Cognition	3
CH 102 or PH 102	General Chemistry General Physics II	4
HD 205	Early and Middle Child Dev	3
PHL 260	Mind and Nature	3
UA Core - History (HY 115 or HY 116 is recommended.)		3
		Credit Hours Subtotal: 16
<b>Year Three: Semester 1</b>		
BEP 310	Lab-based Research Practicum	1
BEP 330	Comput. Methods in Ed Neuro	3
BER 345	Educational Statistics	3
PY 352	Developmental Psych	3

UA Core - Computer	3
UA Core - Literature or History	3
Credit Hours Subtotal:	16

### Year Three: Semester 2

BEP 310	Lab-based Research Practicum	1
BEP 305	Educational Psychology	3
BER 346	Expt Methods Ed Neuro	3
PY 313	Sensation and Perception (Spring Only)	3
UA Core - Writing		3
UA Core - Computer		3
Credit Hours Subtotal:		16

### Year Four: Semester 1

BEP 310	Lab-based Research Practicum	2
BEP 400	Tpcs Ed Neuro: Numerical Cogn	3
BEP 460	Language, Reading, and Brain	3
BEP 490	Electrophysiology	4
PY 470	Intro Cognitive Psychlgy	3
Credit Hours Subtotal:		15

### Year Four: Semester 2

BEP 310	Lab-based Research Practicum	2
BEP 420	Tpcs in Ed Neuro: Sci Thinking	3
BEP 450	Tpcs Ed Neuro:Mor Psy & Et Dev	3
BEP 480	Neuroimaging	4
UA Core - Writing		3
Credit Hours Subtotal:		15

**Total Hours** **129**

In addition to opportunities for graduate training in educational neuroscience and related fields, this degree can lead to careers in the public sector, such as health systems administration, community development and resources, and non-governmental organizations, as well as in the private sector such as data analysis, cognitive diagnosis and assessments, and educational technology. This is also an excellent undergraduate degree if a student is planning to pursue medical school, law school, or business school.

Learn more about opportunities in this field at the Career Center

## Department of Kinesiology

Associate Professor Jonathan Wingo, Department Head  
Office: 1002 Wade Hall

- Majors
  - Kinesiology, BS (p. 637)

### Department Head

- Jonathan E. Wingo

### Professors

- Matthew D. Curtner-Smith
- Michael Esco
- Mark T. Richardson
- Oleg Sinelnikov
- John Vincent
- Jonathan Wingo

**Associate Professors**

- Michael Fedewa
- L. Brent Hardin
- Dylan Williams

**Assistant Professors**

- Elroy Aguiar
- Hayley MacDonald
- Jacob Mota
- Lee Winchester

**Clinical Associate Professors**

- Colleen Geary
- Margaret Stran
- Elizabeth A. Woodruff

**Clinical Instructor**

- Neika Morgan

**KIN101 Physical Conditioning**

Hours 1

The purpose of this course is to introduce the student to the knowledge base underlying proper physical conditioning of the body and appropriate techniques for participation.

**KIN102 Horseback Riding**

Hours 1-3

The purpose of this course is to provide students with the knowledge and skills needed to participate in horseback riding.

View All Courses

**Faculty****Department Head**

Jonathan E. Wingo

**Professors**

Matthew D. Curtner-Smith

Michael Esco

Mark T. Richardson

Oleg Sinelnikov

John Vincent

Jonathan Wingo

**Associate Professors**

Michael Fedewa

L. Brent Hardin

Dylan Williams

**Assistant Professors**

Elroy Aguiar

Hayley MacDonald

Jacob Mota

Lee Winchester

**Clinical Associate Professors**

Colleen Geary

Margaret Stran

Elizabeth A. Woodruff

**Clinical Instructor**

Neika Morgan

**Kinesiology, BS**

The major in Kinesiology (BS) offers two concentrations of study: Exercise Science and Physical Education. An Accelerated Master's Program (AMP) is offered for highly motivated students concentrating in Exercise Science.

**Exercise Science**

Clinical Instructor Neika Morgan

Office: 1022 Wade Hall

Kinesiology majors with a concentration in Exercise Science take coursework designed to prepare them for employment in a number of professional settings and for continued graduate work in a variety of health-affiliated fields. These include options related to physical therapy, occupational therapy, physician's associate, medicine, biomechanics, prosthetics, kinesiotherapy, pharmacy, dentistry, clinical exercise physiology, cardiac rehabilitation, private and corporate wellness, fitness centers/university recreation settings, personal training, group fitness instruction, and strength and conditioning coaching.

**Physical Education**

Professor Oleg Sinelnikov

Office: 1009 Wade Hall

Clinical Associate Professor Elizabeth Woodruff

Office: 2006 Wade Hall

Kinesiology majors with a concentration in Physical Education study as a cohort. The core classes account for elementary, secondary, and advanced methods that teach students how to use various teaching styles and curriculum models as they relate to different grade and age levels. Early field experiences are embedded within these methods and content courses and serve as preparation for the culminating student-teaching internship. Students also take courses in the exercise sciences, which are foundational to teaching physical education, as well as general education classes.

Students pursuing the Kinesiology, BS must complete the program core as listed below along with the requirements in their selected concentration.

<b>Kinesiology Program Core</b>		<b>Hours</b>
ATR 272	First Aid, Safety & CPR	1
BSC 215	Human Anatomy & Physiology I	4
KIN 303	Physiology of Exercise	3
KIN 365	Applied Biomechanics	3
KIN 366	Evaluation and Measurement	3
KIN 468	Adapted Physical Education	3
<b>Total Hours</b>		<b>17</b>

**Exercise Science**

The concentration in Exercise Science includes general studies requirements, the 17-hour Kinesiology Major Core Courses, required Exercise Science Concentration Courses, and 33 hours of Approved Exercise Science Electives. Students must complete 120 semester hours as specified below. This program does not lead to professional certification as a teacher.

## General Studies: 47 hours

See general studies requirements listed earlier in this section. The following exceptions apply:

- Area II: Student may substitute a different Area II course for the public-speaking requirement.
- Area III: BSC 114 Principles Of Biology I/BSC 115 Laboratory Biology I (Majors) and CH 101 General Chemistry must be taken to meet prerequisite requirements.

## Professional Studies:

Exercise Science Concentration Courses		Hours
Students select ONE of the following: BSC 108, BSC 109, or BSC 114 (with BSC 115)		4
BSC 108	Intro Biology Non Maj I	
BSC 109	Intro Biology Non Maj II	
BSC 114 & BSC 115	Principles Of Biology I and Laboratory Biology I	
BSC 216	Human Anatomy & Physiology II	4
CH 100, CH 101, or CH 104		4-5
KIN 367	Exercise is Medicine	3
KIN 392	Clinical Exercise Physiology	3
KIN 492	Advanced Ex Phys	4
KIN 493	Fit Apprsl Exer Prescrip	3
KIN 494	Strength and Conditioning	3
KIN 488	Internships-Fitness	3

## Approved Exercise Science Electives: 33 hours

Students completing the concentration in Exercise Science must complete a minimum of 33 hours of electives from the following list. Selections should be discussed with an advisor in the Department of Kinesiology before registering each term.

Code and Title	Hours	
ATR 257	Intro to Athletic Training	3
BSC 116 & BSC 117	Principles Biology II and Laboratory Biology II	4
BSC 242	Microbiology And Man	4
BSC 300	Cell Biology	3
BSC 315	Genetics	3
BSC 450	Fundamentals of Biochemistry	3
CH 102	General Chemistry	4
CH 231	Elem Organic Chemistry I	3
CH 232 & CH 237	Elem Organic Chem II and Elem Organic Chem Lab	5
HD 203	Medical Terminology	2
HHE 273	Introduction to Public Health	3
HHE 370	Prin/Foundatn Health Promotion	3
HHE 378	Drugs, Society, & Human Behav	3
HHE 440	Understanding Stress Mgt	3
HHE 467	Design Eval Health Promo	3
KIN 199	Ecol Appr Hlth & Fitness	3
KIN 200	Weight Mgt Principles	3
KIN 300	Intro to Kinesiology	3
KIN 306	Tchg Inv, Strike/Field, Target	3
KIN 352	Psychology of Coaching	3

KIN 362	Motor Development	3
KIN 370	Coaching Soccer	3
KIN 380	Coaching Officials	3
KIN 381	Coaching Football	3
KIN 382	Coaching Basketball	3
KIN 383	Coaching Baseball	3
KIN 386	Coaching Volleyball	3
KIN 387	Adapted Sports Prof. Dev.	1 to 3
KIN 388	Professional Dev. in Fitness	3
KIN 420	Issues in Athletics Coaching	3
KIN 486	Internships-Disability Sport	3 to 6
KIN 488	Internships-Fitness (additional hours)	1 to 9
KIN 491	Sport Exercise & Social Scienc	3
KIN 496	Independent Study (Instructor permission is required.)	3
NHM 101	Intro Human Nutrition	3
NHM 201	Nutrition In Life Cycle	3
NHM 210	Dynamics Weight Control	3
NHM 305	Vegetarian Nutrition	3
NHM 315	Nutrition For Performance	3
NHM 401	Nutrition Health Profesn	3
PH 101	General Physics I	4
PH 102	General Physics II	4
PY 211	Elem Statistical Methods	3
PY 352	Developmental Psych	3
PY 358	Psychopathology	3
SPE 300	Survey Spe Accomd Stratg	3

advisor approved math electives: MATH 113, MATH 125 (Credit will only be granted for one math course.)

## Accelerated Master's Program (AMP) for students concentrating in Exercise Science

The Accelerated Master's Program (AMP) allows highly motivated students concentrating in Exercise Science to take courses that dual count toward the BS in Kinesiology degree as well as toward an MA in Kinesiology degree (with coursework focusing on Exercise Science). Students admitted to the program take 12 hours of 500-level coursework during the senior year. Upon completion of the undergraduate degree, students can take an additional 18 hours of coursework during year 5 in order to complete the 30-hour MA degree. Students are not obligated to complete the master's degree and choosing not to complete it will not adversely affect the ability to earn the BS degree.

### Eligibility

Students may begin the AMP after 90 or more hours have been earned, so this means they would normally apply to the Graduate School during the final semester of the junior year.

To be considered for admission, students must:

- have completed 90 hours toward their BSE in Kinesiology degree (Exercise Science Concentration)
- have an overall GPA of at least 3.3
- achieve a composite score of 300 or higher on the GRE
- have taken (or be enrolled in) KIN 303 before applying

For more information, contact Dr. Colleen Geary, AMP coordinator for Exercise Science, at 205-348-7172 or [cgeary@ua.edu](mailto:cgeary@ua.edu), or navigate to <https://graduate.ua.edu/amp/>.

## Physical Education

**[NOTE: Students should consult with their advisor before registering each term for current requirements.]**

Kinesiology majors pursuing certification in physical education are typically interested in teaching as their main focus. Many of our students are also interested in coaching as well as strength and conditioning and often have volunteer opportunities to gain experience while undergraduates.

This concentration requires the completion of hours as specified and leads to the Bachelor of Science degree and Alabama Class B Physical Education (P-12) professional educator certification. Students who have completed all 100- and 200-level requirements and have a UA GPA—and, if transfer work, a cumulative GPA—of at least 2.75 may apply to the physical education teacher education (PETE) cohort in the fall semester of the junior year.

The Class B Physical Education program is a State-approved program and is subject to change. The undergraduate catalog is published annually. DegreeWorks is updated more frequently and is likely to provide the most up-to-date information on degree and other requirements. In addition, students should obtain the most recent advising sheets available from the faculty advisor, Dr. Elizabeth Woodruff, or from academic advisors in 104 Carmichael Hall. Students are expected to consult with advisors each term prior to registering for coursework.

### General Studies: 54 hours

Courses that are common to the teaching field and the general studies component may be applied to both. See general studies requirements, listed earlier. The following exceptions apply:

- Area II: Courses should be selected to meet teaching field or prerequisite requirements.
- Area III: BSC 109 Intro Biology Non Maj II or BSC 114 Principles Of Biology I/BSC 115 Laboratory Biology I should be selected to meet prerequisite requirements.
- Area IV: Courses should be selected to meet teaching field or prerequisite requirements.
- Area V: In addition to those courses listed in General Requirements, BSC 215 Human Anatomy & Physiology I or BSC 216 Human Anatomy & Physiology II and ATR 272 First Aid, Safety & CPR should be selected from remaining hours. CAT 200 Comp Ed App and CAT 250 Comp Ed Curr Dev are required. EDU 200 Orient to Teacher Education is also required.

### Teaching Field:

Physical Education Teaching Field	Hours
KIN 303 Physiology of Exercise	3
KIN 305 Dance & Gymnastics	3
KIN 306 Tchg Inv, Strike/Field, Target	3
KIN 307 Teach Trk & Fld/Net Game	3
KIN 310 Teaching Swimming	3
KIN 311 Tch Hlth Related Fitness	3
KIN 351 Secondary Clinical Experience	3
KIN 360 Subj Matter Elem Physical Educ	3
KIN 361 Elem Phys Ed Curr Phil Theory	3

KIN 362	Motor Development	3
KIN 365	Applied Biomechanics	3
KIN 468	Adapted Physical Education	3
<b>Total Hours</b>		<b>36</b>

### Professional Studies:

Students must earn grades of C- or higher in each of the following professional studies courses. No more than five professional studies courses may be taken prior to admission to TEP (see adviser for appropriate course sequence). The University of Alabama GPA—and, if transfer work, the cumulative GPA—must be at least 2.75 in these courses. KIN 350 Secondary Curriculum must be taken concurrently with KIN 351 Secondary Clinical Experience.

Physical Education Professional Studies	Hours
BEF 362 School, Culture, and Society	3
BEP 305 Educational Psychology	3
KIN 350 Secondary Curriculum	3
KIN 366 Evaluation and Measurement	3
KIN 487 Physical Educ Teach Pract *	3
KIN 497 Internship Phys Education *	12
SPE 300 Survey Spe Accomd Stratg	3
EDU 400 Internship Seminar *	1
<b>Total Hours</b>	<b>31</b>

*NOTE: BEF 362, KIN 366, and SPE 300 may be taken prior to TEP admission. BEP 305 and KIN 350 must be taken prior to TEP admission.*

#### Footnotes

\* TEP admission is required.

Admission to the PETE methods cohort is competitive. Meeting minimum requirements does not guarantee admission. Rather, students who meet stated criteria are guaranteed consideration for admission to the teacher education program (TEP). All students must begin the PETE methods cohort in the fall semester.

An individual may request from his or her adviser information concerning summative data on the most recent previous admission.

*NOTE: Students will apply to TEP while they are enrolled in KIN 350 Secondary Curriculum. They must meet TEP admission requirements, have a 2.75 GPA (UA and cumulative) in areas I-V and all coursework, and have completed an application. Applications for TEP are available in 104 Carmichael Hall.*

Career opportunities for Kinesiology majors with a concentration in Exercise Science include personal training, strength and conditioning coaching, corporate wellness, and research technician positions. The degree also prepares students for graduate study in a number of areas, including: sport science, public health, epidemiology, physical therapy, occupational therapy, physician's associate, medicine, biomechanics, prosthetics, kinesiotherapy, pharmacy, dentistry, clinical exercise physiology, cardiac rehabilitation, wellness, recreation, and strength and conditioning.

Career opportunities for Kinesiology majors with a concentration in Physical Education include physical education teacher (P-12), athletic coach, athletic director, strength and conditioning coach, camp leadership, community recreation, adaptive physical education specialist, health and wellness instructor, fitness instructor, adventure/outdoor educator, and more. Students who go on to graduate school study for advanced practitioner degrees or degrees which enable them to study and teach sport instruction in university settings.

Learn more about opportunities in this field at the Career Center

## Department of Music Education

Professor Carl B. Hancock, Department Head

Office: 262 Moody Music Building

The programs in music education require the completion of at least 146 semester hours as specified in this section and lead to the bachelor of science in education degree and the Alabama Class B (P-12) professional certificate.

With permission from the music education department head, BS students in music education may also pursue a second bachelor's degree in music (BM). This option requires 34–54 additional credit hours to earn a BM degree, depending on the area of focus (e.g., performance, jazz studies, composition or theory).

The undergraduate catalog is published annually. Program advising sheets are updated more frequently and are thus likely to provide the most up-to-date information on degree and other requirements. Students should obtain the most recent advising sheets, available from 261 Moody Music Building.

- Majors
  - Music Education, BSE with Certification in Instrumental Music (p. 640)
  - Music Education, BSE with Certification in Vocal/Choral Music (p. 642)

### Department Head and Professor

- Carl B. Hancock

### Professor

- Kenneth Ozzello

### Assistant Professor

- Julie K. Bannerman

### Instructors

- Melissa Life
- Anne C. Witt

### Music Education Affiliated Faculty

- Mary Lindsey Bailey
- Andrea Cevasco-Trotter
- Andrew Lynge
- Osiris Molina
- Khristi Motley
- Jonathan Noffsinger
- Judy Ransom
- Diane Schultz
- Kevin Welborn
- Justin White

### MUE107 Basic Skills In Music

Hours 2

Basic music-reading skills developed through singing and playing of instruments. The course is designed for the prospective elementary school teacher and is a prerequisite for MUE 385.

### MUE200 Intro to Music Education

Hours 2

Techniques associated with teaching music in the public schools. Development of classroom management skills and reflection on the role of the music educator in contemporary classrooms.

View All Courses

## Faculty

### Department Head and Professor

Carl B. Hancock

### Professor

Kenneth Ozzello

### Assistant Professor

Julie K. Bannerman

### Instructors

Melissa Life

Anne C. Witt

### Music Education Affiliated Faculty

Mary Lindsey Bailey

Andrea Cevasco-Trotter

Andrew Lynge

Osiris Molina

Khristi Motley

Jonathan Noffsinger

Judy Ransom

Diane Schultz

Kevin Welborn

Justin White

## Music Education, BSE (Certification in Instrumental Music)

Students should have a strong background in music, with performance experience on a particular instrument or designated voice type.

### Auditions

All students must pass an audition and a music fundamentals exam in order to declare a music education major. To schedule an audition, students must contact the School of Music for a separate application. Visit [music.ua.edu/apply-audition](http://music.ua.edu/apply-audition) for an application or more information. Auditions typically take place between January and the first week of March prior to fall enrollment. With the assistance of a Music Education advisor, students, including transfer students, will formally declare the major the first semester of enrollment after formal acceptance into the School of Music.

## General Studies: 47–49 hours

Courses that are common to the teaching field and the general studies component may be applied to both. Music education majors should select PY 101 Intro To Psychology or HD 101 Life Span Human Development and MUS 250 Music In World Cultures to satisfy UA Core Curriculum behavioral science and fine arts requirements.

Area V: EDU 200 Orient to Teacher Education is required.



## Instrumental Music Teaching Field: 66–69 hours

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses.

### Music Academics

Code and Title	Hours
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 215 Theory III: Chromatic Harmony	4
MUS 217 Theory IV: Advanced Harmony	4
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3
MUS 252 Music History II	3
MUS 323 Music History III	3
MUS 351 Fund Of Conducting	2
MUS 494 Band Conducting	2
MUE 200 Intro to Music Education	2
<b>Total Hours</b>	<b>34</b>

### Applied and Ensemble

Code and Title	Hours
MUA 010 Music Convocation (x 5)	0
Principal Applied:	
MUA 170-MUA 190 <sup>1</sup>	4
MUA 270-MUA 290 <sup>1</sup>	4
MUA 199 Sophomore Qualifying	0
MUA 370-MUA 390 <sup>1</sup>	4
MUA 470-MUA 490 <sup>1</sup>	1
MUA 499 Senior Recital	1
Instrumental Ensemble courses (minimum one per term):	7
100-level large ensemble (2 hrs, one per semester)	
200-level large ensemble (2 hrs, one per semester)	
300-level large ensemble (2 hrs, one per semester)	
400-level large ensemble (1 hr, one semester)	
<b>Total Hours</b>	<b>21</b>

#### Footnotes

<sup>1</sup> Course numbers MUA 170–MUA 190, MUA 270–MUA 290, MUA 370–MUA 390, and MUA 490 denote private study of the principal instrument or voice for music majors; each course carries one to four hours of credit and may be repeated for credit. Music majors should register for the principal applied instrument at the 100-level during the first two semesters and at the 200-level during the second two semesters at the University. Following successful completion of the sophomore qualifying examination (MUA 199 Sophomore Qualifying), students should register for the principal applied instrument at the 300-level for two semesters and one semester at the 400-level. Weekly meeting times for studio instruction must be arranged with the instructor at 3 p.m. on the first day of classes of a semester.

### Class Instruments

Code and Title	Hours
Class Piano (0-4 hours)—Pass the following piano classes with no grade less than B:	0-4

MUA 121	Class Piano I	
MUA 122	Class Piano II	
MUA 123	Class Piano III	
MUA 124	Class Piano IV	
or MUA 231/MUA 331/MUA 121-124, or combination		
MUA 299	Piano Proficiency (Exam) <sup>*</sup>	0
MUE 252	Teach String/Percu Instr	2
MUE 351	Tchg Flute Single Reeds	3
MUE 352	Teaching Double Reeds	1
MUE 353	Teach Brass Instruments	2
MUE 354	Teaching Percussion II	1
MUE 381	Vocal Methods Lab	1
<b>Total Hours</b>		<b>10-14</b>

#### Footnotes

<sup>\*</sup> Students must register for MUA 299 Piano Proficiency to show evidence of passing piano proficiency examination. Students completing the Class Piano series should register for MUA 299 Piano Proficiency concurrently with MUA 124 Class Piano IV. Students are required to take piano until evidence of passing the piano proficiency is provided.

See general studies requirements (p. 613) listed earlier in this section.

## Professional Studies: 37 hours

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses:

Code and Title	Hours
BEF 362 School, Culture, and Society <sup>1</sup>	3
BEP 305 Educational Psychology <sup>1,2</sup>	3
CRD 412 Impr Read Second Schools <sup>1</sup>	3
MUS 448 Tchg Instrumental Music Pub S	3
MUE 350 Evaluatn Teaching Learning Mus	3
MUE 387 Elem School Music Program	3
MUE 389 Clinical Experience In Mue <sup>1,2</sup>	3
SPE 300 Survey Spe Accomd Stratg <sup>1</sup>	3
<b>Internship</b>	
MUE 497 Internship Music Educ	12
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>37</b>

#### Footnotes

<sup>1</sup> A student may not enroll in more than five identified professional studies courses prior to unconditional admission to TEP.  
<sup>2</sup> This is a prerequisite for admission to the teacher education program.

Students completing this degree program are fully prepared to teach in a K-12 setting in a public school environment.

## Types of Jobs Accepted

Students completing this program are routinely employed at the high school, middle school and elementary levels.

Learn more about opportunities in this field at the Career Center

## Music Education, BSE (Certification in Vocal/Choral Music)

Students should have a strong background in music, with performance experience on a particular instrument or designated voice type.

### Auditions

All students must pass an audition and a music fundamentals exam in order to declare a music education major. To schedule an audition, students must contact the School of Music for a separate application. Visit [music.ua.edu/apply-audition](http://music.ua.edu/apply-audition) for an application or more information. Auditions typically take place between January and the first week of March prior to fall enrollment. With the assistance of a Music Education advisor, students, including transfer students, will formally declare their major the first semester of enrollment after formal acceptance to the School of Music.

### General Studies: 47–49 hours

Courses that are common to the teaching field and the general studies component may be applied to both. Music education majors should select PY 101 Intro To Psychology or HD 101 Life Span Human Development and MUS 250 Music In World Cultures to satisfy UA Core Curriculum behavioral science and fine arts requirements.

Area V: EDU 200 Orient to Teacher Education is required.

### Vocal/Choral Music Teaching Field: 65 hours

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75.

Code and Title	Hours
<b>Music Academics</b>	
MUS 115 Theory I: Voice Leading	4
MUS 117 Theory II: Diatonic Harmony	4
MUS 215 Theory III: Chromatic Harmony	4
MUS 217 Theory IV: Advanced Harmony	4
MUS 250 Music In World Cultures	3
MUS 251 Music History I	3
MUS 252 Music History II	3
MUS 323 Music History III	3
MUS 351 Fund Of Conducting	2
MUS 492 Choral Conducting	2
MUE 200 Intro to Music Education	2
Credit Hours Subtotal:	34
<b>Applied and Ensemble</b>	
MUA 010 Music Convocation (x 5)	0
Principal Applied:	
MUA 171 or Piano (Majors)	4
MUA 174 Voice (Majors)	
MUA 271 or Piano (Majors)	4
MUA 274 Voice (Majors)	
MUA 199 Sophomore Qualifying	0
MUA 371 or Piano (Majors)	4
MUA 374 Voice (Majors)	
MUA 471 or Piano (Majors)	1
MUA 474 Voice (Majors)	

MUA 499 Senior Recital	1
Secondary Applied (4 hours) OR Class Piano (MUA 121, MUA 122, MUA 123, and MUA 124 for 4 hours) (See NOTE below.):	
MUA 231 or MUA 234	1
MUA 231 or MUA 234	1
MUA 331 or MUA 334	1
MUA 331 or MUA 334	1
Choral Ensemble Courses (one per term):	
100-level large ensemble (2 hrs)	
200-level large ensemble (2 hrs)	
300-level large ensemble (2 hrs)	
400-level large ensemble (1 hr)	
Credit Hours Subtotal:	25
<b>Class Instruments</b>	
MUE 251 Intro To Winds, Str, Per	3
MUE 380 Vocal Methods	2
MUE 381 Vocal Methods Lab	1
Credit Hours Subtotal:	6
<b>Total Hours</b>	<b>65</b>

**NOTE:** If principal applied is voice, then secondary applied must be piano, and vice versa. Acceptable piano study includes: Class Piano (MUA 121 Class Piano I–MUA 124 Class Piano IV); Secondary Piano (MUA 231 Piano (Secondary)); or a combination of these piano courses. The Class Piano series courses (MUA 121 Class Piano I–MUA 124 Class Piano IV) can be taken one time each; secondary piano (MUA 231 Piano (Secondary)) can be taken two times for one credit hour per semester. A minimum of four semester hours of piano study is required in the choral music education program. In addition, MUA 299 Piano Proficiency must be passed. Piano study should begin the first semester of enrollment and continue until the requirement has been met.

See general studies requirements listed earlier in this section.

### Professional Studies: 37 hours

Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses.

Code and Title	Hours
BEF 362 School, Culture, and Society <sup>1</sup>	3
BEP 305 Educational Psychology <sup>1,2</sup>	3
CRD 412 Impr Read Second Schools <sup>1</sup>	3
MUS 447 Teaching Choral Music Publ Sch	3
MUE 350 Evaluatn Teaching Learning Mus	3
MUE 387 Elem School Music Program	3
MUE 389 Clinical Experience In Mue <sup>1,2</sup>	3
SPE 300 Survey Spe Accomd Stratg <sup>1</sup>	3
<b>Internship</b>	
MUE 497 Internship Music Educ	12
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>37</b>

### Footnotes

<sup>1</sup> A student may not enroll in more than five identified professional studies courses prior to unconditional admission to TEP.

<sup>2</sup> This is a prerequisite for admission to the teacher education program.

Students completing this degree program are fully prepared to teach in a K-12 setting in a public school environment.

## Types of Jobs Accepted

Students completing this program are routinely employed at the high school, middle school and elementary levels.

Learn more about opportunities in this field at the Career Center

## Department of Special Education and Multiple Abilities

Associate Professor Nicole Cain Swoszowski, Department Head  
Office: 201-B Autherine Lucy Hall

The department offers undergraduate programs requiring the completion of a minimum of 120 semester hours as specified. These programs lead to the bachelor of science in education degree and the Alabama Class B Professional Educator Certificate. Admission is competitive, and meeting stated criteria does not guarantee admission. Rather, applicants who meet stated criteria are guaranteed consideration for admission to the Teacher Education Program (TEP). An individual may request from the program chairperson or his or her adviser information concerning summative data on the most recent previous admissions.

- Majors
  - Collaborative Education Program (p. 644)
  - Early Childhood Special Education
  - Multiple Abilities Program (p. 646)
- Certificate
  - CrossingPoints Certificate in Occupational Studies (p. 645)

### Department Head

- Nicole Cain Swoszowski

### Professors

- Lucy Barnard-Brak
- Gregory J. Benner
- Carol A. Donovan
- Kristine Jolivet
- Jennifer L. Jolly
- Sara McDaniel
- Robert A. McWilliam
- N. Kagendo Mutua
- Nicole Cain Swoszowski

### Associate Professor

- Ragan McLeod

### Assistant Professor

- Marissa Filderman
- Kristen Lamb
- Laci Watkins

### Clinical Assistant Professors

- John Myrick
- Catherine Price

- Kimberly Tomeny
- Amy Williamson

### Clinical Research Assistant Professors

- Olivia Robinson Hester
- Erica Ogle Lee
- Sara Sanders

### Clinical instructors

- Lisa Burgess
- Sharron Maughn

### MAP301 Professionalism

Hours 3

This course is designed as a developmental sequence of integrated themes covering historical foundations of education, educational finance, legal and ethical issues, contemporary issues, and fundamental technology concepts and integrated with MAP 302, MAP 403, MAP 404 and MAP 405.

Prerequisite(s): Admission to the Multiple Abilities Program

### SPE100 Except Lives in Society

SB

Hours 3

Introduction and overview for non-education majors regarding characteristics of diversity, exceptionalities, and social/behavioral issues in the 21st century. A service learning project experience, to be arranged outside the Tuscaloosa educational community, that exposes students to diverse populations is included. Through web-based readings/critiques, class lecture, and service learning opportunities, participants in this course will explore diverse populations from within the context of characteristics, issues and trends, cultural differences, and research. Offered fall and spring semesters.

Social and Behavioral Sciences

[View All Courses](#)

## Faculty

### Department Head

Nicole Cain Swoszowski

### Professors

Lucy Barnard-Brak

Gregory J. Benner

Carol A. Donovan

Kristine Jolivet

Jennifer L. Jolly

Sara McDaniel

Robert A. McWilliam

N. Kagendo Mutua

Nicole Cain Swoszowski

### Associate Professor

Ragan McLeod

### Assistant Professor

Marissa Filderman

Kristen Lamb

Laci Watkins

### Clinical Assistant Professors

John Myrick

Catherine Price

Kimberly Tomeny

Amy Williamson

### Clinical Research Assistant Professors

Olivia Robinson Hester

Erica Ogle Lee

Sara Sanders

### Clinical instructors

Lisa Burgess

Sharron Maughn

## Collaborative Education Program, BSE

The faculty in the Department of Special Education and Multiple Abilities recognizes special education as a dynamic field dedicated to the realization of human potential. The mission of the Collaborative Education Program aims to develop school practitioners who will be empowered with the professional skills needed to comprehensively educate children with cognitive, social, behavioral, physical, or multiple disabilities.

The Collaborative Education Program is an innovative teacher preparation program that leads to a bachelor of science in education degree with two teacher certification options at the Alabama Class B level: Collaborative (K-6) or Collaborative (K-6 and 6-12).

The undergraduate program is a two-year, upper-division program that prepares students to work in special education settings with youth who have a wide range of disabilities. A cohort of students is accepted each fall. Students take the majority of their courses together, work on numerous collaborative assignments and projects with their peers and their instructors and participate in a number of practicums in a variety of educational settings. In addition to practicums and internships in local agencies, students have opportunities to gain practical experience working with individuals with disabilities. The final semester of the program is devoted to a full-time teaching internship in a local education agency appropriate to the teaching certificate option selected.

A student must have a cumulative and University of Alabama GPA of no less than 2.75 for admission to this TEP. After admission, the student must maintain at least a 2.75 UA and overall GPA in coursework in professional studies and teaching field courses, with no grade less than a C-. At least a 2.75 GPA is required for internship.

The undergraduate catalog is published annually. DegreeWorks program guides within myBama are updated as policy changes are made and are thus likely to provide the most up-to-date information on degree and other requirements. In addition, a program handbook with which students are expected to be familiar is available in 201 Autherine Lucy Hall.

## Requirements

### General Studies: 60 hours

General studies courses must be completed prior to being admitted to the teacher education program. Courses that are common to the teaching

field and the general studies component may be applied to both. At least 120 hours are required for the degree.

In addition to the required general studies, students in this program must complete nine additional hours of mathematics and four additional hours of science for a total of 12 hours in each area. Additionally, students must complete 12 hours in English language arts and social science.

Courses from areas II, III and IV, plus any hours remaining in area V, should be used to meet teaching field or prerequisite requirements.

Area V: CAT 200 Computer Education Application and EDU 200 Orient to Teacher Education are required.

### Professional Studies

Students must earn grades of C- or better in each of the following professional studies courses. The UA GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses:

Code and Title	Hours
BEF 362 School, Culture, and Society *	3
BEP 305 Educational Psychology *	3
SPE 300 Survey Spe Accomd Stratg *	3
SPE 304 Instructional Strategies In Sp *	3
Internship:	12
SPE 499 Internship In Spe (Spco) (Elementary or Secondary)	
EDU 400 Internship Seminar	1
<b>Total Hours</b>	<b>25</b>

### Footnotes

\* TEP admission is required upon completion of these Professional Studies courses.

### Teaching Field(s): 39-42 hours

Students must earn grades of C or better in each of the following teaching field courses. The UA GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses:

Code and Title	Hours
CRD 369 Fnd of Read Inst for EC/ELE	3
CRD 400 Teach Readg Diverse Learn K-12	3
HD 101 Life Span Human Development	3
SPE 301 SPED Practicum (Block 1)	1
SPE 301 SPED Practicum (Block 2)	1
SPE 301 SPED Practicum (Block 3)	1
SPE 302 Educatl Diagn Measurmt	3
SPE 374 Working with Families	3
SPE 375 Sup School/Clsroom Climates	3
SPE 416 Instruct Strategy Severe Popul	3
SPE 420 Early Language and Literacy	3
SPE 435 Behavior Management	3
SPE 493 Intro Severe/Profound Disabili	3
<b>Semester I Senior Year</b>	
CEE 380 Tch Early/Elem Mathematics	3
SPE 491 Educ Method Elem MIbd	3
SPE 492 should also be completed if earning 6-12 certification in addition to K-6 certification.	0-3
<b>Total Hours</b>	<b>39-42</b>

## Types of Jobs Accepted

Our graduates accept positions such as inclusion teachers or traditional special education teachers (self-contained and resource).

## Jobs of Experienced Alumni

Our alumni hold positions such as lead special education teacher, administrator, principal, special education supervisor, director of special education, director of a special school.

Learn more about opportunities in this field at the Career Center

## CrossingPoints Certificate in Occupational Studies

The CrossingPoints Certificate in Occupational Studies is a non-degree certificate program that serves young adults with intellectual disabilities who are interested in pursuing a postsecondary education at The University of Alabama.

## Admission Criteria

The admission process for the CrossingPoints Certificate in Occupational Studies is different from typical University of Alabama admissions. Please visit [<https://education.ua.edu/departments/spema/ccos/>] for information and instructions on how to apply to the program.

## Program Requirements

Required Core Courses	Hours
COM 123 Public Speaking	3
CAT 100 Computer Concepts & Applicatn	3
SPE 300 or Survey Spe Accomd Stratg	3
SW 351 Oppression & Social Injustice	3
EN 101 English Composition	3
Additional Required Courses <sup>1</sup>	12
<b>Total Hours</b>	<b>24</b>

### Footnotes

<sup>1</sup> These hours should be individually determined to fit student career or personal goals for self-development as agreed upon by the student and their advisor.

## Additional Requirements for Program Completion

Students will also participate in specialized courses and inclusive practical experiences in employment, independent living, wellness, and socialization.

## Transfer Credit

Transfer credits will be determined on a case by case basis. The Core Management Team will review course description and requirements from another CTP program that is being considered for transfer to determine if the course can be awarded CCOS transfer credit.

## Time Limit

The Plan of Study outlines a program that can be completed in 3 years. However, if there are proven extenuating circumstances that inhibit a student's ability to complete the program within the 3-year timeline, a student will be allowed up to 5 years to complete the certificate program.

## Early Childhood Special Education

Students in the early childhood special education major are expected to learn about the intellectual, physical, social, and emotional development of young children, with and without special needs, and about the role that families play in their development. Students graduating with this major are eligible to be recommended for Alabama Class B certification to teach children with diverse needs (P-3) as well as Alabama Class B certification in early childhood education (P-3).

Experimental learning activities, assessment, and practicums are provided for students on and off campus through the Office of Clinical Experiences. On-campus facilities that provide structured practicums may include the Children's Program, the Rural Infant Stimulation Environment (RISE) Program, and Early Intervention at The University of Alabama (EI@UA). These programs provide opportunities for students to work with infants, toddlers, pre-K children, and their families. Additionally, all students who major in early childhood special education will complete supervised practicum and internship experiences in diverse settings.

The undergraduate catalog is published annually. Program advising sheets are updated as policy changes are made and are thus likely to provide the most up-to-date information on degree and other requirements through DegreeWorks in myBama.

## General Studies: 60 hours

Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree.

In addition to the required general studies, students in this program must complete 9 additional hours of mathematics and 4 additional hours of science for a total of 12 hours in each area. Twelve hours in both English language arts and social science are required.

See general studies requirements (p. 613) listed earlier in this section. The following exceptions apply:

- **Area II:** Courses should be selected to meet teaching field or prerequisite requirements.
- **Area IV:** Courses should be selected to meet teaching field or prerequisite requirements.
- **Area V:** From those courses listed in option 2, CAT 200 Computer Education Application and CAT 250 Computer Educ Curric Devel should be selected. EDU 200 Orient to Teacher Education is also required.

## Requirements

Code and Title	Hours
<b>General Studies</b>	
Complete 60 hours	60
Credit Hours Subtotal:	
60	
<b>Professional Studies</b>	
Students must earn grades of C- or higher in each of the following professional studies courses. The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses:	
BEF 362 School, Culture, and Society <sup>1</sup>	3
BEP 305 Educational Psychology <sup>1</sup>	3
SPE 300 Survey Spe Accomd Stratg <sup>1</sup>	3
SPE 304 Instructional Strategies In Sp <sup>1</sup>	3

SPE 479	Intern In Early Childhood Spe <sup>2</sup>	6
SPE 479	Intern In Early Childhood Spe <sup>2</sup>	6
EDU 400	Internship Seminar	1
Credit Hours Subtotal:		25

### Teaching Field

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses:

CEE 380	Tch Early/Elem Mathematics	3
CRD 369	Fnd of Read Inst for EC/ELE	3
CRD 400	Teach Readg Diverse Learn K-12	3
HD 202	Child Dev-Infancy/Todlr	3
HD 205	Early and Middle Child Dev	3
SPE 301	SPED Practicum (Block 1)	1
SPE 301	SPED Practicum (Block 2)	1
SPE 301	SPED Practicum (Block 3)	1
SPE 374	Working with Families	3
SPE 414	Collaborative Consultatn	3
SPE 420	Early Language and Literacy	3
SPE 435	Behavior Management	3
SPE 471	Dev Persp Young Child W/ Disab	3
SPE 476	Assessment Of Young Children	3
SPE 477	Differentiated Acad. Instruct	3
SPE 478	Meth Teach Yng Child W/ Disb	3
Credit Hours Subtotal:		42

**Total Hours** 127

### Footnotes

- <sup>1</sup> TEP admission is required upon completion of these Professional Studies courses.
- <sup>2</sup> Internship will include a placement with at least two of the following age groups: birth-age 3, age 3-5, and age 5-8. Placements will be in appropriate settings that include children with and without identified disabilities.

## Types of Jobs Accepted

Birth–3rd grade special education teacher, prekindergarten–3rd grade elementary education teacher, early interventionist, case manager

## Jobs of Experienced Alumni

Lead teachers, instructional facilitators, cooperating master teachers, administrators (principals, special education supervisors, directors of non-profit organizations)

Learn more about opportunities in this field at the Career Center

## Multiple Abilities Program, BSE

The program requires that students have a continuous involvement in schools. Reading, critical thinking, and problem solving are the major strands of the program. Emphasis is also placed on behavior management and special education instructional interventions.

## Multiple Abilities Program (MAP)

The Multiple Abilities Program (MAP) is an integrated program leading to certification in four areas: collaborative teacher (K-6), elementary education (K-6), early childhood (P-3), and early childhood special education (P-3). This program is open to a cohort of 25 full-time students who are selected to complete the 78-semester-hour course sequence

over four consecutive semesters and one summer term. Students may be considered for participation only if, by the end of the summer term prior to MAP coursework, they have completed the College of Education's general studies program, excluding CAT 200 Computer Education Application and CAT 250 Computer Educ Curric Devel, but including MUE 107 Basic Skills In Music.

The undergraduate catalog is published annually. Program advising sheets are updated as policy changes are made; they are thus likely to provide the most up-to-date information on degree and other requirements through DegreeWorks in myBama.

## General Studies: 60 hours

Students are responsible for monitoring core requirements with personnel in 104 Carmichael Hall. Courses that are common to the teaching field and the general studies component may be applied to both. At least 120 hours are required for the degree. See College of Education Requirements (Required General Studies) listed earlier in this catalog.

**NOTE:** Students in this program must complete 4 additional semester hours of natural science (for a total of 12 hours) and additional hours of mathematics (for a total of 12 hours). MATH 100 Intermediate Algebra and MATH 208 Number And Operations may be taken in addition to other MATH-designated mathematics courses. Twelve hours in both English language arts and social science are required. MUE 107 Basic Skills In Music is also required. Additional tuition costs are associated with enrollment greater than 16 credit hours and for summer terms.

Courses from areas II, III and IV, plus any hours remaining in area V, should be used to meet teaching field or prerequisite requirements. EDU 200 Orient to Teacher Education is required.

The student is responsible for maintaining a minimum 2.75 GPA for UA coursework, cumulative coursework including transfer work, and MAP coursework.

The following are required to be eligible to continue in the program after the first semester:

- A grade of at least a C- in all MAP coursework.
- Demonstrated proficiency in writing coherent, logical, and carefully edited prose.
- A score of 90 percent on the math competency test by the end of the semester.
- Two of the written assignments that have the W designation (see list below) will be assessed for writing competence and returned by midterm in order to give feedback about writing competence. One other written assignment, completed late in the first semester, will also have a W designation. Writing proficiency is required for a passing grade in MAP 301 Professionalism. All MAP written assignments will require coherent, logical, and carefully edited prose.

Fall I		Hours
MAP 301	Professionalism (W) *	3
MAP 311	The Learner	3
MAP 321	Communicatn/Collaboratn (W)	3
MAP 331	Facilitating Learning *	3
MAP 341	Field Exper/Practicum	3
<b>Total Hours</b>		<b>15</b>

Spring I		Hours
MAP 302	Professionalism *	3
MAP 312	The Learner	3

MAP 322	Communicatn/Collaboratn	3
MAP 332	Facilitating Learning	3
MAP 342	Field Exper/Practicum *	3
<b>Total Hours</b>		<b>15</b>
<b>Summer I</b>		<b>Hours</b>
MAP 403	Professionalism *	2
MAP 413	The Learner	2
MAP 423	Communication And Collaboratn	1
MAP 433	Facilitating Learning	1
MAP 443	Enrichment Workshop Practicum	6
<b>Total Hours</b>		<b>12</b>
<b>Fall II</b>		<b>Hours</b>
MAP 404	Professionalism	3
MAP 414	The Learner	3
MAP 424	Communicatn/Collaboratn	3
MAP 434	Facilitating Learning	2
MAP 444	Field Experience Spe Interns	6
<b>Total Hours</b>		<b>17</b>
<b>Spring II</b>		<b>Hours</b>
MAP 405	Professionalism	3
MAP 415	The Learner	3
MAP 425	Communication/Collaboration	3
MAP 435	Facilitating Learning	2
MAP 445	Field Experience Spe Internsh	6
EDU 400	Internship Seminar	1
<b>Total Hours</b>		<b>18</b>

**Footnotes**

\* A candidate may not enroll in more than five professional studies courses before he/she has unconditional admission to TEP. A student must be admitted to TEP prior to Block 4.

## Types of Jobs Accepted

Our graduates accept positions as elementary and early childhood teachers and elementary and early childhood special education teachers.

## Jobs of Experienced Alumni

Cooperating master teachers, curriculum specialists, instructional facilitators, administrators (principals, special education supervisors, directors of special schools).

Learn more about opportunities in this field at the Career Center

## College of Engineering

Department of Aerospace Engineering and Mechanics (p. 649)

Department of Chemical and Biological Engineering (p. 654)

Department of Civil, Construction and Environmental Engineering (p. 659)

Department of Computer Science (p. 667)

Department of Electrical and Computer Engineering (p. 673)

Department of Mechanical Engineering (p. 679)

Department of Metallurgical and Materials Engineering (p. 689)

Engineering Positive and Intentional Change, Minor (p. 691)

## Freshman Engineering Program

The Freshman Engineering Program at The University of Alabama offers a first-year experience designed to both motivate and engage our students. All engineering majors, with the exception of Musical Audio Engineering students, take a common first-year program with these goals:

- introduce students to the field of engineering
- ensure students have the skill sets necessary to successfully complete second-year engineering courses
- illustrate the relevance of mathematics and science to the field of engineering

If you, as a current or prospective student, have questions about the Freshman Engineering Program at The University of Alabama, please visit <https://students.eng.ua.edu/programs/fep/>; call 205-348-0750; or write to Freshman Engineering Program, College of Engineering, 2087 H.M. Comer Hall, The University of Alabama, Box 870200, Tuscaloosa, AL 35487-0200.

## Laptop Requirement

Effective Fall 2020, all students in the College of Engineering are required to have a laptop. This does not affect currently enrolled students who started in the 2019-20 academic year or before. For more information about recommended laptop specifications, click [Here](#).

## Degree Requirements

If a student does not complete the requirements for the undergraduate degree within a period of seven years from the date of admission, the College of Engineering will modify the student's program to bring it into compliance with current degree requirements. Students who have begun their careers seven years prior to the most current catalog may choose to complete the requirements outlined in this catalog, but if they do so they must complete all of the requirements listed herein. Students may not choose some requirements from this catalog and some from previous catalogs.

## Application for Degree

Each candidate for graduation must submit a degree application through the "Apply to Graduate" link under the MyBama Student tab. Students who expect to complete degree requirements in May can submit their degree applications beginning on October 1 of the previous year. Those who expect to finish their requirements after the summer or fall semester should submit their applications beginning in March before the expected graduation term. In all cases, an application for degree must be on file in Engineering Student Services no later than the stated deadline on the University Registrar Academic Calendar. Students who apply for their degrees after the stated deadline will be subject to a late fee and may not receive their diplomas until the following term.

The College of Engineering follows the admission and retention standards set by the University and reserves the right to change policies, procedures, degree requirements, schedules, courses offered, and other standards in light of circumstances that may arise after the publication of this catalog.

## Admission as a Freshman Student

A student who meets the criteria for admission to The University of Alabama as a freshman student is eligible for admission to the College of Engineering. Specific information about these criteria is available from The University of Alabama, Office of Undergraduate Admissions, Box

870132, Tuscaloosa, AL 35487-0132; 205-348-5666 or toll-free 1-800-933-BAMA in the continental United States.

Entering freshmen may enroll in specific degree programs, or they may enroll as undesignated engineering students. Students are initially placed in math and English courses based on standardized test scores or previously earned college credit. A math placement exam is available to qualify for a higher level math course. Per University policy, grade points earned in preparatory courses are counted in the GPA, but hours earned for such courses may not be applied to the requirements for a degree.

### Common Freshman Year

All students in the College of Engineering, with the exception of Musical Audio Engineering majors, have a common freshman-year experience. As part of this experience, all students must complete four hours of fundamental engineering courses. These four hours consist of:

Freshman Engineering Courses	Hours
ENGR 103 or ENGR 123 Engineering Foundations Engineering Foundations Honors	3
ENGR 111 Engineering for the Future (or major-specific introductory course*)	1

\*AEM 121, CE 121, CHE 125, CS 121, ECE 121, ME 121, MTE 121. One-hour introductory courses can be applied to any COE major, however it is recommended that students who have selected a major take the introductory course in that discipline.

### Admission as a Transfer Student

A student seeking to transfer into the College of Engineering from another institution is required to have an official transcript sent directly to the UA Office of Undergraduate Admissions from each college or university previously attended. A grade point average of "C" (2.0 on a 4.0 scale) or better for all college-level work attempted is required for admission to the University and to the College. Transferred courses will be applied as appropriate to a student's degree program. Courses where a grade of "D" was earned will not be applied if the course is a prerequisite to another course required for the student's degree program. The authority to apply or to deny transferred credit rests with the college.

### Transfers from Two-year Colleges

The College of Engineering adheres to the University's policy regarding transfer credit from two-year institutions. All courses for which credit is to be transferred must be of essentially the same quality as the equivalent courses at The University of Alabama.

### Transfers from Senior Colleges and Universities

Courses transferred from institutions accredited by ABET will be accepted within the broad limits of the graduation requirements of the College and the University. Students seeking to transfer credit from institutions not accredited by ABET or by a regional or national accrediting agency may be granted transfer credit on a provisional basis. Consult the Director of Engineering Student Services or the UA Office of Undergraduate Admissions for more information.

### Transfers from Other UA Divisions

Students who have earned fewer than 45 semester hours may transfer to the College of Engineering if they satisfy The University of Alabama Scholastic Progress Standard (see the Academic Records and General Academic Policies (p. 11) section of this catalog). A student who has earned 45 or more semester hours must have a cumulative GPA of at least 2.0 and an average of at least 2.0 (on a 4.0 scale) for a minimum of 12 semester hours at The University of Alabama. Credit that another

division of the University previously accepted for transfer from another institution will be reevaluated by the College of Engineering when a student transfers into the College from within the University.

### Auditing Courses

Click here for details regarding The University of Alabama's policy on auditing courses.

### Course Substitution

Occasionally, students may wish to substitute another course for a required course. In such instances, students are encouraged to work with their assigned advisor to initiate the formal petition process.

### Double/Second Majors

Click here for details regarding The University of Alabama's policy on second bachelor's degree, multiple majors, and dual majors.

Students should work with their assigned advisor to declare and understand the necessary requirements.

### Engineering Alternative to the Statewide General Studies Curriculum

Act 94-202, enacted by the Alabama legislature in 1994, provided equivalency for first- and second-year courses taught by colleges in the state of Alabama. In 1995, engineering educators presented an engineering alternative to the general studies curriculum (GSC) that modified the Act to specific needs of engineering colleges statewide. The engineering alternative was unanimously approved by the statewide Articulation and General Studies Committee in December 1995 and was made a part of GSC. The details of the College of Engineering Core Curriculum/General Education Requirements are listed in the Academic Records and General Academic Policies (p. 11) section of this catalog.

### Electives

Students in the College of Engineering may not apply mathematics courses below MATH 125 Calculus I. Courses below MATH 125 Calculus I are considered as preparatory courses by Engineering which cannot apply towards students' degree requirements. For guidance on selecting elective courses, students should work with their assigned advisor.

### Mathematics Assessment

Click here for details regarding The University of Alabama's policy on Mathematics Assessment.

### Pass/Fail Option

Click here for details regarding The University of Alabama's policy on grades and grade points.

The pass/fail option cannot be exercised for courses that are to be applied to the requirements of an engineering or computer science degree.

### Prerequisites

The College of Engineering requires a grade of C- or higher in each course that is a prerequisite to any course needed to meet a student's degree requirements. If a grade lower than C- is received in a prerequisite course, that course must be repeated. A grade of C- or higher must be earned before the student enrolls in the subsequent course. In such cases, students are responsible for making schedule changes through the drop/add process. Changes should be made before the beginning of the next term, and they must be made before the deadline for adding



courses. Failure to make the changes on time will result in administrative withdrawal from the course. Students who are administratively withdrawn from a course after the deadline to add a course may not add another course in replacement. For academic planning assistance, students should work with their assigned advisor.

## Advising

Brasfield & Gorrie Engineering Advising Center

2087 H.M. Comer

205-348-0750

The mission of the Engineering Advising Center is to educate students on the importance of academic advising by fostering a working advisor-student partnership designed to support students in achieving academic and personal goals. Engineering advisors aim to empower students to take ownership of their educational experiences by understanding and using the available resources through communication and involvement with the advising center. Students are assigned an advisor based on their major program of study. Advising in the College of Engineering is mandatory, so students must be advised each semester prior to registering for courses. Advising services include: semester and degree planning, schedule changes, academic warning or suspension advising, advising for co-op, study abroad and/or internships planning, degree audits and graduation certification, and much more. For more information on advising services, students are encouraged to visit the Engineering Advising Center website.

## Repeating Courses

Click here for details regarding The University of Alabama's policy on repeating courses.

Undergraduate students in the College of Engineering are limited to a maximum of three attempts per course offered by the College of Engineering, excluding withdrawals.

## Residence in the College and in the Major

A maximum of 12 hours of upper division courses (300/400 level) in the engineering majors, as shown in the Major requirements block of the Degree Works audit, can be transferred. For Computer Science degree programs, a maximum of 12 hours can be transferred at the 200/300/400 level. Senior design course(s) for all BS Engineering and Computer Science degree programs must be taken at UA and cannot be transferred from another institution.

## Vision

The University of Alabama College of Engineering will be a nationally-recognized leader in student-centered education, research and innovation.

## Mission

The mission of the College of Engineering is to serve the state, nation, and global community by advancing the boundaries of knowledge through innovative research and education of the next generation of leaders.

## Goals

- We will provide high-quality, exceptional experiences that educate distinguished bachelor's, master's and doctoral graduates.
- We will develop, conduct and disseminate innovative research that engages students at all levels.

- We will foster faculty dedication to excellence in education, research and service.

For more information about the College of Engineering and its programs and services, call or write: The University of Alabama, College of Engineering, Box 870200, Tuscaloosa, AL 35487-0200; 205-348-6400; eng.ua.edu.

## Faculty

### Interim Dean

Dr. W. Edward Back

### Associate Dean for Undergraduate and Graduate Programs

Dr. Viola L. Acoff

### Senior Associate Dean for Administration

Dr. Kenneth J. Fridley

### Interim Associate Dean for Research and Economic Development

Dr. Tim A. Haskew

## Department of Aerospace Engineering and Mechanics

The undergraduate curriculum in the Department of Aerospace Engineering and Mechanics leads to a Bachelor of Science in Aerospace Engineering (BSAE) degree and, in addition to an in-depth knowledge of aerospace engineering, the BSAE degree provides a background in the basic sciences, engineering sciences, humanities, applied analysis and design. Graduates with a suitable academic record are also prepared to pursue advanced degrees in aerospace engineering, engineering science and mechanics, other related engineering/technical fields of study and professional areas such as law and medicine.

- Majors
  - [Aerospace Engineering, BS \(p. 652\)](#)
  - [Aerospace Engineering Honors \(p. 651\)](#)
- Minors
  - [Aerospace Engineering \(p. 653\)](#)

## Accelerated Masters Program (AMP)

### Department Head

- Barkey, Mark

### James R. Cudworth Chair

- Gogineni, Prasad

### William D. Jordan Chair

- Roy, Samit

### Undergraduate Programs Coordinator

- Su, Weihua

### Graduate Programs Coordinator

- Hubner, James Paul

### Mechanics Programs Coordinator

- Barkey, Mark E.

### Professors

- Baker, John
- Barkey, Mark E.
- Gogineni, Prasad
- Hubner, James Paul

- Lang, Amy W.
- Olcmen, Semih
- Roy, Samit

**Associate Professors**

- Branam, Richard
- Haque, Anwarul
- Mulani, Sameer B.
- Sharif, Muhammad Ali Rob
- Shen, Jinwei
- Su, Weihua

**Assistant Professors**

- Aslangil, Denis
- He, Jiaze
- Larson, Jordan
- Lee, Myoungkyu
- Sood, Rohan
- Zhang, Ning

**Instructors**

- Brazeal, Clyde Ellis
- Jones, Stanley E.
- Klose, Katherine
- Li, Hui
- Papon, Easir

**Adjunct Faculty**

- Allison, Paul
- Jordan, Brian
- Thompson, Greg

**Professors Emeriti**

- Jackson, John E., Jr.
- Jones, Stanley E.
- Karr, Charles L.

**Associate Professor Emeritus**

- Freeman, Michael
- Whitaker, Kevin

**AEM120 Aerospace Science For Educators***N*

Hours 4

Students develop meaningful understanding and use of engineering and science knowledge and critical-thinking skills and come to appreciate engineering and science as part of the daily life of a scientifically literate professional.

Natural Science

**AEM121 Introduction to Aerospace Engineering I**

Hours 1

To survey aerospace history, discuss pertinent topics and introduce basic concepts that promote an understanding of aerospace engineering and the profession.

Prerequisite(s) with concurrency: MATH 125 or MATH 145

View All Courses

**Faculty****Department Head**

Barkey, Mark

**James R. Cudworth Chair**

Gogineni, Prasad

**William D. Jordan Chair**

Roy, Samit

**Undergraduate Programs Coordinator**

Su, Weihua

**Graduate Programs Coordinator**

Hubner, James Paul

**Mechanics Programs Coordinator**

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Karr, Charles L.

**Associate Professor Emeritus**

Freeman, Michael

Whitaker, Kevin

## Aerospace Engineering Honors

The AE Honors Program is designed to challenge exceptionally talented students with an enriched educational experience. The program is designed to coordinate with the University Honor Program Option 1 and Option 3 and an additional option is available to bestow Department Honors that does not satisfy the requirements of the University Honors Program (UHP). Students completing the AE Honors Program will be recognized at the Honors Day Ceremony in the student's senior year. It is also possible for a student in the AE Honors Program to participate in the AEM Accelerated Master's Program (AMP); visit [aem.eng.ua.edu/undergraduate/scholars-program](http://aem.eng.ua.edu/undergraduate/scholars-program) for more information.

Dr. Weihua Su, Undergraduate Program Coordinator  
205-348-6728; [suw@eng.ua.edu](mailto:suw@eng.ua.edu)

### Requirements for all options:

- must be a Bachelor of Science student majoring in Aerospace Engineering
- must be participating in the University Honors Program (UHP)
- must apply to the AEM Honors Program through the College of Engineering AE advisor
- must maintain UHP program requirements including a 3.5 GPA

### UHP Option 1 for AEM Department Honors:

- take UH 100 or UH 110 (2 credit hours)
- take UH 200 (2 credit hours)
- restricted electives (one 200-level UH course and one 300-level UH course) (6 credit hours)
- electives (any UH, departmental honors, or graduate-level course) (5 credit hours) recommended electives include ENGR 123, Math 145, Math 146, Math 247, PH 125, PH 126, CH 117, and CS 110
- AEM 491 or AEM 492 Special Topics as a Capstone experience course (3 credit hours)

The AEM Capstone experience is to be met by AEM 491 Special Problems or AEM 492 Special Problems by agreement and arrangement with AEM faculty. The student must identify an AEM faculty member that agrees to serve as the Special Problems instructor and the honors content of the course must be established prior to student registration and coordinated through UHP.

### UHP Option 3 for AEM Department Honors:

- take UH 100 or UH 110 (2 credit hours)
- take UH 200 (2 credit hours)
- at least one 200-level or 300-level UH course (3 credit hours)

- be a BSAE MSAEM AMP (Accelerated Master's Program) student
- complete AEM courses that satisfy AMP criteria (12 credit hours)

### AEM Department Honors without satisfying UHP Honors requirements:

- three of the following courses: Math 145, Math 146, Math 247, PH 125, PH 126, CH 117, or CS 110 (12 credit hours)
- be a BSAE MSAEM AMP (Accelerated Master's Program) student
- complete AEM courses that satisfy AMP criteria (6 credit hours)

### Faculty

**Chair**

Barkey, Mark

**Professors**

Baker, John

Barkey, Mark

Hubner, James Paul

Gogineni, Prasad

Roy, Samit

Olcmen, Semih

Lang, Amy W.

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Li, Hui

Papon, Easir

**Adjunct Faculty**

Allison, Paul

Jordan, Brian

Thompson, Greg

## Aerospace Engineering, BS

The successful Aerospace Engineering student and professional is skilled in mathematics, physics, and computer programming and usage.

### Student Outcomes

The Bachelor of Science in Aerospace Engineering (BSAE) degree program at The University of Alabama can demonstrate that its graduates have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

### Program Educational Objectives

Graduates of the Bachelor of Science in Aerospace Engineering (BSAE) program are expected within a few years after graduation to have:

1. Established themselves as practicing professionals or pursued advanced study in aerospace engineering (or other professional fields of interest)
2. Demonstrated their ability to work successfully as a member of a professional team and function effectively as responsible professionals
3. Engaged in professional service (professional societies and/or community service)

### Aerospace Engineering Curriculum

The College of Engineering enforces a C- or higher requirement for any course that is a prerequisite for another required course. Click here (p. 648) for the details regarding the College of Engineering policy on repeating courses and residency.

#### Freshman

Fall	Hours	Spring	Hours
MATH 125	0 or 4	MATH 126	4
CH 101 <sup>1</sup>	0 or 4	PH 105	4
Humanities (HU), Literature (L), or Fine Arts (FA) <sup>2</sup>	3	ENGR 103 or 123	3
AEM 121	1	EN 102	3

EN 101	3	AEM 249 <sup>4</sup>	3
		<b>7-15</b>	<b>17</b>

#### Sophomore

Fall	Hours	Spring	Hours
MATH 227	4	MATH 238 <sup>6</sup>	3
PH 106	4	AEM 250	3
AEM 201	3	AEM 251	1
ENGR 161 <sup>5</sup>	1	AEM 264	3
MATH 237 <sup>6</sup>	3	AEM 311	3
		History (HI) or Social and Behavioral Sciences (SB) <sup>2</sup>	3
		<b>15</b>	<b>16</b>

#### Junior

Fall	Hours	Spring	Hours
AEM 313	3	AEM 368	3
AEM 341	3	AEM 413	3
AEM 351	1	ME 349	3
AEM 360	3	History (HI) or Social and Behavioral Sciences (SB) <sup>2</sup>	3
ME 215	3	Humanities (HU), Literature (L), or Fine Arts (FA) <sup>2</sup>	3
Humanities (HU), Literature (L), or Fine Arts (FA) <sup>2</sup>	3		
		<b>16</b>	<b>15</b>

#### Senior

Fall	Hours	Spring	Hours
AEM 402	3	AEM 404	3
AEM 408	3	AEM 451	3
AEM 468	3	Aerospace Engineering Elective <sup>8</sup>	3
AEM 495	3	Engineering Elective <sup>9</sup>	3
Aerospace Engineering Computational Elective <sup>7</sup>	3	History (HI) or Social and Behavioral Sciences (SB) <sup>2</sup>	3
		<b>15</b>	<b>15</b>

**Total Hours: 116-124**

#### Footnotes

- <sup>1</sup> CH 100 will satisfy CH 101 requirement.
- <sup>2</sup> All students must complete a sequence of two of the HI/SB or HU/L/FA elective courses from the same department.
- <sup>3</sup> AEM 121 Intr. to Aerospace Eng. I is recommended, but can be satisfied by taking ENGR 111 Engineering for the Future or other engineering introductory courses.
- <sup>4</sup> A student may substitute CS 100 CS I for Majors (4 semester hours), CS 110 Honors CS I for Majors (4 semester hours), or RRS 101 and RRS 102 for AEM 249
- <sup>5</sup> ENGR 161 Small-Scale Eng. Graphics is recommended, but can be satisfied by taking ENGR 171 Large-Scale Eng. Graphics.
- <sup>6</sup> MATH 237 Introduction to Linear Algebra and MATH 238 Appld Diff Equations I may require a course that uses computers as a prerequisite such as AEM 249 Algorithm Devl Implementation; check with your advisor for a list of additional suitable courses.

- <sup>7</sup> Students may satisfy this requirement by successfully completing either AEM 420 Computational Fluid Dynamics or AEM 461 Computation Method Aero Struct. Consult here (p. 647) for pre/co-requisites.
- <sup>8</sup> Specific aerospace engineering and mechanics electives are offered regularly, but not necessarily every year. Undergraduate students with the required academic credentials may qualify to enroll in 500-level courses.
- <sup>9</sup> Any 400-level, 3-hour AEM elective, any 300- or 400- level, 3-hour College of Engineering course, or MTE 271 Engr Matls: Struc Prop. Any honors section of a course accepted toward an engineering degree may be applied in place of the non-honors section.

A BSAE degree is an entry-level requirement for various careers such as design, development, testing, and research in both the public and private aerospace industries. This degree would also provide an excellent background for students wishing to attend graduate school in other areas of engineering, sciences, medicine, law, or business. The program has successful graduates in all of these areas.

## Types of Jobs Accepted

Aerospace Engineer, Structural Design Engineer, Flight Test Engineer, Graduate Research Assistant, GNC Engineer, System Engineer.

## Jobs of Experienced Alumni

Senior Analyst, Director of Aviation and Missile Research, Systems Engineer, Chief Scientist, Senior Engineer.

Learn more about opportunities in this field at the Career Center

## Faculty

### Chair

Barkey, Mark

### Professors

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Jordan, Brian

Thompson, Greg

## Aerospace Engineering, Minor Minors for College of Engineering Students

A student majoring in an engineering program may earn a minor in engineering or in another division of the University. Examples are chemistry, mathematics, and physics, which are offered by the College of Arts and Sciences, and the general business minor offered by the Culverhouse College of Business. Required courses and electives needed for an engineering or computer science degree may also count toward the minor. For additional information about minors and the courses required in them, see the appropriate sections of the undergraduate catalog.

## Academic Policies for Minors

Academic criteria for a minor are determined by the division and program offering the minor. This includes prerequisite rules, minimum GPA and any academic standards. When a minor is optional, a student can withdraw from the minor at any time. Any minor attempted by a College of Engineering student must be completed at the time a Bachelor of Science degree is awarded. A student's graduation will not be delayed to complete an optional minor unless the student notifies the Engineering registrar prior to the degree certification deadline. Each College of Engineering department program should maintain a list of minor courses in their programs, together with effective dates, even if all courses in a program can be used in the minor.

## Minor in Engineering for Other Students

Two types of minors in the College of Engineering are available to students enrolled in other divisions of the University. The minors require a minimum of 18 hours in engineering courses. The Type 1 minor is a specialized program in any of the College's engineering disciplines. Course requirements and advising are available from the appropriate department head, who will appoint an advisor for a student desiring this type of minor. The Type 2 minor is a general minor in engineering. The associate dean of engineering appoints an advisor for a student pursuing a Type 2 minor, which requires a minimum of 18 hours in courses chosen from a list available from the associate dean for academic programs.

## Procedure for Minor Selection by Engineering Students

1. Go to myBama website
2. Select the "Student" tab
3. Click "Change of Major/Minor Application"
4. Click "Change Program"
5. Select a minor from the menu
6. Click "Continue"

A Minor in Aerospace Engineering requires the completion of a minimum of 18 hours including the following courses plus the required prerequisites:

Code and Title		Hours
<b>Mandatory Courses</b>		
AEM 250	Mechanics Of Materials I	3
AEM 264	Dynamics	3
AEM 311	Fluid Mechanics	3

Code and Title		Hours
<b>Select three of the following courses:</b>		
AEM 313	Aerodynamics	3
AEM 341	Aerospace Structures	3
AEM 360	Astronautics	3
AEM 368	Flight Mechanics	3
AEM 413	Compressible Flow	3

## Faculty

### Chair

Barkey, Mark

### Professors

Baker, John

Barkey, Mark

Gogineni, Prasad

Hubner, James Paul

Lang, Amy W.

Olcmen, Semih

Roy, Samit

### Associate professors

Branam, Richard

Haque, Anwarul

Mulani, Sameer B.

Sharif, Muhammad Ali Rob

Shen, Jinwei

Su, Weihua

### Assistant professors

Aslangil, Denis

He, Jiaze

Larson, Jordan

Lee, Myoungkyu

Zhang, Ning

Sood, Rohan

### Adjunct Faculty

Allison, Paul

Jordan, Brian

Thompson, Greg

## Department of Chemical and Biological Engineering

- Major
  - Chemical Engineering, BSChE (p. 656)
  - (p. 656)

## Program Objectives, Student Outcomes and Statistics

### Program Educational Objectives

Within a few years of graduation, UA chemical engineering graduates will be able to:

- Provide solution strategies for a wide variety of technical applications, including the design and improvement of chemical or biological processes
- Work independently and in teams to solve problems and effectively communicate technical issues and solutions to engineering colleagues, non-technical professionals, and lay persons
- Make decisions that are ethical, safe and environmentally-responsible

### Student Outcomes

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

### Enrollment and Graduation Statistics

The University of Alabama Office of Institutional Research and Assessment maintains annual enrollment and graduate data for the programs in the College of Engineering. Please visit the OIRA Statistical Profiles website to find statistics for student enrollment, degrees awarded and faculty data.

## Chemical and Biological Engineering Honors Program

The departmental honors program complements programs offered through UA's Honors College. The highlight of the ChBE honors program is a one-hour forum that focuses on emerging topics of interest in the field. In addition to this course, six hours of departmental honors course credits may be scheduled through the CHE 498 Honors Special Problems/CHE 499 Honors Special Problems sequence or other honors

courses. These credits may include one-on-one undergraduate research experiences, co-op or internship-for-credit experiences, work/study-abroad-for-credit experiences, and courses designed to be taken for joint undergraduate/graduate credit in the Scholars Program leading to advanced degree study. Five additional hours of honors credit must be taken from courses within the ChBE curriculum, and six further hours of honors credits must be earned from any of the University-wide honors programs. The chemical engineering honors courses may, in turn, be used to satisfy the requirements in the University-wide honor program(s) selected. Special recognition for completing these programs is given at the time of graduation.

### Eligibility

- Incoming freshmen: ACT of 28 or better or SAT of 1240 or better
- Transfer students: cumulative college GPA of 3.3 or better and 28 ACT/1240 SAT
- Current UA students: cumulative UA GPA of 3.3 or better

### Requirements for Recognition as Graduating with ChBE Honors

- Completion of the course requirements for the BS degree in Chemical Engineering
- Maintenance of a 3.3 GPA in all undergraduate coursework
- Completion of 18 hours of honors coursework:
  - 12 hours in the ChBE curriculum:
    - One hour of ChBE honors forum
    - Six hours of ChBE-designated courses
    - Five hours of any courses in the ChBE curriculum
  - Six hours of additional honors courses from within or outside the ChBE curriculum
  - Experiential-based coursework
  - Three hours must be experience-based, such as undergraduate research, co-op for credit, work internship for credit, undergraduate design, or a research experience at another university (REU)
  - Examples of honors courses offered in ChBE:
    - Independent research or design projects
    - ChBE electives in polymers, electronic materials, biochemical engineering, tissue engineering, or health and safety
    - Honors co-operative education and internship experiences
    - ChBE Honors Forum (explore advanced topics such as nanotechnology, hydrogen fuel cells, engineered medicine or alternative energy)

### Department Head

- Turner, C. Heath

### Professors

- Bara, Jason E.
- Gupta, Arunava
- Mumper, Russell J.
- Turner, C. Heath
- Van Zee, John W.
- Wiest, John M.

### Associate Professors

- Bao, Yuping
- Brazel, Christopher S.
- Huang, Qiang
- Kim, Yonghyun (John)

- Klein, Tonya M.
- Rao, Shreyas S.
- Ritchie, Stephen M. C.

### Adjunct Professors

- Flowers, Brian
- Gibson, Daniel
- Jackson, Enrique
- Kumar, Ravi
- Lizarazo-Adarme, Jair A.
- O'Harra, Kathryn
- Rugar, Paul A.
- Street, Shane
- Weaver, Mark L.

### Assistant Professors

- Esfahani, Milad Rabbani
- Harris, James W.
- Koh, Amanda S.
- Summers, Ryan M.
- Szilvási, Tibor
- Weinman, Steven T.
- Wujcik, Evan K.
- Zhao, Chao

### Emeritus Professors

- April, Gary
- Arnold, David W.
- Carlson, Eric
- Clements, William
- Lane, Alan
- McKinley, Marvin

### Instructor

- Manisali, Ahmet Y.

### CHE125 Introduction To Chemical Engineering

Hours 1

An introduction to the chemical engineering profession, its history and its career-enabling potential. The course contains selected topics, and alumni seminars covering the full range of career opportunities from emerging areas (nanotechnology, biochemical, multifunctional materials) to those found in the more traditional positions within the chemical, petrochemical and petroleum industries.

### CHE254 Chemical Engineering Calculations

Hours 4

Study of physical and chemical processes and chemical reactions; material and energy balance calculations for single-phase and multiphase systems; simultaneous energy and material balances. Offered fall and spring.

Prerequisite(s): CH 101 or CH 117; and MATH 125 or MATH 145; AEM 121 or AEM 131 or CE 121 or ECE 121 or ENGR 111 or ME 121 or MTE 121 or EE 121 or CS 121

Prerequisite(s) with concurrency: CHE 125

[View All Courses](#)

## Faculty

### Department Head

Turner, C. Heath

### Professors

Bara, Jason E.

Gupta, Arunava

Mumper, Russell J.

Turner, C. Heath

Van Zee, John W.

Wiest, John M.

### Associate Professors

Bao, Yuping

Brazel, Christopher S.

Huang, Qiang

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Zhao, Chao

### Emeritus Professors

April, Gary

Arnold, David W.

Carlson, Eric

Clements, William

Lane, Alan

McKinley, Marvin

## Instructor

Manisali, Ahmet Y.

## Chemical Engineering, BSChE

Chemical engineering students have strong interests in math, chemistry, physics, and biology. These subjects are often combined and encountered throughout our curriculum. Overall, chemical engineering students are curious about how and why things work, and they have a desire to invent new ways to improve existing technology.

The BSChE degree is a professional degree that prepares graduates for employment and graduate study in chemical engineering and related fields, as well as entry into professional programs such as medicine, dentistry, law, and business.

Chemical engineers apply economics, chemistry, biology, physics, and mathematics to the design and operation of processes and to the research and development of new materials, processes, and systems. The many and varied issues associated with going from concept to demonstration to operation of processes and equipment all fall within the province of chemical engineering. Chemical engineers are as comfortable with plant operations, research and development projects, synthesis of alternative fuels, energy conservation and conversion, process design, optimization and control, environmental conservation and pollution prevention, as they are with the exciting fundamental studies associated with biotechnology, nanotechnology, electrochemical technology, and other areas yet to be discovered.

The BSChE degree and curriculum place strong emphasis on the basic sciences, but a vital feature remains the high degree of confidence and practical ability gained from laboratory and design courses. Laboratories include equipment needed to study and demonstrate heat, mass, and momentum transfer; material and energy balances; process dynamics and control; chemical reaction systems, and thermodynamics. The laboratory courses cover fundamental principles to reinforce the basic courses within the chemical engineering curriculum, while also containing pilot scale process units and other pieces of equipment that allow students to build, operate, and analyze results collected during their operation. The Chemical and Biological Engineering High Bay Facility provides state-of-the-art visualization equipment for research and instruction in continuous and batch distillation and reaction engineering. Individual faculty member research laboratories give students the opportunity to work one-on-one with faculty in special problems courses.

The Chemical and Biological Engineering Design component of this curriculum includes development of student creativity, use of open-ended problems, development and use of modern design theory and methodology, formulation of design problem statements and specifications, consideration of alternative solutions, feasibility analyses, concurrent engineering design, technical research, and detailed system descriptions. The introduction of realistic constraints, such as economic factors, safety, reliability, aesthetics, ethics and environmental and social impacts, are used to fully develop each design experience.

## Program Objectives

Within a few years of graduation, UA chemical engineering graduates will be able to:

- Provide solution strategies for a wide variety of technical applications, including the design and improvement of chemical or biological processes
- Successfully pursue their desired career path while upholding ethical, safe, and environmentally-responsible strategies that benefit society



- Continue to grow professionally and advance in their respective careers by utilizing effective communication skills, by working successfully as a member of a professional team, and by expanding their knowledge and application of chemical and biological engineering

## Student Outcomes

Student learning outcomes include the following:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## Special Features

While the baccalaureate degree curriculum contains many courses designed to sequentially introduce students to methodologies for understanding, defining, and solving a broad array of increasingly complex problems, there are elements in the program that also allow students to investigate exciting and challenging issues that often exist at the intersections where engineering and the sciences meet. Some of the elective and special program options are described below.

## Chemical Engineering Curriculum

### Elective Courses and Minors

Students can explore other areas of personal interest through six hours of career electives as part of the curriculum. Six hours of credit must be selected to fulfill the career electives requirements of the curriculum. This provides students with an option to add breadth to their degree in preparation for the wide variety of careers that chemical engineers pursue after completing the B.S. degree. A student may also select courses through a chemical engineering elective course, an advanced science elective, a biochemistry elective and an engineering elective. Many of these elective courses can be used as part of obtaining a minor or certificate along with a B.S. degree in chemical engineering.

### Undergraduate Research

Many students elect to take special problems (undergraduate research) to gain valuable hands-on experience in laboratory or computational settings with a faculty member in ChBE or related disciplines. These courses may be used to satisfy elective course requirements when they are designed to meet the requirements of those course blocks. Products from this activity often include opportunities for making presentations at local and national meetings, co-authoring technical papers or travel. This

kind of activity is particularly helpful to students who wish to pursue an advanced degree in chemical engineering or related fields.

### International Opportunities

Study abroad programs enhance the undergraduate experience. While there are many opportunities to participate in international classes, some specific programs for chemical engineering students in recent years have included summer lab (ChE 323) in Denmark or Scotland, and an international exchange with University College Dublin in Ireland. Students should check the engineering website and UA's Study Abroad office for updated opportunities.

### Accelerated Masters Program

Administered by the University's Graduate School, this program allows eligible students to prepare for advanced study by enrolling in courses that can concurrently satisfy bachelor of science (B.S.) and master of science (M.S.) degree requirements. Enrollment typically is prior to the start of the junior year. The eligibility requirements may be found in the Special Academic Programs section of this catalog. A PhD accelerated program began in 2015 that allows students to combine their B.S with a PhD in Chemical Engineering.

### Dual Chemical Engineering/Chemistry Major

UA's Department of Chemical and Biological Engineering and Department of Chemistry offer a dual major program allowing undergraduate students to obtain a single B.S. degree in chemical engineering with both chemistry and chemical engineering listed as majors. The dual major combines core coursework for both chemical engineering and chemistry majors. Career and advanced science elective slots in the chemical engineering curriculum are satisfied by courses in Chemical Equilibria and Analyses, covering classical methods of quantitative and analysis including a laboratory introduction to spectroscopic and chromatographic methods, and Physical Chemistry with Elementary Physical Chemistry Laboratory, while the biology elective slot is fulfilled with Biochemistry I. In addition, Organic Chemistry Laboratory II and a 400 level chemistry elective course are required for a total of four additional hours beyond the chemical engineering degree requirement. Alternatively, students can pursue double majors, resulting in two degrees. A double major requires a completion of both degree programs (B.S. ChE and B.S. Chemistry, for example), and a minimum of 150 course credits at graduation.

### Pre-medical/Pre-dental/Pre-law Options

The baccalaureate degree is a popular study plan for preparation to enter one of the professional programs listed. Acceptance rates for our students are excellent and the preparation that an engineering degree provides makes these tracks desired ones.

***The general academic policies for the College of Engineering can be found here (p. 648).***

## Chemical Engineering Curriculum

### Freshman

Fall	Hours	Spring	Hours
CH 101 or 117	4	BSC 114 or 118	3
EN 101	3	CH 102 or 118	4
CHE 125	1	EN 102	3
MATH 125 or 145	4	MATH 126 or 146	4

ENGR 103 or 123	3 History (HI) or Social and Behavioral Sciences (SB) Elective <sup>1</sup>	3
<hr/>		
	<b>15</b>	<b>17</b>

**Sophomore**

Fall	Hours	Spring	Hours
CH 231	3	CH 232	3
CHE 254	4	CH 237	2
MATH 227 or 247	4	CHE 255	4
PH 105	4	MATH 238	3
		PH 106	4
<hr/>			
	<b>15</b>	<b>16</b>	

**Junior**

Fall	Hours	Spring	Hours	Summer	Hours
CHE 304	3	CHE 305	3	CHE 323 <sup>3</sup>	4
CHE 306	3	CHE 324	3		
Engineering Elective (see advisor)	3	CHE 354	3		
History (HI) or Social and Behavioral Sciences (SB) Elective <sup>1</sup>	3	Career Elective (see advisor)	3		
Humanities (HU), Literature (L), Fine Arts (FA) Elective	3	History (HI) or Social and Behavioral Sciences (SB) Elective <sup>1</sup>	3		
<hr/>					
	<b>15</b>	<b>15</b>		<b>4</b>	

**Senior**

Fall	Hours	Spring	Hours
CHE 481	3	CHE 482	3
CHE 493	3	Biochem Elective (see advisor)	3
Chemical Engineering Elective (see advisor)	3	Career Elective (see advisor)	3
Humanities (HU), Literature (L), or Fine Arts (FA) Elective	3	Humanities (HU), Literature (L), or Fine Arts (FA) Elective	3
Advanced Science Elective (see advisor)	3	CHE 440, 441, or 540 <sup>2</sup>	3
<hr/>			
	<b>15</b>	<b>15</b>	

**Total Hours: 127****Footnotes**<sup>1</sup> EC 110 Principles of Microeconomics is a recommended SB course.<sup>2</sup> Students in Accelerated Masters Program and graduate students may enroll in 500-level courses<sup>3</sup> CHE 323 Operations Laboratory can be replaced by taking both academic year labs: CHE 321 Basic CHE Lab and CHE 322 Unit Operations Laboratory.**Dual BS CHE/CH Degree Curriculum**

The College of Engineering enforces a C- or higher requirement for any courses that are a prerequisite for another required course.

**Freshman**

Fall	Hours	Spring	Hours
CH 101 or 117	0-4	BSC 114 or 118	3
CHE 125 <sup>1</sup>	1	CH 102 or 118	0-4
EN 101	3	EN 102	3
MATH 125 or 145	0-4	MATH 126 or 146	4
ENGR 103	3	History (HI) or Social and Behavioral Sciences (SB) Elective <sup>1</sup>	3
<hr/>			
	<b>7-15</b>	<b>13-17</b>	

**Sophomore**

Fall	Hours	Spring	Hours
CH 231	3	CH 232	3
CHE 254	4	CH 237	2
MATH 227 or 247	4	CH 223	0 or 4
PH 105 or 125	4	CHE 255	4
History (HI) or Social and Behavioral Sciences (SB) Elective <sup>1</sup>	3	MATH 238	3
<hr/>			
	<b>18</b>	<b>12-16</b>	

**Junior**

Fall	Hours	Spring	Hours	Summer	Hours
CH 338	0 or 2	CHE 305	3	CHE 323 <sup>3</sup>	4
CHE 304	3	CHE 324	3		
CHE 306	3	CHE 354	3		
PH 106 or 126	4	Humanities (HU), Literature (L), or Fine Arts (FA) Elective	3		
Humanities (HU), Literature (L), or Fine Arts (FA) Elective	3	Humanities (HU), Literature (L), or Fine Arts (FA) Elective	3		
<hr/>					
	<b>13-15</b>	<b>15</b>		<b>4</b>	

**Senior**

Fall	Hours	Spring	Hours
CHE 481	3	CHE 482	3
CHE 493	3	CH Elective	3
Chemical Engr. Elective (see advisor)	3	CHE 440, 441, or 540 <sup>2</sup>	3

CH 341	3 Engineering Elective (see advisor)	3
CH 343	1 History (HI) or Social and Behavioral Sciences (SB) Elective	3
CH 461		3
<b>16</b>		<b>15</b>

**Total Hours: 113-131**

#### Footnotes

- <sup>1</sup> EC 110 Principles of Microeconomics is a recommended SB course.
- <sup>2</sup> Students enrolled in Accelerated Masters Program and graduate students may enroll in 500-level courses.
- <sup>3</sup> CHE 323 Operations Laboratory can be replaced by Academic Year Labs CHE 321 and CHE 322.

## Biological Engineering Concentration

- Students must complete a minimum of 15 credit hours from the approved courses list (below)
- Students must be Chemical Engineering majors to receive credit for the concentration

Required course - must complete one of the following. If a student selects CH 461 or BSC 450 for the biochemistry requirement, they cannot count the other course, but may count CHE 445/446 as an elective course.

Code and Title	Hours
CHE 445 or Introduction to Biochemical Engineering	3
CHE 446 Honors Intro to Biochem Eng	
CH 461 Biochemistry I	3
BSC 450 Fundamentals of Biochemistry	3

Electives - must complete 12 hours from the list below.

Code and Title	Hours
CHE 418 or Tissue Engineering	3
CHE 419 Honors Tissue Engineering	
CHE 492 Special Topics (Stem Cell Engineering AND/OR Microbial Engineering)	3
BSC 300 Cell Biology	0 or 3
BSC 310 Microbiology	3
BSC 312 Microbiology Lab	2
BSC 315 Genetics	3
BSC 385 Ecology and Evolution	3
BSC 424 Human Physiology	3
BSC 425 Human Physiology Lab	2
BSC 435 Immunology	4
BSC 441 Developmental Biology	3
BSC 442 Integrated Genomics	4
BSC 444 General Virology	3
BSC 449 Endocrinology	3
BSC 451 Molecular Biology	3

BSC 465	Prin Of Toxicology	3
PH 411	Biophysics	3

Students find careers in the following industries: petroleum, plastics, pulp and paper, food, consumer products, biotechnology, fine chemicals, pharmaceuticals, medical, environmental

## Types of Jobs Accepted

Our chemical engineering students are in high demand and find jobs with local industries within the state, as well as with Fortune 500 companies around the globe. Common employers are power companies, engineering design firms, large chemical manufacturers, and petroleum refiners.

## Jobs of Experienced Alumni

Our experienced alumni have become leaders in major industries, consulting firms, the medical field, and academic institutions. We have had alumni obtain positions as faculty at MIT and as CEOs at Fortune 500 companies, and become prominent judges. Many of our alumni stay connected with our department, including service on our Advisory Board.

Learn more about opportunities in this field at the Career Center

## Department of Civil, Construction and Environmental Engineering

Office: 3047 H.M. Comer Hall

Civil, construction, and environmental engineers design and build the local communities in which we all live and work. They also work globally to make positive change in the world. Civil, construction, and environmental engineers are in high demand and make a difference locally and globally from planning the public parks in our own neighborhoods to providing clean and safe drinking water to children in refugee camps a world away, from designing and constructing modern sports stadiums to environmentally cleaning up polluted lakes and streams, and from creating new and efficient public transportation networks to developing smart materials for our next generation of infrastructure.

- Majors
  - Architectural Engineering, BS (p. 661)
  - Civil Engineering, BS (p. 662)
  - Construction Engineering, BS (p. 664)
  - Environmental Engineering, BS (p. 666)
- Minors
  - Architectural Engineering (p. 662)
  - Civil Engineering (p. 664)
  - Construction Engineering (p. 665)
  - Environmental Water and Resources Engineering (p. 666)
  - Structural Engineering (p. 667)
  - Transportation Engineering (p. 667)

The American Society of Civil Engineers (ASCE) states the following vision for civil, construction, and environmental engineers in the year 2025: Entrusted by society to create a sustainable world and enhance the global quality of life, civil engineers serve competently, collaboratively, and ethically as master:

- planners, designers, constructors, and operators of the built environment
- stewards of the natural environment and its resources

- innovators and integrators of ideas and technology across the public, private, and academic sectors
- managers of risk and uncertainty caused by natural events, accidents, and other threats
- leaders in discussions and decisions shaping public environmental and infrastructure policy

Civil, construction and environmental engineering provides a full breadth of opportunities for those who, for example, dream of designing and constructing structures from roller coasters to skyscrapers, designing new water purification and distribution systems that provide clean and safe drinking water, or creating tomorrow's safe and sustainable transportation systems to move people and goods efficiently.

The department's comprehensive and flexible set of programs provides students with the knowledge, skills, and attributes necessary to successfully enter the profession and lead exciting, fulfilling careers. Students may choose between four undergraduate majors, the Bachelor of Science in Civil Engineering (BSCE), the Bachelor of Science in Construction Engineering (BSConE), the Bachelor of Science in Environmental Engineering (BSEnvE), and the Bachelor of Science in Architectural Engineering (BSArchE). Additionally, students may elect to supplement their degree with one of the department minors: architectural engineering (for non-architectural majors), civil engineering (for non-civil majors), construction engineering (for non-construction majors), environmental and water resources engineering (for non-environmental majors), structural engineering, and transportation engineering.

## Departmental Honors Program

The Department of Civil, Construction, and Environmental Engineering offers an undergraduate honors program for students who seek to be challenged by both independent and team projects, and who wish to receive additional distinction with their undergraduate degrees. This individually tailored program culminates with awarding of a Department Honors Certificate and recognition at the Honors Day Ceremony in the student's senior year.

### Requirements for the Bachelor of Science Degree with Honors

The requirements for the Bachelor of Science in Civil Engineering with honors and the Bachelor of Science in Construction Engineering with honors are as follows:

1. Completion of the course requirements for the BS degree in civil engineering or construction engineering
2. Maintenance of at least a 3.3 GPA in all civil engineering courses, as well as a 3.3 cumulative GPA in all undergraduate coursework
3. Completion of 12 hours of approved civil engineering courses using honors credit by contract. The professor and the honors student enter a contract by which the student agrees to additional work to receive honors credit. The following courses are guaranteed available for honors by contract:

Code and Title	Hours
CE 260 Civil & Construction Surveying	2
CE 320 Intro Environmental Engineerg	3
CE 366 Introduction to Construction Engineering	3
CE 378 Water Resources Engineering	3
CE 433 Reinf Concrete Struct I	3

4. While the above courses are available for the Departmental Honors Program, they are not required. Other CE courses are available and can be included as part of the required 12 hours of honors credit by contract. Courses other than those listed above taken for honors

credit require instructor and departmental approval. Student should contact the instructor for availability.

5. Completion of an honors undergraduate thesis. Students must work directly with a department faculty member on a problem of common interest. Credit for the thesis work is given through completion of three credit hours of the following course: CE 491 Special Topics in Civil Engineering. Credit for the honors thesis also is accepted as a CE elective within the civil or construction engineering curriculum.

Students enrolled in the Civil, Construction, and Environmental Engineering Departmental Honors Program are also encouraged to participate in either the University Honors Program or Computer-Based Honors Program.

Students interested in the Civil, Construction, and Environmental Engineering Departmental Honors Program should contact the department office or their academic advisors for further details.

### CE121 Intro Civil Constrctn Envir Eg

Hours 1

Introduce the student to the areas of professional, civil and environmental engineering practices with exposure to faculty members specializing in each area, solving typical problems in each professional area, learning of the activities of service organizations, and the responsibilities of professional practice.

### CE220 Society Infrastruct & Environm

Hours 3

Permitting, environmental impact statements and other environmental issues associated with human activities and engineering projects.

[View All Courses](#)

## Faculty

### Department Head

Back, W. Edward

### Associate Department Head

Moynihan, Gary P.

### Director, Undergraduate Programs

Williamson, Derek G.

### Director, Graduate Programs

Kreger, Michael

### Director, Center for Sustainable Infrastructure

Liang, Daan

### Executive Director, Alabama Transportation Institute

Nambisan, Shashi

### Director, University Transportation Center for Alabama

Smith, Randy

### Director, Large Scale Structures Laboratory

Kreger, Michael

### Director, Center for Complex Hydrosystems

Moradkhani, Hamid

### Director, Center for Water Quality

Moradkhani, Hamid

### Professors

Back, W. Edward

Batson, Robert G.

Clement, Prabhakar  
 Fridley, Kenneth J.  
 Jones, Jr., Steven  
 Kreger, Michael  
 Moradkhani, Hamid  
 Moynihan, Gary P.  
 Wang, Jialai

#### Associate Professors

Aaleti, Sri  
 Dao, Thang N.  
 Elliott, Mark  
 Kumar, Mukesh  
 Song, Wei  
 Tootle, Glenn  
 Williamson, Derek G.

#### Assistant Professors

Amirkhanian, Armen  
 Bhardwaj, Saahastaranshu  
 Hainen, Alexander  
 Kim, Sungjin  
 Liu, Jun  
 Moftakhari, Hamed  
 Nnaji, Chukwuma  
 Shin, Minjae  
 Terry, Leigh

#### Adjunct professor

Allen, Jody

#### Instructor

Monk, Bridgett

## Architectural Engineering, BS

Architectural engineering students are interested in how buildings are designed, how they stand up against the forces of nature, and how they are built and maintained. Students are also concerned with how buildings function as a coordinated set of structural, electrical, communication, and mechanical systems. Architectural engineers are also interested in how these systems support a building's mission and its occupants' needs in a sustainable manner. They are creative problem solvers addressing national and international challenges of energy needs, sustainable new and reconditioned building systems, urban development, and community planning.

## Program Educational Objectives

The educational objectives of the University of Alabama's Bachelor of Science in Architectural Engineering (BSArchE), program is to have graduates who, within a few years of graduation, are in demand and lead fulfilling professional careers, in their chosen area of professional practice, through their demonstrated abilities to:

1. Apply foundational knowledge of mathematics, science, humanities, and social sciences; and
2. Synthesize technical knowledge of engineering analysis and design to identify, formulate, and solve problems; and
3. Employ their professional practice skills.

## Student Outcomes

Students, upon completion of the BSArchE, program, will be able to:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that met specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.
7. An ability to require and apply new knowledge as needed, using appropriate learning strategies.

All students are strongly encouraged to prepare for and pass the Fundamentals of Engineering (FE) examination prior to graduation.

## Architectural Engineering Curriculum

### Freshman

Fall	Hours	Spring	Hours
CE 121 or ENGR 111	1	ENGR 171	1
MATH 125 or 145	0-4	MATH 126 or 146	4
ENGR 103 or 123	3	PH 105 or 125	4
EN 101	3	EN 102	3
CH 100, 101, or 117	4	History (HI) or social and behavioral sciences (SB) elective. <sup>1,4</sup>	3
			<b>11-15</b>

### Sophomore

Fall	Hours	Spring	Hours
CE 260	2	CE 262	3
AEM 201	3	AEM 250	3
MATH 227 or 247	4	AEM 264	3
GES 255	3	MATH 238	3
Approved natural science (N) elective <sup>2</sup>	4	PH 106 or 126	4
			<b>16</b>

### Junior

Fall	Hours	Spring	Hours
CE 331	3	CE 340	4
CE 366	3	CE 434	3

AEM 311	3	ECE 350	3
ECE 320	3	ME 216	3
History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>	3	History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>	3
	<b>15</b>		<b>16</b>
<b>Senior</b>			
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
Senior (plan of study) elective <sup>3</sup>	3	CE 406	4
CE 433	3	CE 462	3
ME 407	3	Senior Plan of Study Elective <sup>3</sup>	6
ARH 252 or 253	3	Humanities (HU), literature (L), or fine arts (FA) elective <sup>1,4</sup>	3
COM 123 or 124	3		
	<b>15</b>		<b>16</b>

**Total Hours: 120-124**

#### Footnotes

- <sup>1</sup> Students are encouraged to consider EC 110 Principles of Microeconomics as an SB, CE 220 Society Infrastruct & Environm as an SB, and/or a foreign language as an HU.
- <sup>2</sup> Approved natural science (N) electives include:  
BSC 114 Principles Of Biology I and BSC 115 Laboratory Biology I or BSC 118 Honors General Biology I  
CH 102 General Chemistry or CH 118 Honors General Chemistry  
GEO 101 The Dynamic Earth  
GEO 102 The Earth Through Time  
GEO 105 Sustainable Earth  
GY 101 Atmospheric Proc & Patterns  
GY 102 Earth Surface Processes  
GY 207 Field Water and Climate
- <sup>3</sup> See CCEE Department or Advisor.
- <sup>4</sup> The College of Engineering core curriculum requires a minimum of nine hours of HU, L, or FA courses and nine hours of HI or SB courses.  
Students must satisfy the College of Engineering in-depth requirement (minimum of six hours in one core designation (HU, L, FA, HI or SB) in the same discipline (subject)).  
Click here for a list of UA Core Courses.

The College of Engineering requires a grade of "C-" or better be earned in all courses that are a pre-requisite to classes used to fulfill degree requirements. If a grade lower than "C-" is received in a course that is a pre-requisite, that course must be repeated and a grade of "C-" or higher must be earned before enrolling in the subsequent course.

All architectural engineering students are strongly encouraged to prepare for and pass the Fundamentals of Engineering (FE) examination prior to graduation. A graduate of the program who has passed the FE exam would then be an engineer intern under Model Law as maintained by the National Council of Examiners for Engineering and Surveying (ncees.org). It is recommended that the FE be taken the semester prior to graduation.

Related department policies and updates of catalog information are posted on the department website.

Architectural engineers work in a wide spectrum of careers centered on building systems. Architectural engineering graduates can serve as designers of structural, lighting, HVAC, and building energy systems. They work as construction and constructability experts, urban and city planners, project managers, and green building leaders. They are highly involved in the complicated and creative arena of bringing older, historic, and large office and governmental buildings back into productive use.

Learn more about opportunities in this field at the Career Center

## Architectural Engineering, Minor

The department offers a suite of minors. For additional information regarding any of the minors offered by the department, please contact the Department of Civil, Construction, and Environmental Engineering; Room 3047 H.M. Comer Hall; 205-348-6550. Related department policies and updates of catalog information are posted on the department website.

Code and Title	Hours
<b>Required Courses</b>	
CE 331 Intro to Structural Eng.	0 or 3
CE 366 Introduction to Construction Engineering	3
CE 403 or CE 404 Capstone Design: Building CivE	4
CE 404 Capstone Design: Building ConE	

#### Approved Electives

Courses must be approved in at least two of the following areas: structural engineering and design, building mechanical systems and/or construction engineering and management	12
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**Total Hours** 19-22

## Civil Engineering, BS

Civil engineering students are interested in how buildings are designed, how they are built, and how they stand up against the forces of nature. They are concerned about the environment and how to provide clean water and improve air quality. They want to be part of the solution for traffic congestion and improve how to move people and goods locally, nationally, and globally. They want to better protect people, their belongings, their homes and businesses from natural disasters and help to create a sustainable and resilient future through creative and technical solutions.

## Program Educational Objectives

The educational objectives of the University of Alabama's Bachelor of Science in Civil Engineering (BSCivE), program is to have graduates who, within a few years of graduation, are in demand and lead fulfilling professional careers, in their chosen area of professional practice, through their demonstrated abilities to:

1. Apply foundational knowledge of mathematics, science, humanities, and social sciences; and
2. Synthesize technical knowledge of engineering analysis and design to identify, formulate, and solve problems; and
3. Employ their professional practice skills.

## Student Outcomes

Students, upon completion of the BSCivE, program, will be able to:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

- An ability to apply engineering design to produce solutions that met specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
- An ability to communicate effectively with a range of audiences.
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts.
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.
- An ability to require and apply new knowledge as needed, using appropriate learning strategies.

All students are strongly encouraged to prepare for and pass the Fundamentals of Engineering (FE) examination prior to graduation.

## Civil Engineering Curriculum

### Freshman

Fall	Hours	Spring	Hours
CE 121 or ENGR 111	1	ENGR 171	1
ENGR 103 or 123	3	MATH 126 or 146	4
MATH 125 or 145	4	PH 105 or 125	4
EN 101	3	EN 102	3
CH 100, 101, or 117	4	History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>	3
	<b>15</b>		<b>15</b>

### Sophomore

Fall	Hours	Spring	Hours
CE 260	2	CE 262	3
AEM 201	3	AEM 250	3
MATH 227 or 247	4	AEM 264	3
Approved natural science (N) elective <sup>2</sup>	4	MATH 238	3
GES 255	3	PH 106, 126, CH 102, or CH 118	4
	<b>16</b>		<b>16</b>

### Junior

Fall	Hours	Spring	Hours
CE 331	3	CE 320	0 or 3
CE 340	4	CE 366	3
CE 350	3	CE 378	3
AEM 311	3	ECE 320, ME 215, or ME 216	3
History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>	3	History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>	3
	<b>16</b>		<b>12-15</b>

### Senior

Fall	Hours	Spring	Hours
Senior (plan of study) electives <sup>3</sup>	9	CE 401 or 403	4

COM 123 or 124	3	Senior (plan of study) electives <sup>3</sup>	9
Humanities (HU), literature (L), or fine arts (FA) elective <sup>1,4</sup>	3	Humanities (HU), literature (L), or fine arts (FA) elective <sup>1,4</sup>	3
	<b>15</b>		<b>16</b>

**Total Hours: 121-124**

### Footnotes

<sup>1</sup> Students are encouraged to consider EC 110 Principles of Microeconomics as an SB, CE 220 Society Infrastruct & Environm as an SB, and/or a foreign language as an HU.

<sup>2</sup> Approved natural science (N) electives include:  
BSC 114 Principles Of Biology I and BSC 115 Laboratory Biology I or BSC 118 Honors General Biology I  
GEO 101 The Dynamic Earth  
GEO 102 The Earth Through Time  
GEO 104 Hazardous Earth  
GEO 105 Sustainable Earth  
GY 101 Atmospheric Proc & Patterns  
GY 102 Earth Surface Processes  
GY 207 Field Water and Climate

<sup>3</sup> Senior (plan of study) electives must be CE courses numbered 400 or above or other approved electives. Other courses may be approved by petition. At least six hours of the senior electives must be design-designated (D) courses. In addition, not more than two senior electives may be professional practice (P) courses, including any non-civil engineering courses. See the department list for a list of approved senior design electives, including approved design-designated (D), professional practice (P), and general technical (G) electives.

<sup>4</sup> The College of Engineering core curriculum requires a minimum of nine hours of HU, L, or FA courses and nine hours of HI or SB courses.  
Students must satisfy the College of Engineering in-depth requirement (minimum of six hours in one core designation (HU, L, FA, HI or SB) in the same discipline (subject)).  
Click here for a list of UA Core Courses.

The College of Engineering requires a grade of "C-" or better be earned in all courses that are a pre-requisite to classes used to fulfill degree requirements. If a grade lower than "C-" is received in a course that is a pre-requisite, that course must be repeated and a grade of "C-" or higher must be earned before enrolling in the subsequent course.

Related department policies and updates of catalog information are posted on the department website.

Civil engineering provides a broad spectrum of career opportunities including water resources engineer, structural engineer, transportation engineer, environmental engineer, geotechnical engineer, construction engineer, site or urban planning engineer and architectural engineer. In addition, civil engineering graduates can use their technical knowledge and skills for entry into other professions such as medicine or law.

## Types of Jobs Accepted

Graduates are design engineers and field engineers. They work in engineering sales and technical support. From small local firms to large multi-national firms, from specialty consulting to full-service design-build, from industry to government to public service, graduates accept offers

from many different types of employers. Many get graduate degrees in civil or environmental engineering or go on to medical or law school.

## Jobs of Experienced Alumni

Civil engineers often become community leaders. Understanding the built environment and how to make cities and structures more energy efficient, environmentally friendly and sustainable, alumni are well positioned to lead society in resolving many of the issues important to the future. Graduates often own design firms, move into corporate management, become civic leaders through state and federal public service, become research and development engineers and are entrepreneurs in business development.

Learn more about opportunities in this field at the Career Center

## Civil Engineering, Minor

The department offers a suite of minors. For additional information regarding any of the minors offered by the department, please contact the Department of Civil, Construction, and Environmental Engineering; Room 3047 H.M. Comer Hall; 205-348-6550. Related department policies and updates of catalog information are posted on the department website.

Code and Title	Hours
<b>Required Courses</b>	
CE 320 Intro Environmental Engineering	0 or 3
CE 331 Intro to Structural Eng.	0 or 3
CE 340 Geotechnical Engineering	0 or 4
CE 350 Intro. to Transportation Eng	3
CE 366 Introduction to Construction Engineering	3
CE 378 Water Resources Engineering	3
<b>Approved Electives</b>	
Courses must be an approved civil engineering senior (400-level) electives	6
<b>Total Hours</b>	<b>15-25</b>

## Construction Engineering, BS

Construction engineering majors typically like to build things and figure out ways to do so more quickly and with less waste materials. In the field, construction engineers work on different types of building projects, coordinating with team members to create cities and communities where people live and work.

### Program Educational Objectives

The educational objectives of the University of Alabama's Bachelor of Science in Construction Engineering (BSConE), program is to have graduates who, within a few years of graduation, are in demand and lead fulfilling professional careers, in their chosen area of professional practice, through their demonstrated abilities to:

1. Apply foundational knowledge of mathematics, science, humanities, and social sciences; and
2. Synthesize technical knowledge of engineering analysis and design to identify, formulate, and solve problems; and
3. Employ their professional practice skills.

### Student Outcomes

Students, upon completion of the BSConE, program, will be able to:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that met specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.
7. An ability to require and apply new knowledge as needed, using appropriate learning strategies.

All students are strongly encouraged to prepare for and pass the Fundamentals of Engineering (FE) examination prior to graduation.

## Construction Engineering Curriculum

### Freshman

Fall	Hours	Spring	Hours
CE 121 or ENGR 111	1	ENGR 171	1
ENGR 103 or 123	3	MATH 126 or 146	4
MATH 125 or 145	0-4	PH 105 or 125	4
EN 101	3	EN 102	3
CH 100, 101, or 117	4	History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>	3
	<b>11-15</b>		<b>15</b>

### Sophomore

Fall	Hours	Spring	Hours
CE 260	2	CE 262	3
AEM 201	3	AEM 250	3
MATH 227 or 247	4	AEM 264	3
Approved natural science (N) elective <sup>2</sup>	4	MATH 238	3
GES 255	3	PH 106 or 126	4
	<b>16</b>		<b>16</b>

### Junior

Fall	Hours	Spring	Hours
CE 331	3	CE 418	3
CE 340	4	CE 462	3
CE 366	3	CE 463	3
Engineering systems elective <sup>5</sup>	3	Engineering systems elective <sup>5</sup>	3
History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>	3	History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>	3
	<b>16</b>		<b>15</b>



Senior Fall	Hours	Spring	Hours
CE 461	3	CE 402 or 404	4
CE 468	3	CE 464	3
Senior (plan of study) elective <sup>3</sup>	3	Senior (plan of study) electives <sup>3</sup>	6
COM 123 or 124	3	Humanities (HU), literature (L), or fine arts (FA) elective <sup>1,4</sup>	3
Humanities (HU), literature (L), or fine arts (FA) elective <sup>1,4</sup>	3		
	<b>15</b>		<b>16</b>

**Total Hours: 120-124**

#### Footnotes

- <sup>1</sup> Students are encouraged to consider EC 110 Principles of Microeconomics as an SB, CE 220 Society Infrastruct & Environm as an SB, and/or a foreign language as an HU.
- <sup>2</sup> Approved natural science (N) electives include:  
BSC 114 Principles Of Biology I and BSC 115 Laboratory Biology I or BSC 118 Honors General Biology I  
CH 102 General Chemistry or CH 118 Honors General Chemistry  
GEO 101 The Dynamic Earth  
GEO 102 The Earth Through Time  
GEO 104 Hazardous Earth  
GEO 105 Sustainable Earth  
GY 101 Atmospheric Proc & Patterns  
GY 102 Earth Surface Processes  
GY 207 Field Water and Climate
- <sup>3</sup> Senior (plan of study) electives must include at least one course in project management (PM) and at least one course in design (CD); one course may be a general technical elective (GT). See the department for a list of approved electives including approved project management (PM), design (CD) and general technical (GT) electives.
- <sup>4</sup> The College of Engineering core curriculum requires a minimum of nine hours of HU, L, or FA courses and nine hours of HI or SB courses.  
Students must satisfy the College of Engineering in-depth requirement (minimum of six hours in one core designation (HU, L, FA, HI or SB) in the same discipline (subject)).  
Click here for a list of UA Core Courses.
- <sup>5</sup> Students must complete six hours of systems electives chosen from: ECE 320 Fundmtl Electrical Engr, ME 215 Thermodynamics I or ME 216 Thermal Engineering Survey, and AEM 311 Fluid Mechanics.

The College of Engineering requires a grade of "C-" or better be earned in all courses that are a pre-requisite to classes used to fulfill degree requirements. If a grade lower than "C-" is received in a course that is a pre-requisite, that course must be repeated and a grade of "C-" or higher must be earned before enrolling in the subsequent course.

All construction engineering students are strongly encouraged to prepare for and pass the Fundamentals of Engineering (FE) examination prior to graduation. A graduate of the program who has passed the FE exam would then be an engineer intern under model law as maintained by the National Council of Examiners for Engineering and Surveying (ncees.org). It is recommended that the FE be taken the semester prior to graduation.

Related department policies and updates of catalog information are posted on the department website.

Construction engineers pursue careers in the public sector, managing projects that benefit society, working on highways, mass transit systems, dams, bridges, and infrastructure. Careers are also available with private sector engineering design and construction firms that manage commercial and industrial projects for clients throughout the world. Construction engineering careers frequently serve as a gateway to executive leadership positions or self-employment. Construction engineers lead and inspire people and effectively manage large budgets and challenging schedules.

## Types of Jobs Accepted

Construction engineering graduates often begin their careers with field-based assignments. Many serve as assistant project managers on construction sites. They may assist in the management of a project's cost and schedule or serve in a variety of engineering functions. Other graduates go directly to positions with major industrial firms serving as corporate client representatives on major projects. Still others find career opportunities with state and federal agencies helping plan and oversee major public sector projects.

## Jobs of Experienced Alumni

Experienced construction engineers plan and execute major projects and frequently are directly accountable for overall safety, cost, and schedule performance. Many manage million and billion dollar projects with schedules extending over many years. Most construction engineers have organizational management responsibilities for the corporations or agencies they serve, and many ultimately serve in executive leadership positions.

Learn more about opportunities in this field at the Career Center

## Construction Engineering, Minor

The department offers a suite of minors. For additional information regarding any of the minors offered by the department, please contact the Department of Civil, Construction, and Environmental Engineering; Room 3047 H.M. Comer Hall; 205-348-6550. Related department policies and updates of catalog information are posted on the department website.

Code and Title	Hours
<b>Minor Courses</b>	
CE 366 Introduction to Construction Engineering	3
CE 461 or CE 462 Horizontal Construction Methods Vertical Construction Methods	3
CE 463 or CE 468 Construction Cost Estimating Construction Scheduling	3
CE 464 Safety Engineering	3
<b>Approved Electives</b>	
Select six hours <sup>1</sup>	6
<b>Total Hours</b>	<b>18</b>

#### Footnotes

- <sup>1</sup> Courses must be an approved senior (400-level) electives. Students may take both CE 461 Horizontal Construction Methods and CE 462 Vertical Construction Methods and/or both CE 463 Construction Cost Estimating and CE 468 Construction Scheduling to satisfy the requirements of the minor.

## Environmental and Water Resources Engineering, Minor

The department offers a suite of minors. For additional information regarding any of the minors offered by the department, please contact the Department of Civil, Construction, and Environmental Engineering; Room 3047 H.M. Comer Hall; 205-348-6550. Related department policies and updates of catalog information are posted on the department website.

Code and Title	Hours
<b>Required Courses</b>	<b>12</b>
CE 320 Intro Environmental Engineering	
CE 378 Water Resources Engineering	
CE 422 Solid And Hazardous Waste Mgt	
CE 425 Air Quality Engineering	
<b>Electives</b>	
Select a minimum of six approved civil engineering elective hours	6
<b>Total Hours</b>	<b>18</b>

## Environmental Engineering, BS

Environmental engineers are interested in how natural and managed systems respond to physical, chemical and biological process in order to reduce to the impact of industrialized society on human health and the environment. Environmental engineers engage in developing next generation integrated waste management systems, integrated water reuse and sustainable cities.

### Program Educational Objectives

The educational objectives of the University of Alabama's Bachelor of Science in Environmental Engineering (BSEnVE) program is to have graduates who, within a few years of graduation, are in demand and lead fulfilling professional careers, in their chosen area of professional practice, through their demonstrated abilities to:

1. Apply foundational knowledge of mathematics, science, humanities, and social sciences; and
2. Synthesize technical knowledge of engineering analysis and design to identify, formulate, and solve problems; and
3. Employ their professional practice skills.

### Student Outcomes

Students, upon completion of the BSEnVE program, will be able to:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that met specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.
7. An ability to require and apply new knowledge as needed, using appropriate learning strategies.

All students are strongly encouraged to prepare for and pass the Fundamentals of Engineering (FE) examination prior to graduation.

## Environmental Engineering Curriculum

### Freshman

Fall	Hours	Spring	Hours
CE 121 or ENGR 111		1 ENGR 171	1
ENGR 103 or 123		3 MATH 126 or 146	4
MATH 125 or 145		0-4 PH 105 or 125	4
EN 101		3 EN 102	3
CH 100, 101, or 117		4 History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>	3
		<b>11-15</b>	<b>15</b>

### Sophomore

Fall	Hours	Spring	Hours
CE 260		2 CE 262	3
AEM 201		3 AEM 250	3
MATH 227 or 247		4 AEM 264	3
GES 255		3 MATH 238	3
Approved natural science (N) elective <sup>2</sup>		4 CH 102 or 118	0-4
		<b>16</b>	<b>12-16</b>

### Junior

Fall	Hours	Spring	Hours
CE 320		0 or 3 CE 340	4
BSC 114 & BSC 115		1-4 CE 378	3
AEM 311		3 CE 425	3
COM 123 or 124		3 History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>	3
History (HI) or social and behavioral sciences (SB) elective <sup>1,4</sup>		3 ME 215 or 216	3
		<b>10-16</b>	<b>16</b>

### Senior

Fall	Hours	Spring	Hours
Senior (plan of study) elective <sup>3</sup>		3 CE 405	4
CE 422		3 Senior (plan of study) elective <sup>3</sup>	6
CE 424		3 CE 420	0 or 3
CE 475		3 Humanities (HU), literature (L), or fine arts (FA) elective <sup>1,4</sup>	3

Humanities (HU), literature (L), or fine arts (FA) elective <sup>1,4</sup>	3	
	15	13-16

**Total Hours: 108-125**

#### Footnotes

- Students are encouraged to consider: CE 220 Society Infrastruct & Environm and EC 110 Principles of Microeconomics as an SB or Foreign language as an HU.
- Approved Science Elective must be an "Earth" Science.  
GEO 101 The Dynamic Earth  
GEO 102 The Earth Through Time  
GEO 104 Hazardous Earth  
GEO 105 Sustainable Earth  
GY 101 Atmospheric Proc & Patterns  
GY 102 Earth Surface Processes  
GY 207 Field Water and Climate
- See CCEE Department or Advisor.
- The College of Engineering core curriculum requires a minimum of nine hours of HU, L, or FA courses and nine hours of HI or SB courses.  
Students must satisfy the College of Engineering in-depth requirement (minimum of six hours in one core designation (HU, L, FA, HI or SB) in the same discipline (subject)).  
[Click here for a list of UA Core Courses.](#)

The College of Engineering requires a grade of "C-" or better be earned in all courses that are a pre-requisite to classes used to fulfill degree requirements. If a grade lower than "C-" is received in a course that is a pre-requisite, that course must be repeated and a grade of "C-" or higher must be earned before enrolling in the subsequent course.

All environmental engineering students are strongly encouraged to prepare for and pass the Fundamentals of Engineering (FE) examination prior to graduation. A graduate of the program who has passed the FE exam would then be an Engineer Intern under Model Law as maintained by the National Council of Examiners for Engineering and Surveying (ncees.org). It is recommended that the FE be taken the semester prior to graduation.

Related department policies and updates of catalog information are posted on the department website.

Environmental engineering provides a spectrum of career opportunities with consulting firms, public utilities, state and federal governments and industry. In addition, environmental engineering graduates can use their technical knowledge and skills for entry into other professions such as medicine, law, public and industrial health and natural resource management.

Learn more about opportunities in this field at the Career Center

## Structural Engineering, Minor

The department offers a suite of minors. For additional information regarding any of the minors offered by the department, please contact the Department of Civil, Construction, and Environmental Engineering; Room 3047 H.M. Comer Hall; 205-348-6550. Related department policies and updates of catalog information are posted on the department website.

Code and Title	Hours
<b>Minor Courses</b>	
CE 331 Intro to Structural Eng.	3

CE 432	Matrix Analysis of Structures	3
CE 433	Reinf Concrete Struct I	3
CE 434	Structural Steel Design I	3

#### Approved electives

Select a minimum of three hours, which must be an approved civil engineering elective

**Total Hours** 15

## Transportation Engineering, Minor

The department offers a suite of minors. For additional information regarding any of the minors offered by the department, please contact the Department of Civil, Construction, and Environmental Engineering; Room 3047 H.M. Comer Hall; 205-348-6550. Related department policies and updates of catalog information are posted on the department website.

Code and Title	Hours
<b>Minor Courses</b>	

CE 350	Intro. to Transportation Eng	3
CE 454	Urban Transportation Planning	3
CE 458	Traffic Engineering	3

#### Approved electives

Select a minimum of six credit hours, which must be approved senior (400-level) electives

**Total Hours** 15

## Department of Computer Science

The Department of Computer Science at The University of Alabama is part of the College of Engineering and offers programs in traditional Computer Science and in Cyber Security. This series of programs encompasses the study of computers and algorithmic processes, including their foundational principles, their software designs, their various applications, their security, and their impact on society. We strongly encourage our undergraduate students to participate in research experiences, and we provide multiple opportunities that match student interests to ongoing research projects. Our faculty are experts in their fields who regularly interact with industry partners and bring that experience to the classroom.

Computer Science at The University of Alabama covers the full range of foundational ideas of computer science in our curriculum, with areas of strength concentrated in cyber security, wireless networks, robotics, software engineering and computer science education. Computer science students not only design, implement, test and maintain individual software applications, but also develop and manage larger systems that integrate a wide range of components. Students graduating from our program find themselves working in careers such as software analysts, security specialists, database designers, software engineers, systems managers and program analysts.

Cyber Security is designed to provide a rigorous, technical degree that imparts the necessary knowledge, skills, and motivations to protect and defend digital information from attacks. This degree was developed in response to the growing need for professionals skilled in the protection and defense of digital information. Our Cyber Security graduates will possess the specific knowledge set needed to be on the forefront of designing, identifying and proposing new security strategies.

- Major
  - Computer Science, BS (p. 669)
  - Cyber Security, BS (p. 671)
- Minors
  - Computer Science (p. 672)
  - Computing Technology and Applications (p. 672)

**Interim Department Head**

- Susan Vrbsky

**Professors**

- Purushotham Bangalore
- David Brown
- Jeffrey Carver
- Jeff Gray
- Allen Parrish
- Yang Xiao

**Associate Professors**

- Monica Anderson
- Travis Atkison
- Brandon Dixon
- Jiaqi Gong
- Xiaoyan Hong
- Randy Smith
- Jingyuan Zhang

**Assistant Professors**

- Chris Crawford
- Lina Pu
- Donald Yessick

**Instructors**

- Leslie Dixon
- Brandi Gehrke
- Matthew-Lane May
- Kathleen Morris
- Rebecca Odom-Bartel
- Marc Skipwith
- Maegan Slaten Biehn
- Jennifer Watson
- Kim Wright

**Professor Emeritus**

- David Cordes
- John Lusth

**CS100 CS I for Majors**

Hours 4

A first course in programming for students majoring in computer science. Language concepts include primitives, variables, sequences, function, selection, iteration and recursion. Software engineering concepts include testing and debugging. System concepts include directories, paths, files, and text editing.

Prerequisite(s): (MATH 112 and MATH 113) or MATH 115 or UA ACT Subject Math Placement 565 or UA Placement Mathematics 440

Prerequisite(s) with concurrency: MATH 125 or MATH 126 or MATH 145 or MATH 146

**CS101 CS II for Majors**

C

Hours 4

A second course in programming for students majoring in computer science. Using a high-level language, students use object-oriented practices to study fundamental data structures and algorithms. Issues such as computability, problem complexity and algorithm analysis, efficient searching and sorting, data structures, and the object-oriented programming paradigm are introduced and explained. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): (CS 100 or CS 110 or RRS 102) and (MATH 125 or MATH 145)

Computer Science

[View All Courses](#)**Faculty****Interim Department Head**

Susan Vrbsky

**Professors**

Purushotham Bangalore

David Brown

Jeffrey Carver

Jeff Gray

Allen Parrish

Yang Xiao

**Associate Professors**

Monica Anderson

Travis Atkison

Brandon Dixon

Jiaqi Gong

Xiaoyan Hong

Randy Smith

Jingyuan Zhang

**Assistant Professors**

Chris Crawford

Lina Pu

Donald Yessick

**Instructors**

Leslie Dixon  
 Brandi Gehrke  
 Matthew-Lane May  
 Kathleen Morris  
 Rebecca Odom-Bartel  
 Marc Skipwith  
 Maegan Slaten Biehn  
 Jennifer Watson  
 Kim Wright

**Professor Emeritus**

David Cordes  
 John Lusth

## Computer Science, BS

Computing touches everyone's daily lives – the results of computer scientists can be found not only in video games, smartphones and the latest animated movie, but can also be found in automobiles, airplanes, and commonly used appliances such as microwaves, televisions, and most other electronic devices. Through studying computer science, students develop and extend logical thinking and problem-solving skills useful in many career roles. Graduates in computer science will be prepared for admission to graduate study or for immediate employment in business, industry, or government positions involving computer systems and techniques.

## Program Objectives

The mission of the Department of Computer Science is to provide a broad-based, high-quality education in computer science. Our program will provide its graduates with a body of knowledge and an attitude toward learning that allows them to contribute to the profession and, ultimately, to society. In order to accomplish this, we must provide an academic experience sufficiently rich in both theory and practice to ensure the development of fundamentally sound, skilled graduates.

For our B.S. degree program in computer science, the following educational objectives describe what graduates are expected to attain within a few years following graduation:

- Successfully engage in professional practice in the computing sciences or apply computer science tools to another field of interest.
- Pursue advanced study in the computing sciences.
- Regularly demonstrate their ability to contribute to society in a professional and ethical manner, communicate effectively, and work successfully in both independent and team environments.

The computer science undergraduate program, leading to a bachelor of science degree, is designed to enable students to:

- Analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively in a variety of professional contexts.

- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- Apply computer science theory and software development fundamentals to produce computing-based solutions.

**Freshman**

Fall	Hours	Spring	Hours
CS 100 or 110 (Computer Science I) <sup>1</sup>	4	CS 101 or 111 (CS II for Majors)	4
CS 121 <sup>2</sup>		1 MATH 126	4
MATH 125		0 or 4 EN 102	3
ENGR 103 or 123		3 HI/SB elective <sup>3</sup>	3
EN 101		3	
			<b>14</b>

**Sophomore**

Fall	Hours	Spring	Hours
CS 200 (Software Design and Engineering)	4	CS 201 (Data Structures & Algorithms)	4
ECE 380	4	ECE 383	4
MATH 301	3	HU/L/FA elective <sup>3</sup>	3
HU/L/FA elective <sup>3</sup>	3	Approved Nat Science (N) Elective	4
			<b>14</b>

**Junior**

Fall	Hours	Spring	Hours
CS 300	3	CS 403	3
CS 301	3	Computer Science elective, 400-level	3
GES 255 or MATH 355	3	MATH 237	3
HI/SB Elective <sup>3</sup>	3	HI/SB elective <sup>3</sup>	3
Free elective <sup>4</sup>	3	Free elective <sup>4</sup>	3
			<b>15</b>

**Senior**

Fall	Hours	Spring	Hours
CS 470 or CS 475	3	CS 495	3
Computer Science elective, 400 level	3	Approved natural science (N) elective (must complete a sequence when paired with either of the two N electives previously chosen)	4
Approved Natural Science (N) elective	4	Computer Science elective - 400-level	3
HU/L/FA elective <sup>3</sup>	3	Computer Science elective - 400-level	3
Free elective <sup>4</sup>	3	Free elective <sup>4</sup>	3
			<b>16</b>

**Total Hours: 116-120****Footnotes**

<sup>1</sup> A student may substitute RRS 101 RRS Freshman 1 and RRS 102 RRS Freshman 2 for CS 100 CS I for Majors.

<sup>2</sup> CS 121 is recommended, but it may be substituted with ENGR 111 or any other engineering introductory course.

<sup>3</sup> Students must complete a sequence of two of the HU/L/FA or HI/SB elective courses from the same department.

<sup>4</sup> Mathematics courses below calculus cannot be used to fulfill these hours.

## Honors Courses

Any honors section of a course accepted toward an engineering degree may be applied in place of the non-honors section.

## Transfer Courses

Please see the College of Engineering policy (p. 647) on transfer courses.

## Repeating Courses

Please see the College of Engineering policy (p. 648) on repeating courses.

## Approved Natural Science Electives

Approved Natural Science (N) electives must be chosen from majors courses. Potential courses include:

Code and Title	Hours
AY 101 Intro To Astronomy (Must take AY 102 to complete the N credit)	3
AY 102 Intro Astronomy Lab (Must take AY 101 to complete the N credit)	1
AY 203 Observational Astronomy (Must take AY 204 to complete the N credit)	2
AY 204 Solar System Astronomy (Must take AY 204 to complete the N credit)	3
BSC 114 Principles Of Biology I (Must take BSC 115)	3
BSC 115 Laboratory Biology I	1
BSC 116 Principles Biology II (Must take BSC 117)	3
BSC 117 Laboratory Biology II	1
CH 101 or CH 117 General Chemistry	4
CH 102 or CH 118 General Chemistry	4
GEO 101 The Dynamic Earth	4
GEO 102 The Earth Through Time	4
GEO 105 Sustainable Earth	4
GY 101 Atmospheric Proc & Patterns	4
GY 102 Earth Surface Processes	4
PH 101 General Physics I	4
PH 102 General Physics II	4
PH 105 or PH 125 General Physics W/Calc I	4
PH 106 or PH 126 General Physics W/Calc II	4
<b>Total Hours</b>	<b>61</b>

## Minors for Computer Science Majors

A minor is not required for students majoring in computer science. However, we strongly encourage all students to combine their individual interests with the free electives in the program to complete a minor in an area of interest to them. For example, computer science majors may earn

a minor in mathematics by completing the mathematics courses required by the computer science curriculum plus MATH 227 Calculus III and one additional math course numbered 300 or above, such as MATH 355 Theory Of Probability.

## Concentration in Software Engineering

In addition to the standard Bachelor of Science in Computer Science degree, the department offers a concentration in software engineering. This concentration will give students a deeper understanding of software engineering, a sub-discipline of computer science. This concentration requires 9 hours of 400-level software engineering classes, chosen from the list below. Students who successfully complete this concentration will have the designation indicated on their transcripts.

Select 9 hours (3 courses) from the list below:		Hours
CS 407	Software Interface Desgn	3
CS 416	Testing and Quality Assurance	3
CS 420	Software Evolution	3
CS 428	Computer Security	3
CS 444	Software Security	3
CS 445	Software Reverse Engineering	3
CS 452	Information Retrieval	3
CS 481	High Performance Computing	3

The coursework required for the software engineering concentration is the same as what is shown above for the computer science degree. Nine hours of 400-level CS electives must be approved software engineering electives. The current list of approved software engineering electives can be found on the Department of Computer Science's website.

This concentration does not require the student to take more than the 120 hours required for the B.S. degree, since nine of these course hours replace nine hours of CS electives in the B.S in CS curriculum.

Students choosing to complete two concentrations can apply a maximum of 3 course hours towards both concentrations.

## Concentration in Cyber Security

In addition to the standard Bachelor of Science in Computer Science degree, the department offers a concentration in cyber security. This concentration will give students a deeper understanding of cyber security, a sub-discipline of computer science. This concentration requires 9 hours of 400-level cyber security classes, chosen from the list below. Students who successfully complete this concentration will have the designation indicated on their transcripts.

Select 9 hours (3 courses) from the list below:		Hours
CS 428	Computer Security	3
CS 438	Computer Comm & Networks	3
CS 443	Digital Forensics	3
CS 444	Software Security	3
CS 445	Software Reverse Engineering	3
CS 448	Network Security	3

The coursework required for the Cyber Security Concentration is the same as what is shown above for the computer science degree. The current list of approved software engineering electives can be found on the Department of Computer Science's website.

This concentration does not require the student to take more than the 120 hours required for the Computer Science (B.S.) degree, since six of these course hours replace six hours of CS electives, and the other three

hours can be taken from the free electives in the Computer Science (B.S.) curriculum.

Students with a computer science degree may work in a traditional software company such as Google, Microsoft or IBM or in many industries driven by automation needs.

## Types of Jobs Accepted

Our students primarily are employed in the computer industry as software developers, software engineers and security and program analysts.

Recent graduates are employed at places such as Amazon, Google, Intergraph, IBM, ADTRAN, Southern Company, and AT&T.

## Jobs of Experienced Alumni

Our students advance to positions such as owner of their own company, software designer, network engineer and IT/IS supervisory roles. These jobs involve the direction and management of large-scale software development projects and their deployment.

Learn more about opportunities in this field at the Career Center

## Cyber Security, BS

The Cyber Security program is designed to provide a rigorous, technical degree that imparts the necessary knowledge, skills, and motivations to protect and defend digital information from attacks. The degree in Cyber Security will provide students with the technical skills and theoretical concepts needed to protect the Internet-connected hardware, software and data of computer systems. The Cyber Security program is a rigorous curriculum that will prepare a student for continued education at the graduate level. This degree will also help to develop, conduct and disseminate innovative research in cyber security, fostering dedication to excellence in education, research and service.

### Freshman

Fall	Hours	Spring	Hours
CS 121	1	CS 140	3
CS 100	4	CS 101	4
MATH 125	4	MATH 126	4
ENGR 103	3	PH 105	4
EN 101	3		
		<b>15</b>	<b>15</b>

### Sophomore

Fall	Hours	Spring	Hours
CS 200	4	ECE 380	4
MATH 301	3	CS 201	4
PH 106	4	MATH 237	3
EN 102	3	GES 255	3
		COM 123	3
		<b>14</b>	<b>17</b>

### Junior

Fall	Hours	Spring	Hours
ECE 383	4	CS 347	3
CS 300	3	CS 442	3
CS 301	3	CS 470 or 475	3
HI/SB Elective	3	HI/SB Elective	3
EN 319	3	Free Elective	3
		<b>16</b>	<b>15</b>

### Senior

Fall	Hours	Spring	Hours
ECE 484	3	CS 495	3
CS 428	3	CS 448	3
CS 438	3	CS Cyber Elective	3
CS Cyber Elective	3	HU/L/FA Elective	3
Free Elective	3	HI/SB Elective	3
		<b>15</b>	<b>15</b>

**Total Hours: 122**

### Major Area - Cyber Security

	Hours
CS 100 CS I for Majors	4
CS 101 CS II for Majors	4
CS 121 The Discipline of Computing	1
CS 140 Introduction to Cyber Security	3
CS 200 Software Design & Engineering	4
CS 201 Data Structures and Algorithms	4
CS 300 Operating Systems	3
CS 301 Database Management Systems	3
CS 470 or CS 475 Computer Algorithms Formal Languages & Machines	3
CS 442 Cryptography	3
CS 428 Computer Security	3
CS 438 Computer Comm & Networks	3
CS 448 Network Security	3
CS 495 Capstone Computing	3

**Total Hours 44**

### Supportive Courses

	Hours
ECE 380 Digital Logic	4
ECE 383 Microcomputers	4
ECE 484 Computer Architecture	3
GES 255 Engineering Statistics I	3
EN 319 Technical Writing	3
ENGR 103 Engineering Foundations	3

**Total Hours 20**

### General Studies

	Hours
Freshman Composition	6
History, Social/Behavioral Sciences	9
Humanities and Fine Arts	3
CS 347 Cyber Law and Ethics	3
MATH 125 Calculus I	4
MATH 126 Calculus II	4
MATH 237 Introduction to Linear Algebra	3
MATH 301 Discrete Mathematics	3
PH 105 General Physics W/Calc I	4
PH 106 General Physics W/Calc II	4
COM 123 Public Speaking	3

Credit Hours Subtotal: 46

**Total Hours 46**

Electives	Hours
CS Cyber Security Elective (CS 443, CS 444, CS 445, and departmental approved electives)	3
CS Cyber Security Elective (CS 443, CS 444, CS 445, and departmental approved electives)	3
Free Elective	3
Free Elective	3
<b>Total Hours</b>	<b>12</b>

The Cyber Security program is specifically designed to train and equip the student with the knowledge and skills necessary to defend computer and network systems, as well as data, from cyber attacks.

Graduates of the program would be fully prepared to pursue a wide range of possible professions including, but not limited to the following:

- Chief Information Security Officer
- Information Security Analyst
- Security Architect
- Security Engineer
- Security Consultant
- Vulnerability Assessor

Possible places of employment would include but are not limited to:

- Federal, local, state, and tribal government organizations
- Financial sector
- Educational institutions
- Healthcare organizations
- Manufacturing industry

In addition to numerous possible employment opportunities, graduates of this program will also be prepared to pursue diverse opportunities of continued education.

Learn more about opportunities in this field at the Career Center

## Computer Science, Minor

### Admission into the Minor

If students want or need a minor, they are expected to formally declare a minor. With the assistance of an advisor, students should complete the Declaration of Minor form before or during the third year of full-time enrollment.

Code and Title	Hours
<b>Minor Courses</b>	
CS 121 The Discipline of Computing	1
CS 100 or CS I for Majors (CS I)	4
CS 110 Honors CS I for Majors	
CS 101 or CS II for Majors (CS II for Majors)	4
CS 111 Honors CSII for Majors	
CS 200 Software Design & Engineering (Software Design & Engineering)	4
MATH 301 Discrete Mathematics	3
CS 201 Data Structures and Algorithms (Data Structures & Algorithms)	4
Credit Hours Subtotal:	20

#### Ancillary Courses

MATH 125 Calculus I	4
<b>Total Hours</b>	<b>24</b>

### Grade Point Average

A 2.0 grade point average in the minor is required. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA.

### Upper-level Residency

For A&S majors, a minimum of three hours of 300- or 400-level courses in the minor must be earned on this campus.

### Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser for the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Computing Technology and Applications, Minor

### Admission into the Minor

Students are expected to formally declare a minor. With the assistance of an advisor in the minor department, students should complete the Declaration of Minor form before or during the third year of full-time enrollment.

The minor in computing technology and applications (offered by the department of computer science) is primarily designed for students who are seeking to become computer literate in today's rapidly advancing technology. This minor requires 18 hours of CS courses that are specifically designed for non-majors.

Code and Title	Hours
<b>Minor Courses</b>	
CS 102 or CS 112 Computer Applications Digital Literacy	
Select one of the following sequences:	6
CS 202 Web Foundations & CS 312 and Website Design	
CS 285 Spreadsheet Applications & CS 385 and Advanced Spreadsheet Appl	
CS 302 Database Applications & CS 305 and Adv. Comp. Database Systems	
CS 340 Legal & Ethical Issues in Comp & CS 345 and Adv. Legal & Ethical Issues	
Select nine hours of additional courses offered by the Computer Science Department. Most students select nine hours of the following:	9
CS 104 Computer Science Principles	
CS 202 Web Foundations	
CS 223 Intro to Python Programming	
CS 285 Spreadsheet Applications	
CS 302 Database Applications	
CS 305 Adv. Comp. Database Systems	
CS 312 Website Design	



CS 340	Legal & Ethical Issues in Comp
CS 345	Adv. Legal & Ethical Issues
CS 385	Advanced Spreadsheet Appl
CS 391	Special Topics <sup>1</sup>

**Total Hours** 15

#### Footnotes

<sup>1</sup> CS 391 Special Topics courses will count towards the 18 hours for this minor. However, they do not carry a C-designation and thus cannot be used towards your Core Curriculum requirements.

The following courses all carry a C-designation and thus can be used towards the completion of your Core Curriculum requirements:

Code and Title	Hours
CS 102 Computer Applications	3
CS 104 Computer Science Principles	3
CS 112 Digital Literacy	3
CS 202 Web Foundations	3
CS 223 Intro to Python Programming	3
CS 285 Spreadsheet Applications	3
CS 302 Database Applications	3
CS 305 Adv. Comp. Database Systems	3
CS 312 Website Design	3
CS 340 Legal & Ethical Issues in Comp	3
CS 345 Adv. Legal & Ethical Issues	3
CS 385 Advanced Spreadsheet Appl	3

For students in the College of Arts and Sciences, at least two of your CS courses must be 300 level or higher.

## Grade Point Average

A 2.0 grade point average in the minor is required. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA.

## Upper-level Residency

For students in the College of Arts & Sciences, a minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Department of Electrical and Computer Engineering

The Department of Electrical and Computer Engineering at The University of Alabama offers programs in Electrical Engineering, Computer Engineering, and Musical Audio Engineering. Electrical Engineering students get deeply involved in technical areas including communication systems, computers, control systems, electromagnetics,

electronics and microelectronics, power systems, and signal processing. Students in Computer Engineering specialize in the software and hardware components of modern computing systems and cyber-physical systems. These programs provide a sound foundation for entry into the engineering profession, and opportunities for graduates are extensive, often depending only on the interests of the individual. Graduates work in most industries including the computer, telecommunications, power, aerospace, automotive, manufacturing, defense, and electronics industries. They design high-tech devices ranging from tiny microelectronic chips to powerful computers that use those chips, to efficient telecommunication systems that interconnect those computers. They design and operate a wide array of complex technological systems, such as power generation and distribution systems and modern computer-controlled manufacturing plants. They are also involved in sales, marketing, testing, quality control, and research. With additional training, they may even contribute in other professions, including education, medicine, and law.

The Musical Audio Engineering program is specifically designed to train students in the broadest spectrum of recording studio operations, the equipment used therein, live recording environments, and an in-depth understanding of equipment design, maintenance, and operation(s). Graduates of the program are fully prepared to pursue a wide range of possible professions including, but not limited to, audio recording engineer (specific to musical contexts); studio and live (on location) environments; audio equipment designer and manufacturer; audio equipment consultant; and audio equipment representative.

- Major
  - Electrical Engineering, BS (p. 676)
  - Computer Engineering, BS (p. 674)
  - Musical Audio Engineering, BS (p. 678)
  -
- Minor
  - Electrical Engineering (p. 678)

#### Department Head

- Haskew, Tim

#### Associate Department Head

- Ricks, Kenneth

#### Cudworth Professor of Electrical and Computer Engineering and Aerospace Engineering and Mechanics

- Gogineni, Prasad

#### Cudworth Professor of Electrical and Computer Engineering

- Sazonov, Edward

#### E.A. Larry Drummond Endowed Chair of Computer Engineering

- Hong, Yang-Ki

#### Professors

- Abu Qahouq, Jaber
- Balasubramanian, Bharat
- Cheng, Mark
- Haskew, Tim
- Hu, Fei
- Li, Dawen

#### Associate Professors

- Freeborn, Todd
- Kim, Seongsin

- Kotru, Sushma
- Kung, Patrick
- Lemmon, Andrew
- Li, Shuhui
- Ricks, Kenneth
- Song, Aijun

**Assistant Professors**

- Baker, Nick
- Gurbuz, Sevgi
- Jeong, Nathan
- Neshani, Sara
- Sun, Shunqiao
- Taylor, Andrew

**Adjunct Professor**

- Gupta, Su

**Professors emeriti**

- Burkett, Susan
- Jackson, Jeff
- Morley, Lloyd A. "Pete"

**ECE121 Introduction to Electrical and Computer Engineering**

Hours 1

Introduction to electrical and computer engineering disciplines, specializations, the engineering design process, mathematics required for these disciplines, computer-based modeling and simulation tools, and professional responsibilities.

Prerequisite(s): MATH 110

**ECE225 Electric Circuits**

Hours 4

Physical concepts and mathematical techniques of circuit analysis; DC, transient, and sinusoidal steady-state analysis of circuits; Includes laboratory experiments. Not open to students who have earned credit in ECE 320.

Prerequisite(s): (PH 105 or PH 125) and (PH 106 or PH 126) and (MATH 125 or MATH 145) and (MATH 126 or MATH 146) and (MATH 227 or MATH 247) and MATH 238

View All Courses

**Faculty****Department Head**

Haskew, Tim

**Associate Department Head**

Ricks, Kenneth

**Cudworth Professor of Electrical and Computer Engineering and Aerospace Engineering and Mechanics**

Gogineni, Prasad

**Cudworth Professor of Electrical and Computer Engineering**

Sazonov, Edward

**E.A. Larry Drummond Endowed Chair of Computer Engineering**

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Kotru, Sushma

Kung, Patrick

Lemmon, Andrew

Li, Shuhui

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Song, Aijun

**Assistant Professors**

Baker, Nick

Gurbuz, Sevgi

Jeong, Nathan

Neshani, Sara

Sun, Shunqiao

Taylor, Andrew

**Adjunct Professor**

Gupta, Su

**Professors emeriti**

Burkett, Susan

Jackson, Jeff

Morley, Lloyd A. "Pete"

## Computer Engineering, BS

This program gives students a broad knowledge of the software and hardware components of modern computing and cyber-physical systems, detailed computer-systems design, and the role of computer systems in various engineering disciplines. Students completing the program will be prepared for a computer-oriented engineering career with emphasis on design and applications of embedded computing systems.

Graduates with a Computer Engineering BS degree commonly begin their careers in a variety of functions including: hardware engineers, software engineers, computer systems analysts, computer support specialists, network system & data managers, communication analysts, network & computer systems administrators, computer programmers, database administrators, operations research analysts, and computer & information scientists. These graduates also pursue post-graduate degrees in Computer Engineering, Computer Science, Electrical Engineering, Business & Commerce, and even professional areas such as Law and Medicine.

## Program Educational Objectives and Student Outcomes

The mission of the undergraduate Computer Engineering program is to provide high-quality and broad-based education in Computer Engineering that emphasizes critical thinking and communication skills while preparing graduates for professional careers and lifelong learning. The faculty has adopted the educational objectives listed below for the Computer Engineering undergraduate program. The department has included a process to provide continual improvement of the curricula. Graduates will:

- excel in engineering careers and/or postgraduate education utilizing knowledge of Computer Engineering disciplines and underlying fundamental principles of science and mathematics, engineering analysis, problem solving, and design
- expand their knowledge of current and emerging issues in Computer Engineering and continue career-long professional development through engagement in lifelong learning
- grow professionally and advance throughout their engineering careers utilizing skills in effective communication; responsible, multidisciplinary teamwork; and adherence to principles of professional accountability and ethics.

To facilitate attainment of these career-long objectives, the department has defined a set of student outcomes and associated assessments to demonstrate that, by graduation, students have:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- An ability to apply engineering design to produce solutions that meet specific needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- An Ability to communicate effectively with a range of audiences
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies
- An ability to solve mathematics problems in probability, statistics, differential equations, linear algebra, complex variables, and discrete mathematics as they relate to problems in Computer Engineering.

The information contained here describes the undergraduate curriculum in Computer Engineering. Graduate students and students participating in the Accelerated Masters Program (AMP) should consult the graduate catalog for information on all cross-listed and graduate-only courses. More information about various programs within the department is available in the Electrical and Computer Engineering departmental office located in 3043 HM Comer Hall.

The overall goal of the Computer Engineering program is to prepare students for engineering careers within the discipline. The first year and

a half of the Computer Engineering curriculum includes basic courses in mathematics and physical science, broadening courses in humanities and social science, and foundation courses in engineering. The next three semesters provide the core education in Computer Engineering with courses in digital logic, microcomputers, computer programming, electronics, circuits, and systems. The last year of study includes two semesters of Capstone Design as well as required advanced courses in computer architecture and embedded systems (with its associated lab). Technical electives are available during the final year to allow students to concentrate in selected areas of the discipline. The department offers advanced courses in communications, controls, digital system design, and microelectronics.

To complete the senior-level electives, students must select one lecture with its associated lab (lecture/lab combination). This lecture/lab combination must be completed as a pair. Additional materials that describe the curriculum are available in the Electrical and Computer Engineering departmental office and on the Computer Engineering website.

Click here (p. 648) for details on the College of Engineering policy for repeating courses.

Click here (p. 648) for details on the College of Engineering Residency policy.

### Freshman

Fall	Hours	Spring	Hours
CH 101	4	PH 105	4
MATH 125	4	MATH 126	4
ECE 121 or ENGR 111 (Or other ENG intro courses)	1	ENGR 103 or 123	3
EN 101	3	EN 102	3
Humanities (HU), Literature (L), or Fine Arts (FA) Elective <sup>1,2</sup>	3		
	<b>15</b>		<b>14</b>

### Sophomore

Fall	Hours	Spring	Hours
PH 106	4	MATH 301	3
MATH 238	3	ECE 225	4
MATH 227	4	MATH 237	3
CS 100	4	ECE 380	4
		Humanities (HU), Literature (L), or Fine Arts (FA) Elective <sup>1,2</sup>	3
	<b>15</b>		<b>17</b>

### Junior

Fall	Hours	Spring	Hours
History (HI) or Social Behavioral Sciences (SB) Elective <sup>1,2</sup>	3	History (HI) or Social Behavioral Sciences (SB) Elective <sup>1,2</sup>	3
ECE 370	3	ECE 332	4
MATH 355	3	ECE 326	3
CS 101	4	CS 201	4
ECE 383	4		
	<b>17</b>		<b>14</b>

Senior		Hours	Spring	Hours
Fall				
Humanities (HU), Literature (L), or Fine Arts (FA) Elective <sup>1,2</sup>	3	History (HI) or Social Behavioral Sciences (SB) Elective <sup>1,2</sup>	3	
ECE 333	4	ECE Restricted Area Elective <sup>3</sup>	3	
ECE 492	2	ECE 494	2	
Select one of the following lecture/lab combinations	4	ECE Restricted Area Elective or Professional Elective <sup>3,4</sup>	3	
ECE 408 & ECE 409		ECE 486 & ECE 487	4	
ECE 475 & ECE 476				
ECE 480 & ECE 481				
ECE 484	3			
	<b>16</b>			<b>15</b>

**Total Hours: 123**

#### Footnotes

- <sup>1</sup> Students must satisfy the College of Engineering in-depth requirement (minimum of six hours in one discipline).
- <sup>2</sup> The College of Engineering core curriculum requires a minimum of: nine hours of HU, L, or FA courses; nine hours of HI or SB courses; six hours of FC courses; six hours of W courses (300- and 400-level ECE courses); 12 hours of N courses (eight hours of calculus-based physics); 12 hours of MA courses (MATH 125 Calculus I or higher); and six hours of C or FL courses.
- <sup>3</sup> The ECE Restricted Area Elective must be chosen from the list approved by the Department of Electrical and Computer Engineering and is found on the Computer Engineering website.
- <sup>4</sup> The Professional Elective must be chosen from the list approved by the Department of Electrical and Computer Engineering and is found on the Computer Engineering website.

Computer Engineering graduates have career opportunities in a number of industries and fields including, but not limited to, communications, manufacturing, aerospace, automotive, defense/military, medical, robotics and automation, and consumer electronics. The degree also provides an excellent background for graduate study in Electrical Engineering or Computer Engineering as well as Law and Medicine.

## Types of Jobs Accepted

Computer Engineering graduates often gain entry-level positions as embedded hardware designers, software developers, or design engineers with engineering and consulting firms across various industries including aerospace, defense, automotive, and robotics.

## Jobs of Experienced Alumni

Alumni of the Department of Electrical and Computer Engineering currently hold positions such as distribution manager, Alabama Power; vice president, ADTRAN; senior design engineer, Radiance Technologies; senior engineer, TSC.

Learn more about opportunities in this field at the Career Center

## Electrical Engineering, BS

The Electrical Engineering program gives students a broad knowledge of the math, physics, electronics, and power concepts necessary for a career in the discipline. Students will become familiar with electrical and electronic devices, audiovisual equipment, automobile electronics, electric motors, electric power generation and distribution, digital hardware, electromagnetics, remote sensing, signal processing, radar, LiDAR, and software development. Students develop critical-thinking and problem-solving skills throughout their studies. In addition, they develop an ability to apply their knowledge of mathematics, science, and general engineering to address technical issues associated with electro-technology.

Graduates with an Electrical Engineering BS degree commonly begin their careers in a variety of functions including: power generation, management, and distribution engineers; analog electronics designers; digital hardware designers; printed circuit board fabricators; and embedded hardware and software developers. Graduates often work in a wide range of industries including aerospace, defense/military, automotive, medical, software, and consumer electronics. These graduates also pursue post-graduate degrees in Electrical Engineering, Computer Engineering, Computer Science, Business & Commerce, and even professional areas such as Law and Medicine.

## Program Educational Objectives and Student Outcomes

The mission of the undergraduate Electrical Engineering program is to provide high-quality and broad-based education in Electrical Engineering that emphasizes critical thinking and communication skills while preparing graduates for professional careers and lifelong learning. The faculty has adopted the educational objectives listed below for the Electrical Engineering undergraduate program. The department has included a process to provide continual improvement of the curricula. Graduates will:

- excel in engineering careers and/or postgraduate education utilizing knowledge of Electrical Engineering disciplines and underlying fundamental principles of science and mathematics, engineering analysis, problem solving, and design
- expand their knowledge of current and emerging issues in Electrical Engineering and continue career-long professional development through engagement in lifelong learning
- grow professionally and advance throughout their engineering careers utilizing skills in effective communication; responsible, multidisciplinary teamwork; and adherence to principles of professional accountability and ethics

To facilitate attainment of these career-long objectives, the department has defined a set of student outcomes and associated assessments to demonstrate that, by graduation, students have:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- An ability to apply engineering design to produce solutions that meet specific needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- An Ability to communicate effectively with a range of audiences
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must

consider the impact of engineering solutions in global, economic, environmental, and societal contexts

- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies
- An ability to solve mathematics problems in probability, statistics, differential equations, linear algebra, complex variables, and discrete mathematics as they relate to problems in Electrical Engineering.

The information contained here describes the undergraduate curriculum in Electrical Engineering. Graduate students and students participating in the Accelerated Masters Program (AMP) should consult the graduate catalog for information on all cross-listed and graduate-only courses. More information about various programs within the department is available in the Electrical and Computer Engineering departmental office located in 3043 HM Comer Hall.

The overall goal of the Electrical Engineering program is to prepare students for engineering careers within the discipline. The first year and a half of the Electrical Engineering curriculum includes basic courses in mathematics and physical science, broadening courses in humanities and social science, and foundation courses in engineering. The next three semesters provide the core education in Electrical Engineering, with courses in computers, electronics, circuits, power, and systems. The last year of study includes two semesters of Capstone Design as well as technical electives to allow students to concentrate in selected areas of the discipline. For seniors, the department offers advanced courses in computers, communications, controls, electromagnetics, microelectronics, materials, and power.

To complete the senior-level electives, students must select two Electrical Engineering electives with associated labs (lecture/lab combinations). These lecture/lab combinations must be completed as a pair. Additional materials that describe the curriculum are available in the Electrical and Computer Engineering departmental office and on the Electrical Engineering website.

[Click here \(p. 648\)](#) for details on the College of Engineering policy for repeating courses.

[Click here \(p. 648\)](#) for details on the College of Engineering Residency policy.

#### Freshman

Fall	Hours	Spring	Hours
CH 101	4	PH 105	4
MATH 125	0 or 4	MATH 126	4
ECE 121 or ENGR 111 (Or other ENG intro courses)	1	ENGR 103 or 123	3
EN 101	3	EN 102	3
Humanities (HU), Literature (L), or Fine Arts (FA) Elective <sup>1,2</sup>	3		
		<b>11-15</b>	<b>14</b>

#### Sophomore

Fall	Hours	Spring	Hours
PH 106	4	PH 253	3

MATH 227	4	MATH 237	3
MATH 238	3	ECE 225	4
CS 100	4	ECE 380	4
		Humanities (HU), Literature (L), or Fine Arts (FA) Elective <sup>1,2</sup>	3
		<b>15</b>	<b>17</b>

#### Junior

Fall	Hours	Spring	Hours
MATH 355	3	ECE 326	3
ECE 370	3	ECE 350	3
ECE 332	4	ECE 333	4
ECE 383	4	ECE 330, 455, or PH 301	3
Humanities (HU), Literature (L), or Fine Arts (FA) Elective <sup>1,2</sup>	3	History (HI) or Social and Behavioral Sciences (SB) Elective <sup>1,2</sup>	3
		<b>17</b>	<b>16</b>

#### Senior

Fall	Hours	Spring	Hours
ECE 340	4	ECE Elective or Professional Elective <sup>4</sup>	3
ECE Restricted Area Elective <sup>3</sup>	3	ECE Elective	3
ECE 492	2	ECE 494	2
ECE Elective with Laboratory	4	ECE Elective with Laboratory	4
History (HI) or Social and Behavioral Sciences (SB) Elective <sup>1,2</sup>	3	History (HI) or Social and Behavioral Sciences (SB) Elective <sup>1,2</sup>	3
		<b>16</b>	<b>15</b>

**Total Hours: 121-125**

#### Footnotes

- <sup>1</sup> Students must satisfy the College of Engineering in-depth requirement (minimum of six hours in one discipline).
- <sup>2</sup> The College of Engineering core curriculum requires a minimum of: nine hours of HU, L, or FA courses; nine hours of HI or SB courses; six hours of FC courses; six hours of W courses (300- and 400-level ECE courses); 12 hours of N courses (eight hours of calculus-based physics); 12 hours of MA courses (MATH 125 or higher); and six hours of C or FL courses.
- <sup>3</sup> The ECE Restricted Area Elective must be chosen from the list approved by the Department of Electrical and Computer Engineering found on the Electrical Engineering website.
- <sup>4</sup> The Professional Elective must be chosen from the list approved by the Department of Electrical and Computer Engineering found on the Electrical Engineering website.

Electrical Engineering graduates have career opportunities in a number of industries and fields including, but not limited to, computing, communications, manufacturing, maintenance, utilities, aerospace, automotive, defense/military, medical, robotics and automation, and consumer electronics. The degree also provides an excellent background for graduate study in Electrical Engineering or Computer Engineering as well as Law and Medicine.

## Types of Jobs Accepted

Electrical Engineering graduates often gain entry-level positions as utility engineers, facilities engineers, programmers, or design engineers with

various engineering firms, consulting firms, and companies across a wide range of industries.

## Jobs of Experienced Alumni

Alumni of the Department of Electrical and Computer Engineering currently hold positions such as distribution manager, Alabama Power; vice president, ADTRAN; and senior design engineer, Radiance Technologies; senior engineer, TSC.

Learn more about opportunities in this field at the Career Center

## Electrical Engineering, Minor

A student should apply for the Electrical Engineering (EE) minor prior to achieving senior standing in order to have sufficient time to complete all requirements. A student indicates intent for the EE minor by completing the necessary steps online (DegreeWorks). Interested students may find that several of these ECE courses meet requirements or technical electives in the their home department.

The minor in Electrical Engineering can be fulfilled by the following requirements:

- The student must complete 18 hours of ECE designated courses at the 200-level or above.
- A letter grade of a "C-" or higher is required in all coursework for the EE minor.
- All prerequisites for ECE courses must be satisfied.

Computer Engineering students cannot earn a minor in Electrical Engineering.

## Musical Audio Engineering, BS

The Musical Audio Engineering (B.S.M.A.E.) degree program is designed to prepare students for the broadest spectrum of recording studio operations, the equipment used in recording studios, live recording environments, and in-depth understanding of equipment design, maintenance, and operations. Graduates of this program will not only be able to operate audio equipment, but they will be able to design audio equipment as skilled musicians.

The overall goal of the Musical Audio Engineering program is to prepare students for engineering careers within the audio processing and recording discipline. This unique program includes basic courses in mathematics and physical sciences, broadening courses in humanities and social sciences, foundation courses in electrical engineering, and music courses as well as musical performance.

To participate in this program, students must be accepted into both the School of Music and the College of Engineering. More information can be found on the College of Engineering's Musical Audio Engineering website, the School of Music's Musical Audio Engineering website, and audition requirements can be found here.

Click here (p. 648) for details on the College of Engineering policy for repeating courses.

Click here (p. 648) for details on the College of Engineering Residency policy.

Major Area (Music-Engineering)		Hours
MUS 340	Intro Recording Techniq	3
MUA 399	Junior Recital	1
MUA 499	Senior Recital	1
ECE 225	Electric Circuits	4

ECE 332	Electronics I	4
ECE 333	Electronics II	4
ECE 370	Signals And Systems	3
ECE 380	Digital Logic	4
ECE 383	Microcomputers	4
MUS 341	Adv Rec Tech (Recording Techniques)	3
MUS 308	Pro Tools Essentials	3
MUS 430	Applied Recording	10
ECE 327	Audio Networks and Signals (Audio Networks and Signals)	3

**Total Hours** 47

### Supportive Courses Hours

MUS 115	Theory I: Voice Leading	4
MUS 250	Music In World Cultures	3
MUS 351	Fund Of Conducting	2
MUA 010	Music Convocation	0
MUA 121	Class Piano I	1
MUA 122	Class Piano II	1
MUA 123	Class Piano III	1
MUA 124	Class Piano IV	1
MATH 125	Calculus I	4
MATH 126	Calculus II	4
MATH 227	Calculus III	4
MATH 237	Introduction to Linear Algebra	3
MATH 238	Appld Diff Equations I	3
PH 105	General Physics W/Calc I	4
PH 106	General Physics W/Calc II	4
CS 100	CS I for Majors	4
Secondary Instrument (100 Level)		2
Secondary Instrument (200 Level)		2
Large Ensembles (two semesters)		2
Credit Hours Subtotal:		49

### General Studies Hours

Freshman Composition		6
Foreign Language or CS		7
Humanities and Fine Arts		9
History, Social/Behavioral Sciences		9
Natural Sciences		8
Mathematics		18
Writing Designated Courses		8
Credit Hours Subtotal:		65

### Electives Hours

ECE Elective (400 level)		3
MUS Elective (300 or 400 level)		3
Credit Hours Subtotal:		6

Musical Audio Engineering graduates are prepared for careers within the audio processing and recording industries.

## Types of Jobs Accepted

Musical Audio Engineering graduates have opportunities in recording studio operations; live recording environments; and the design, fabrication, operation, and maintenance of recording equipment.

## Department of Mechanical Engineering

Mechanical engineers pursue careers in the automotive, aerospace, chemical, computer, communication, defense, energy, railroad and robotics industries, just to name a few. Mechanical engineers are also found in almost all manufacturing industries. Increasingly, mechanical engineers are needed in the environmental and bio-medical fields, and many of our graduates have pursued education in medicine and law. Without a doubt, virtually every product or service in modern life has probably been touched in some way by a mechanical engineer!

Our department is also offering a degree in manufacturing systems engineering. Manufacturing jobs have become a major staple in the state economy, and our department, joining forces by the College of Engineering and The University of Alabama, is doing what it can to supply a pipeline of workers. A manufacturing facility has been built as part of an initiative oriented to develop a premier hub for multidisciplinary research and education in intelligent and advanced manufacturing systems and processes. This B.S. program will provide graduates the skills and knowledge for successful careers in manufacturing systems and processes with practical applications ranging from manufacturing processes to cyber-physical systems.

- Major
  - Mechanical Engineering, BS (p. 685)
  - Manufacturing Systems Engineering, BS (p. 682)
- Minor
  - Automotive (p. 681)
  - Energy (p. 682)
  - Manufacturing (p. 684)
  - Mechanical Engineering (p. 687)
  - Robotics (p. 688)

## Mechanical Engineering Distance Programs

The Mechanical Engineering offers online degree programs at all three levels of BS, MS and PhD. Our online BSME, MSME and PhDME degree programs are rigorous and identical to their respective degrees earned by campus students at The University of Alabama in Tuscaloosa. Students receive the knowledge, skills and confidence needed to excel in a career that promises many challenges and great rewards!

More information on online Bachelor of Science in Mechanical Engineering, for online Master of Science in Mechanical Engineering and finally for online PhD in Mechanical Engineering can be found at UA Online. We are confident that distance education students will have a great opportunity to obtain their degrees with minimal travel or job disruption.

## Mechanical Engineering Honors Program

The Mechanical Engineering Honors Program is part of the College of Engineering Honors Programs and is designed to provide an enhanced academic experience for highly motivated, high-achieving students. The program develops problem-solving, critical-thinking and communication skills through a mentored experience-based activity. Research is particularly encouraged. Students completing the ME Honors Program will be awarded a certificate and recognized at the Honors Day ceremony in the student's senior year. Details can be found online at [me.eng.ua.edu](http://me.eng.ua.edu) under the undergraduate program link.

## Accelerated Master's Program (AMP)

The Accelerated Master's Program is intended for gifted and highly motivated candidates for BS degree in mechanical engineering at The University of Alabama whose objectives include degrees at the master's or doctoral level. In participating Accelerated Master's departments, with a closely integrated undergraduate and graduate program, qualified students apply for the program when they have earned 90 hours and meet other admission test score/GPA requirements begin graduate study in their senior year. Such a program may lead to simultaneous completion of requirements for both master's and bachelor's degrees, each within its specified framework. Students interested in AMP should contact the director of graduate programs in the department.

## Undergraduate Research Program

The Undergraduate Research Experience program provides our students with an enhanced educational experience. This is achieved by teaming the student with a faculty mentor who will work with and guide the student as the student completes a structured research project. Participation in the this program will:

- sharpen the student's critical thinking skills
- enhance the student's ability to apply engineering analysis techniques
- improve the student's ability to communicate technical information
- increase the student's confidence in his or her engineering skills
- provide exposure to the graduate-level research environment

Details can be found online at [me.eng.ua.edu](http://me.eng.ua.edu) under the undergraduate program link.

## Cooperative Education

Many mechanical engineering students participate in the cooperative education program. This is an academic program where students alternate work terms in an engineering environment in industry with full-time terms of course work. Co-op can greatly enhance your academic experience and employment opportunities. More information can be found on the Cooperative Education and Professional Practice Program website.

### Professor and Department Head

- Jalili, Nader

### Professors

- Agrawal, Ajay, Robert F. Barfield Endowed Chair in Mechanical Engineering, and Chair of ThermoFluids Science (TFS) Departmental Disciplinary Group
- Balasubramanian, Bharat, Executive Director of The Center for Advanced Vehicle Technology
- Bell, Stuart, University of Alabama President
- Krishnan, Sundar Rajan
- Shen, Xiangrong, Chair of Dynamic Systems and Control (DSC) Departmental Disciplinary Group
- Shepard, W. Steve, Associate Department Head and Director of Graduate Programs
- Srinivasan, Kalyan Kumar

### Associate Professors

- Amini, Shahriar (Sean)
- Ashford, Marcus
- Bittle, Joshua A.

- Fonseca, Daniel, Senior Design Projects Coordinator
- Khandelwal, Bhupendra
- Mahmoodi, S. Nima
- Momeni, Kasra
- Puzinauskas, Paul, Student Challenge Projects Coordinator
- Todd, Beth, Director of Undergraduate Programs
- Volkov, Alexey, Chair of Materials Processing and Manufacturing (MPM) Departmental Disciplinary Group
- Williams, Keith, Distance Learning Education Coordinator
- Yoon, Hwan-Sik

#### Assistant Professors

- Carpenter, Joseph, Director of Alabama Industrial Assessment Center
- Cousin, Christian
- Davami, Keivan
- Kasemer, Matthew
- Kim, Jin Kim
- Martelli, Dario
- Pakniyat, Ali
- Patiballa, Sree Kalyan
- Samadi, Foroza
- Shah, Krishna
- Vikas, Vishesh

#### Instructors/Research Engineers

- Hill, Lawrence, Senior Research Engineer, Alabama IMaDE
- Koutahzadeh, Negin, Instructor
- Scott, Radley, Research Engineer, Alabama IMaDE

#### Adjunct/Affiliated Professors

- Amaro, Robert L., Affiliated Faculty
- Daniewicz, Steve, Adjunct Faculty and Professor of MTE
- O'Neill, Zheng, Affiliated Faculty
- Rasoulzadeh, Mojdeh, Adjunct Faculty and Assistant Professor of Mathematics

#### Professors Emeriti

- Doughty, Julian O.
- Harrisberger, Lee
- Kavanaugh, Steve
- Midkiff, Clark
- Parker, Joey K.
- Taylor, Robert P.
- Woodbury, Keith, Associate Director of Alabama Industrial Assessment Center

### Prerequisites, Residency/Transfer Credit and Repeating Courses Policies

The Department of Mechanical Engineering adheres to the Prerequisite, Residency/Transfer Credit, and Repeating Course Policies of the College of Engineering. See the College of Engineering Policy page (p. 648) for more information.

#### Calculator Policy

Mechanical Engineering Department requires students to use a single calculator model for all written exams administered within the department. This calculator, which is also required for some math and

chemistry courses at the university, is inexpensive and readily available for purchase at the local supply store. Faculty may restrict access to other calculators during exams.

Required Calculator: Casio fx-260 Solar II NF

#### ME121 Introduction to Mechanical Engineering

Hours 1

An introduction to the discipline of mechanical engineering and the role of the mechanical engineer, including both mechanical and thermal/fluid stems. Focus is on learning about the discipline through a series of student hands-on activities.

Prerequisite(s): UA Math Placement Test Score of 370-439 or ACT Math Subscore of 28 or old SAT Math Subscore of 630 or new SAT Math Subscore of 650 or MATH 112

Prerequisite(s) with concurrency: MATH 113 or MATH 115 or MATH 125 or MATH 126 or MATH 145 or MATH 146 or MATH 227 or MATH 238

#### ME215 Thermodynamics I

Hours 3

Introduction to engineering thermodynamics. Topics include units and measures, thermodynamic system, property, and surroundings, closed, open and isolated systems, first law of thermodynamics for closed systems including calculations of boundary work and heat transfer interactions, properties of pure substances including determination of thermodynamic state using the state postulate, introduction to thermodynamic tables, ideal gases, first law of thermodynamics for open systems, second law of thermodynamics, absolute temperature scale, heat engine and refrigeration cycles, Carnot cycle, Kelvin-Planck and Clausius statements of the second law, determination of allowable, reversible, and impossible thermodynamic processes and cycles using the second law, introduction to entropy as a thermodynamic property using the second law, calculation of entropy change and entropy generation for closed and open systems. Introduction to isentropic processes and isentropic efficiencies of devices.

Prerequisite(s): MATH 126 or MATH 146 or MATH 132

[View All Courses](#)

### Faculty

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Jalili, Nader

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 Harrisberger, Lee  
 Kavanaugh, Steve  
 Midkiff, Clark  
 Parker, Joey K.  
 Taylor, Robert P.  
 Woodbury, Keith, Associate Director of Alabama Industrial Assessment Center

## Automotive, Minor

The Department of Mechanical Engineering has strong Dynamics, Systems and Controls (DSC) and Thermofluids Science (TFS) groups that are collectively research active with wide expertise in Transportation and Automotive systems including hybrid and electric drives and automation coupled with connected infrastructure. This Automotive minor will educate students in the Transportation and Automotive systems and will be accessible to non-ME students, e.g., Electrical Engineering, Computer Science, Chemical Engineering, Aerospace Engineering, Business, Management, Mathematics and Physics to just name a few. Students going through this minor will be prepared to enter a diverse and globally competitive workforce with interdisciplinary knowledge that can meet next-generation challenges relating to advancing automotive technology.

Advanced transportation and automotive systems are critical to our innovative and transformative economy which has driven great demand for engineers, managers and entrepreneurs trained in the complex inter-relationship of a wide variety of automotive systems. The University of Alabama Department of Mechanical Engineering is uniquely qualified to deliver this objective based on the institutional emphasis on transportation, its tremendous associated laboratory capability, and the popular student interest demonstrated in the outstanding automotive experience-based challenge programs available on campus (e.g. EcoCAR, Formula SAE, see ME Department Student Challenge Projects).

The automotive industry is dominated by large and diverse corporations, making understanding how they work essential to moving this technology forward. This Minor's objective is to provide this training while facilitating communication and interaction among the people participating in the transformation. The minor is open to all University students, however, it does require a number of prerequisites for the courses in the minor.

The Automotive Engineering Minor requires 19 total credits chosen by the students from the three categories of courses that follow. The hour ranges for each category indicate the minimum number of credits that must be completed in that category and the maximum number that can be applied to the minor requirements from that category. For example, if a student completes 12 credits from the technical category, they can satisfy the 19 credit requirement of the minor by taking the minimums of 3 experiential and 3 business courses plus the required 1 credit experiential capstone. Alternatively, if they complete only the minimum of 9 technical credits, then they must take an additional 3 credits from either the experiential or business categories.

Code and Title	Hours
<b>Experiential Course:</b>	<b>2-6</b>
ME 492 Automotive Experience (Automotive Experience) <sup>1</sup>	
<b>Experiential Requirement:</b>	<b>1</b>
ME 493 Automotive Experience Capstone (Automotive Experience Capstone) <sup>2</sup>	
<b>Technical Courses:</b>	<b>9-12</b>
At least one of ME 226 or ME 452 are required	
ME 226 Intro to Automotive Systems (Introduction to Automotive Systems)	
ME 364 Vehicle Dynamics	
ME 426 Internal Combustion Engines	
ME 452 Fundamentals of Auto. Systems	
ME 454 Auto. Elec. and Electron. Sys.	
ME 458 Mode. and Sim. Auto. Sys.	
<b>Management Courses:</b>	<b>3-6</b>

ME 380 & ME 480	Engineering Leadership I and Engineering Leadership II
ME 480	Engineering Leadership II
ME 484	Product Innovation
AC 210	Intro To Accounting
EC 110	Principles of Microeconomics
LGS 200	Legal Environment of Business
MIS 200	Fundamentals of MIS
ST 260	Statistical Data Analysis
MGT 300	Org Theory & Behavior
MKT 300	Marketing
OM 300	Intro Operations Management

**Total Hours** 15-25

#### Footnotes

- <sup>1</sup> These experiences associated with automotive design teams and automotive industry focused internships will be overseen by the design team advisors or appropriate faculty from the ME, ECE of CS departments. Students earn 1 credit hour per semester involved. At least 2 credits MUST come from automotive design team participation.
- <sup>2</sup> This course serves as a portfolio of the experiences the student had within the teams and internships and documents how the courses they selected enhanced these experiences and vice versa. The course deliverables will include a report and presentation. The last of the three experience courses can be taken concurrently with this capstone course.

## Energy, Minor

The Department of Mechanical Engineering has a strong Thermofluids Systems (TFS) group that is research active with wide expertise in thermal and energy systems including clean, renewable and sustainable energy as well as energy management. This Energy minor will educate students in the TFS domain of Energy and will be accessible to non-ME students, e.g., Electrical Engineering, Computer Science, Chemical Engineering, Aerospace Engineering, Mathematics and Physics to just name a few. Students going through this minor will be prepared to enter a diverse and globally competitive workforce with interdisciplinary knowledge that can meet next-generation challenges relating to energy.

Energy production and utilization, and their effect on our environment, are the pressing issues of our age. Satisfaction of growing energy demand, in the face of declining conventional (petroleum and coal, for example) resources represents a challenge for the coming generations. This minor in Energy will prepare engineers-of-tomorrow to meet this challenge. The University of Alabama possesses significant strength in these areas, and there is a significant demand for students.

This program is technical in nature and is designed to provide engineers, technicians, and policymakers with the depth of knowledge required to analyze a variety of challenging energy problems. This minor is open to all students interested in energy production and utilization but is most accessible to students in the College of Engineering. Students from other engineering disciplines, or from other colleges, can complete the minor, but may require additional coursework.

The minor in Energy required a minimum of 18 hours of coursework.

Code and Title	Hours
<b>Required Coursework:</b>	<b>9-10</b>
ECE 225 or Electric Circuits	
ECE 320 Fundmtl Electrical Engr	
ME 215 Thermodynamics I	
ME 309 Heat Transfer	
<b>Approved Electives:</b>	<b>9</b>
Additional courses may be added to the list of approved electives as appropriate with advisor and faculty approvals.	
ECE 350 Electric Power & Machines	
ME 406 Thermal Power Systems	
ME 407 Heatg Ventilat Air-Condg	
ME 411 Cmp Heat Transfer & Fluid Flow	
ME 414 Principles of Combustion I	
ME 416 Energy Conservtn & Manag	
ME 417 Sustainable Energy	
ME 426 Internal Combustion Engines	
ECE 453 Power Systems	
& ECE 454 and Power Systems Laboratory	
ECE 455 Electromechanical Systems	
<b>Total Hours</b>	<b>18-19</b>

## Manufacturing Systems Engineering, BS

This B.S. program will provide graduates the skills and knowledge for successful careers in manufacturing systems and processes with practical applications ranging from manufacturing processes to cyber-physical systems.

Manufacturing jobs have become a major staple in the state economy, and our department, joining forces by the College of Engineering and The University of Alabama, is doing what it can to supply a pipeline of workers. A manufacturing facility has been built as part of an initiative oriented to develop a premier hub for multidisciplinary research and education in intelligent and advanced manufacturing systems and processes.

#### Freshman

Fall	Hours	Spring	Hours
CH 101 or 117		4 PH 105 or 125	4
or CH 100		MATH 126 or 146	4
MATH 125 or 145		4 ENGR 103	3
ME 121 or MFE 190		1 ENGR 161	1
History (HI) or social behavioral science (SB) elective		3 EN 102	3
EN 101 or 103		3	
	<b>15</b>		<b>15</b>

#### Sophomore

Fall	Hours	Spring	Hours
PH 106 or 126		4 MTE 271	3
MATH 227 or 247		4 MATH 238	3
AEM 201		3 AEM 250	3
ME 215		3 AEM 251	1

MFE 200-level Electives <sup>1</sup>	3 Humanities (HU), literature (L), or fine arts (FA) elective	3
	MFE 290	3

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<b>17</b>	<b>16</b>
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<b>Junior</b>		
<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
ME 383	3 MFE 385	4
ECE 320	3 AEM 264 or 311	3
History (H) or social behavioral sciences (SB) elective	3 MFE 342	3
GES 400	3 MFE 332	3
MFE 200/300-level Elective <sup>2</sup>	3 Humanities (H), literature (L), fine arts (FA) elective	3

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<b>15</b>	<b>16</b>
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<b>Senior</b>		
<b>Fall</b>	<b>Hours Spring</b>	<b>Hours</b>
MFE 390 or ME 489	3 MFE 490 or ME 490	3
MFE 483	3 Approved Science Elective <sup>4</sup>	4
MFE 442	3 MFE 473	3
MFE 485	3 Humanities (H), literature (L), fine arts (FA) elective	3
MFE 300/400-level elective <sup>3</sup>	3 History (H) or social behavioral sciences (SB) elective	3

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<b>15</b>	<b>16</b>
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**Total Hours: 125**

<b>Footnote 1 - MFE 200-level Electives</b>		<b>Hours</b>
MFE 201	Basics of Robotics	1
MFE 202	Basics of PLC	1
MFE 203	Basics of Auto & Matl Handling	1
CS 200	Software Design & Engineering	4
CS 201	Data Structures and Algorithms	0 or 4
CS 202	Web Foundations	0 or 3
CS 285	Spreadsheet Applications	0 or 3
MTE 275	Engineering Materials Lab	0 or 3
ST 260	Statistical Data Analysis	3

Other electives may be substituted for any of the above courses but require permission and approval of the program advisor and coordinator.

<b>Footnote 2 - MFE 200/300-level Electives</b>		<b>Hours</b>
MFE 222	Robotic Welding	1
MFE 224	Industrial Auto with Robotics	1
MFE 226	Instrumentation for Automation	1
MFE 232	Flex Manufacturing Sys	1
MFE 262	Intro Industrial Internt Thngs	1
CS 302	Database Applications	0 or 3
CS 385	Advanced Spreadsheet Appl	3
ME 360	Contrl Instrumnt Components	0 or 3
ME 380	Engineering Leadership I	1
MTE 380	Synthesis, Proc & Mfg Matls.	3

Other electives may be substituted for any of the above courses but require permission and approval of the program advisor and coordinator.

<b>Footnote 3 - MFE 300/400-level Electives</b>		<b>Hours</b>
MFE 302	Advanced PLC	1
MFE 303	Adv Auto & Matl Handling	1
MFE 326	Process Monitoring and Control	1
MFE 338	Introduction to Industry 4.0	1
CE 414	Information Systems Design	3
CE 417	Advanced Project Management	3
CE 418	Engineering Management	3
CS 305	Adv. Comp. Database Systems	3
ECE 438	Intgr Circuit Fabr Prin	3
ME 421	Reliability & Maint. Engr.	3
ME 424	Automotive Manufacturing	3
ME 430	Fuzzy Set Theory & Application	3
ME 440	Failure of Engr Materials	3
ME 456	Mechatronics	3
ME 484	Product Innovation	3
MTE 455	Mech Behavior Of Mtls	4

Other electives may be substituted for any of the above courses but require permission and approval of the program advisor and coordinator.

**Footnote 4 - Approved Science Electives** **Hours**

Select from the following:

AY 101 & AY 102	Intro To Astronomy and Intro Astronomy Lab	
AY 203 & AY 204	Observational Astronomy and Solar System Astronomy	
BSC 108	Intro Biology Non Maj I	
BSC 109	Intro Biology Non Maj II	
BSC 114 & BSC 115	Principles Of Biology I and Laboratory Biology I	
BSC 118	Honors General Biology I	
CH 102	General Chemistry	
CH 118	Honors General Chemistry	
GEO 101	The Dynamic Earth	
GEO 102	The Earth Through Time	
GEO 105	Sustainable Earth	
GY 101	Atmospheric Proc & Patterns	
GY 102	Earth Surface Processes	
GY 207	Field Water and Climate	
PH 253 & PH 255	Intro Modern Physics and Modern Physics Lab	

Learn more about opportunities in this field at the Career Center

Manufacturing jobs have become a major staple in the state economy, and our department, joining forces by the College of Engineering and The University of Alabama, is doing what it can to supply a pipeline of workers. A manufacturing facility has been built as part of an initiative oriented to develop a premier hub for multidisciplinary research and education in intelligent and advanced manufacturing systems and processes.

## Faculty

### Professors

Jalili, Nader, Department Head

Agrawal, Ajay K.

Balasubramanian, Bharat

Krishnan, Sundar Rajan

Shen, Xiangrong

Shepard Jr., W. Steve

Srinivasan, Kalyan Jumar

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Vikas, Vishesh

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Koutahzadeh, Negin

Scott, Radley

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Daniewicz, Steve

### Adjunct assistant professor

Rasoulzadeh, Mojdeh

### Professor emeritus

Woodbury, Keith A.

## Manufacturing, Minor

The Manufacturing minor is intended to provide our current undergraduates the skills and knowledge for successful careers in manufacturing systems and processes, and their practical applications ranging from manufacturing processes to other industries such as robotics, automotive and aerospace. Students will be exposed to applications of cyber-physical systems, robotics, and automated manufacturing as well as automotive and aerospace industries. Some of the skills required to pursue employment opportunities, which may be imparted through the manufacturing minor, include, but are not limited to, industrial safety practices and procedures; control of manufacturing processes; flexible manufacturing systems; process planning and optimization; robotic and automated manufacturing; and computer-integrated manufacturing/CAD/CAM integration.

The Manufacturing Minor requires 18 total credit hours, to include 12 required hours of coursework (listed below) and 6 hours of elective coursework.

Code and Title		Hours
<b>Required</b>		<b>12</b>
GES 255 or GES 400	Engineering Statistics I Engineering Statistics	3
MTE 271	Engr Matls: Struc Prop	3
ME 383	Modern Manufacturg Processes	3
ME 490	Mechanical Engr Design II (or equivalent Capstone Design Experience)	3
<b>Approved Electives</b>		<b>6</b>
Electives are offered on a regular schedule, but not necessarily every year. Students may choose from the list below or from a list of additional manufacturing minor electives available from the department. Some elective options include sequential courses (i.e. courses vary from 1 credit hour to 3 credit hours).		
AEM 452	Composite Materials	3
AEM 455	Nondestructive Evaluation	3
CHE 493	Process Dynamics & Control	3
EC 110	Principles of Microeconomics	3
EC 112	Honors Prin of Microeconomics	3
ME 421	Reliability & Maint. Engr.	3
ME 577	Advanced Linear Control	3
MTE 439	Metallurgy Of Welding	3
ME 424	Automotive Manufacturing	3
ME 430	Fuzzy Set Theory & Application	3
ME 440	Failure of Engr Materials	3
MFE 442	Adv Mat Sci and Add Processes	3
MFE 473	Dis Sim of Manufacturing Sys	3
MFE 483	Computer Aided Manufacturing	3
MFE 485	Mod Manufacturing Practices II	3
MFE 302	Advanced PLC	1
MFE 303	Adv Auto & Matl Handling	1
MFE 326	Process Monitoring and Control	1
MFE 332	Quality Control In Manufac Sys	3
MFE 338	Introduction to Industry 4.0	1
MFE 342	Fund of Materials Processing	3
MFE 385	Metrology	4
MFE 201	Basics of Robotics	1

MFE 202	Basics of PLC	1
MFE 203	Basics of Auto & Matl Handling	1
MFE 222	Robotic Welding	1
MFE 224	Industrial Auto with Robotics	1
MFE 226	Instrumentation for Automation	1
MFE 232	Flex Manufacturing Sys	1
MFE 262	Intro Industrial Intern Thngs	1
MTE 449	Powder Metallurgy	3
MTE 491	Special Problems	1-3

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## Mechanical Engineering, BS

Mechanical engineering program is a versatile engineering program, and is designed for students who are interested in applying their solid backgrounds and knowledge of mathematics, science, and general engineering to design and conduct experiments; analyze and interpret data; and design systems, components, and processes to meet desired needs for a long-lasting societal impact.

Mechanical engineers pursue careers in the automotive, aerospace, chemical, computer, communication, defense, energy, railroad and robotics industries, just to name a few. Mechanical engineers are also found in almost all manufacturing industries. Increasingly, mechanical engineers are needed in the environmental and bio-medical fields, and many of our graduates have pursued education in medicine and law. Without a doubt, virtually every product or service in modern life has probably been touched in some way by a mechanical engineer!

## Program Objectives

The University of Alabama Department of Mechanical Engineering has adopted the following objectives to ensure our graduates are equipped to meet known and anticipated technical challenges of our profession. Out of a commitment to continuously improve the undergraduate curriculum for the mechanical engineering program, the Department of Mechanical Engineering's faculty has adopted several educational objectives. The following objectives define the early-career accomplishments that the mechanical engineering program is designed to prepare graduates to pursue:

- Our graduates will be expected to follow one of two career paths: technical or management. We expect them to have sufficient career and professional accomplishments within 5-10 years of graduation to be considered as either an engineering expert or a leader/manager.
- Our graduates will continue to grow in expertise and knowledge by participating in activities that enhance professional development in their career path.
- Our graduates will contribute to the profession in ways that benefit society.

## Student Outcomes

The mechanical engineering program at The University of Alabama will demonstrate that its graduates have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences

- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

**Freshman**

Fall	Hours	Spring	Hours
CH 101 or 117	4	MATH 126 or 145	4
OR CH 100		PH 105 or 125	4
MATH 125 or 145	4	ENGR 161 or 171	1
Humanities (HU), literature (L), or fine arts (FA) elective or history (HI) and/or social behavioral sciences (SB) elective	3	ENGR 103 or 123	3
ME 121 or ENGR 111	1	EN 102 or 103	3
EN 101 or 103	3		
	<b>15</b>		<b>15</b>

**Sophomore**

Fall	Hours	Spring	Hours
AEM 201	3	AEM 264	3
MATH 227 or 247	4	AEM 311	3
ME 215	3	MATH 238	3
PH 106 or 126	4	ME 305	3
Approved science elective <sup>2</sup>	4	MTE 271	3
	<b>18</b>		<b>15</b>

**Junior**

Fall	Hours	Spring	Hours
AEM 250	3	ME 350	3
AEM 251	1	ME 351	1
ECE 320	3	ME 360	3
ME 309	3	ME 372	3
ME 349	3	ME 383	3
Humanities (HU), literature (L), or fine arts (FA) elective or history (HI) and/or social behavioral sciences (SB) elective	3	Approved mechanical engineering elective <sup>3</sup>	3
	<b>16</b>		<b>16</b>

**Senior**

Fall	Hours	Spring	Hours
ME 450	3	ME 490	3
ME 460	4	Approved mechanical engineering or technical elective <sup>3,4</sup>	3
ME 489	3	Approved mechanical engineering elective <sup>3</sup>	3

Humanities (HU), literature (L), or fine arts (FA) elective or history (HI) and/or social behavioral sciences (SB) elective	6	Humanities (HU), literature (L), or fine arts (FA) elective or history (HI) and/or social and behavioral sciences (SB) elective	6
	<b>16</b>		<b>15</b>

**Total Hours: 126****Footnotes**

- All engineering students are required to take 9 hours of humanities and 9 hours of social and behavioral sciences. At least 6 hours must be from a single program.
- Approved science electives are taken from an approved list available from the department.
- Mechanical engineering electives are offered on a regular schedule, but not necessarily every year. The student may select any two mechanical engineering electives to complete the requirements for the BS degree. A list of mechanical engineering electives is available from the department.
- The technical elective requirement may be fulfilled with a mechanical engineering elective course or an engineering, math, or science course from the approved list or with advanced petition to the mechanical engineering department. The approved list is available from the department.

**Interim Term Courses**

Humanities and social science courses taken during the Interim term may be counted toward the requirements for a BS degree in mechanical engineering. However, interim courses can be used to fulfill mechanical engineering or technical elective requirements only if the specific courses have been approved in advance of registration by the department of mechanical engineering.

Our graduates accept positions in aerospace, automotive, energy, railroad, manufacturing, food/forest products, appliances, robotics, electric power, electronics, automation, heating/air-conditioning, construction, mining, defense/ military, business, law and medicine.

**Types of Jobs Accepted**

Entry level engineering jobs in project engineering, production supervision, product design, process design, maintenance, plant layout, technical marketing/ sales, contract supervision, engineering consulting, graduate education in engineering, business, law, medicine and dentistry.

**Jobs of Experienced Alumni**

Positions in project leadership, plant management, R&D management, contractors, technical sales/marketing executives, entrepreneurs, consulting firm executives/ owners, corporate executives/ managers/ owners, business management, physicians, attorneys, dentists, military officers, college faculty, and federal/ industrial researchers.

Learn more about opportunities in this field at the Career Center

**Faculty****Professors**

Jalili, Nader, Department Head  
Agrawal, Ajay K.  
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Krishnan, Sundar Rajan

Shen, Xiangrong  
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 Srinivasan, Kalyan Kumar

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 Scott, Radley

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Daniewicz, Steve

#### Adjunct assistant professor

Rasoulzadeh, Mojdeh

#### Professor emeritus

Woodbury, Keith A.

## Mechanical Engineering, Minor Minors for College of Engineering Students

A student majoring in an engineering program may earn a minor in engineering or in another division of the University. Examples are chemistry, mathematics, and physics, which are offered by the College

of Arts and Sciences, and the general business minor offered by the Culverhouse College of Business. Required courses and electives needed for an engineering or computer science degree may also count toward the minor. For additional information about minors and the courses required in them, see the appropriate sections of the undergraduate catalog.

## Academic Policies for Minors

Academic criteria for a minor are determined by the division and program offering the minor. This includes prerequisite rules, minimum GPA and any academic standards. When a minor is optional, a student can withdraw from the minor at any time. Any minor attempted by a College of Engineering student must be completed at the time a Bachelor of Science degree is awarded. A student's graduation will not be delayed to complete an optional minor unless the student notifies the Engineering registrar prior to the degree certification deadline. Each College of Engineering department program should maintain a list of minor courses in their programs, together with effective dates, even if all courses in a program can be used in the minor.

## Minor in Engineering for Other Students

Two types of minors in the College of Engineering are available to students enrolled in other divisions of the University. The minors require a minimum of 18 hours in engineering courses. The Type 1 minor is a specialized program in any of the College's engineering disciplines. Course requirements and advising are available from the appropriate department head, who will appoint an advisor for a student desiring this type of minor. The Type 2 minor is a general minor in engineering. The associate dean of engineering appoints an advisor for a student pursuing a Type 2 minor, which requires a minimum of 18 hours in courses chosen from a list available from the associate dean for academic programs.

Mechanical Engineering Minor		Hours
<b>Required Courses:</b>		
AEM 250	Mechanics Of Materials I	3
AEM 251	Mechanics Of Materials I Lab	1
ME 215	Thermodynamics I	3
ME 309	Heat Transfer	3
ME 350	Static Machine Components	3
<b>Six credits from the following:</b>		<b>6</b>
AEM 264	Dynamics	
AEM 311	Fluid Mechanics	
MTE 271	Engr Matls: Struc Prop	
ME elective (not listed above)		
<b>Total Hours</b>		<b>19</b>

## Faculty

### Professors

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Woodbury, Keith A.

## Robotics, Minor

The Department of Mechanical Engineering has a strong Dynamics, Systems and Controls (DSC) group that is research active with wide expertise in Robotics including rehabilitation robotics, soft robotics, medical robotics, industrial robotics and automated manufacturing, biomedical robotics and field robotics. This Robotics minor will educate students in the DSC domain of Robotics and will be accessible to non-ME students, e.g., Electrical Engineering, Computer Science, Chemical Engineering, Aerospace Engineering, Mathematics and Physics to just name a few. Students going through this minor will be prepared to enter a diverse and globally competitive workforce with interdisciplinary knowledge that can meet next-generation challenges relating to robotics and mechatronics.

Robots today are making a considerable impact on many aspects of modern life, from industrial manufacturing to healthcare, transportation, and exploration of the deep space and sea. Robotics is an interdisciplinary field that goes beyond engineering into fields like physics, mathematics, biology, chemistry and psychology. Tomorrow, robots will be as pervasive and personal as today's personal computers. While Mechanical Engineering has a critical contribution to the interdisciplinary field of robotics, the future Mechanical Engineer needs to be well-versed in the interdisciplinary concepts of robotics.

The contribution of Mechanical Engineering to this field can be viewed as a duality of (a) wide exposure to multiple domains at the freshman and sophomore level, and (b) focus on interdisciplinary engineering education in DSC at both junior and senior levels. In recent times, the perception of the industry, students and parents has dramatically changed as the field of robotics is starting to play a critical role in our daily lives. Surveys have shown that given the interdisciplinary nature of the field, a minor in Robotics will strengthen students' education and their job prospects post-graduation. This minor is open to all students interested in robotics and mechatronics engineering. However, some of the required courses in the minor do have a number of prerequisites.

### Minor in Robotics (18 hours minimum)

The Minor comprises of 18 credit hours split into two categories of courses: Foundational Courses and Advanced Courses. Student must take a minimum of 9 credit hours from each category.

Requirements for a Minor in Robotics (18 hours minimum):		Hours
<b>Foundational Courses:</b>		<b>9</b>
Select from the courses listed below:		
ME 349	Engineering Analysis	
ME 360	Contrl Instrumnt Components	
ME 372	Dynamic Systems	
ME 450	Dynamic Machine Components	
AEM 360	Astronautics	
AEM 368	Flight Mechanics	
ECE 333	Electronics II	
ECE 370	Signals And Systems	
ECE 380	Digital Logic	
ECE 383	Microcomputers	
CS 301	Database Management Systems	
CS 302	Database Applications	
MATH 343	Appl Diff Equations II	
MATH 355	Theory Of Probability	
MATH 371	Advanced Linear Algebra	
PH 301	Mechanics I	
PH 302	Intermediate Mechanics	
PH 331	Elect & Magnetism I	
PH 332	Elect & Magnetism II	
<b>Advanced Courses:</b>		<b>9</b>
Select from the courses listed below:		
ME 448	Biomechanics of Human Movement	
ME 456	Mechatronics	
ME 470	Mechanical Vibrations	
ME 472	Intro to Robotic Kinematics	
ME 475	Control Systems Analysis	



ECE 475	Control Systems Analysis
ECE 479	Digital Control Systems
ECE 486	Embedded Systems
ECE 487	Embedded Systems Laboratory
CS 460	Intro to Autonomous Robotics
CS 465	Artificial Intelligence

Additional courses may be added to the list of approved courses as appropriate with faculty approval, e.g., new electives relating to the manufacturing program.

**Total Hours** **18**

## Department of Metallurgical and Materials Engineering

The breadth of training afforded to engineers specializing in metallurgical and materials engineering permits entry into many exciting technical fields. All fields of engineering involve metallic, ceramic, polymeric, or composite materials. Virtually every component of any engineered structure is limited by the properties of the materials chosen for its fabrication. The selection, methods of production, heat treatment, and finishing of the materials involved in all aspects of systems of transportation, power generation, communication, food preparation, entertainment, and housing depend on individuals trained in materials. Exciting challenges exist in the development and application of 21st-century materials, which range from the new generation of superconductors and ultra-lightweight composites to new magnetic recording media and sophisticated high-temperature alloys.

It is the objective of the Department of Metallurgical and Materials Engineering undergraduate program to provide an educational experience that develops the fundamental scientific and technical engineering principles to prepare students for the 21st century. Students receive an integrated learning experience, which includes classroom and laboratory courses that enhance their analytical, experimental, synthesis, and design skills for problem solving, that address their responsibilities to society and the environment, and that emphasize the growth of their teamwork, communicative, and leadership talents. Student learning is stimulated by modern facilities that include sophisticated equipment and advanced computer technology in which individual attention is the rule rather than the exception.

Graduates of The University of Alabama's metallurgical engineering curriculum have distinguished themselves in many careers, holding a wide range of managerial, scientific, and engineering posts across the country in industry, government, and education. The four-year program leading to the BS degree in metallurgical engineering involves a 125-credit-hour course sequence. Advanced study may then be pursued, if desired, to earn the MS or PhD degree.

- Major
  - Metallurgical Engineering, BS (p. 690)
- Minor
  - Metallurgical Engineering (p. 690)

### Associate Dean for Undergraduate and Graduate Programs

- Viola L. Acoff

### Department Head

- Steven Daniewicz

### Departmental Graduate Program Coordinator

- Lin Li

### Departmental Undergraduate Program Director

- Mark L. Weaver

### Professors

- Viola L. Acoff
- Luke N. Brewer
- Subhadra Gupta
- Ramana Reddy
- Gregory B. Thompson
- Mark L. Weaver

### ACIPCO Professor

- Ramana G. Reddy

### Associate Professor

- Lin Li
- Charles Monroe
- Laurentiu Nastac
- Ruigang Wang

### Assistant Professor

- Gregory Kubacki
- Nilesh Kumar
- Feng Yan

### Professor Emeriti

- Doru Stefanescu
- Takao Suzuki
- Garry W. Warren

### MTE121 Introduction to Materials

Hours 1

An introduction to the materials science and engineering profession and history. The course includes selected topics useful in the study of metallurgical and materials engineering.

### MTE252 Metallurgical Process Calculations

Hours 3

Mathematical quantitative relations of chemical reactions and physicochemical processes; principles of overall mass and energy balances and the application of these principles to metallurgical systems.

Prerequisite(s): CH 102, ENGR 103 or ENGR 123, and MATH 125

[View All Courses](#)

## Faculty

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Takao Suzuki

Garry W. Warren

## Metallurgical & Materials Engineering, Minor

Minor in Metallurgical &amp; Materials Engineering

**Minors for College of Engineering Students**

A student majoring in an engineering program may earn a minor in engineering or in another division of the University. Examples are chemistry, mathematics, and physics, which are offered by the College of Arts and Sciences, and the general business minor offered by the Culverhouse College of Business. Required courses and electives needed for an engineering or computer science degree may also count toward the minor. For additional information about minors and the courses required in them, see the appropriate sections of the undergraduate catalog.

**Academic Policies for Minors**

Academic criteria for a minor are determined by the division and program offering the minor. This includes prerequisite rules, minimum GPA and any academic standards. When a minor is optional, a student can withdraw from the minor at any time. Any minor attempted by a College of Engineering student must be completed at the time a Bachelor of Science degree is awarded. A student's graduation will not be delayed to complete an optional minor unless the student notifies the Engineering registrar prior to the degree certification deadline. Each College of Engineering department program should maintain a list of minor courses in their programs, together with effective dates, even if all courses in a program can be used in the minor.

**Minor in Engineering for Other Students**

Two types of minors in the College of Engineering are available to students enrolled in other divisions of the University. The minors require a minimum of 18 hours in engineering courses. The Type 1 minor is a specialized program in any of the College's engineering disciplines. Course requirements and advising are available from the appropriate department head, who will appoint an advisor for a student desiring this

type of minor. The Type 2 minor is a general minor in engineering. The associate dean of engineering appoints an advisor for a student pursuing a Type 2 minor, which requires a minimum of 18 hours in courses chosen from a list available from the associate dean for academic programs.

An engineering student who is not an MTE major can earn a B.S. minor in Metallurgical & Materials Engineering by completing the following requirements. The student must complete the two (2) MTE minor core courses and **at least four (4)** of the MTE minor elective core classes. A student can petition to substitute only one (1) of the MTE minor elective core classes with an equivalent course from another department (listed below) thereby reducing the total number of additional MTE minor core electives to **three (3)**. A letter grade of a "C" or higher in each course is required for the course to count towards the MTE minor. A student should apply for the MTE minor prior to achieving senior standing in order to have sufficient time to complete all requirements.

The student must complete **19 to 21 hours** of MTE approved courses or their equivalents. Interested students may find that several of these MTE courses meet his/her department's required or technical electives options.

Metallurgical & Materials Engineering Minor		Hours
<b>Required Courses:</b>		
MTE 271	Engr Matls: Struc Prop	3
MTE 373	Physical Metallurgy	4
<b>Elective Core (select at least 4):</b>		
MTE 353 or CHE 324	Transport Transport Phenomena	3
MTE 362 or CHE 255	Thermodynamics Of Materials CHE Thermodynamics	4
MTE 380 or ME 383	Synthesis, Proc & Mfg Matls. Modern Manufacturing Processes	3
MTE 439	Metallurgy Of Welding	3
MTE 445	Materials Engineering Design II (W)	3
MTE 481	Analy Methods For Matls	4
MTE 487	Corrosion	3

## Metallurgical Engineering, BS

It is the objective of the Department of Metallurgical and Materials Engineering undergraduate program to provide an educational experience that develops the fundamental scientific and technical engineering principles to prepare the student for the 21st century. Students receive an integrated learning experience, which includes classroom and laboratory courses that enhance their analytical, experimental, synthesis, and design skills for problem solving, that address their responsibilities to society and the environment. These experiences emphasize the growth of their teamwork, communicative, and leadership skills.

### Program Objectives

The University of Alabama Department of Metallurgical and Materials Engineering has adopted the following objectives to ensure that our graduates are equipped to meet known and anticipated technical challenges in our profession. Graduates of the metallurgical and materials engineering program are expected within a few years of graduation to:

1. Be successful in applying fundamental principles of metallurgical engineering to solve contemporary engineering problems.

2. Communicate effectively in a wide variety of situations.
3. Succeed in the global engineering professional community.

## Student Educational Outcomes

The Department of Metallurgical and Materials Engineering at The University of Alabama will demonstrate that its graduates have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration for public health, safety, and welfare, as well as global, cultural, social, environmental, economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgements, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## Metallurgical Engineering Curriculum

The College of Engineering enforces a C- or higher requirement for any course that is a pre-requisite for another required course. Click here (p. 648) for the details regarding the College of Engineering policy on repeating courses and residency.

### Freshman

Fall	Hours	Spring	Hours
CH 101	0 or 4	CH 102	0 or 4
EN 101		3 EC 110	3
MATH 125	0 or 4	EN 102	3
MTE 121 or ENGR 111		1 MATH 126	4
ENGR 103 or 123		3	
ENGR 161 (must be taken during the fall or spring of freshman year)		1	
		<b>8-16</b>	<b>10-14</b>

### Sophomore

Fall	Hours	Spring	Hours
MATH 227		4 AEM 201	3
MTE 252		3 MATH 238	3
MTE 271		3 MTE 275	3
PH 105		4 MTE 362	4
Humanities Elective (HU/L/FA)		3 PH 106	4
		<b>17</b>	<b>17</b>

### Junior

Fall	Hours	Spring	Hours
ECE 320		3 MTE 353	3

MTE 373	4	MTE 316	4
MTE 380		3 MTE 455	4
Humanities elective (HU/L/FA)		3 Social and behavioral sciences elective (HI/SB)	3
AEM 250		3 Advanced science elective	3
		<b>16</b>	<b>17</b>

### Senior

Fall	Hours	Spring	Hours
MTE 441		4 MTE 445	3
MTE 443		3 MTE elective	3
MTE 481		4 Advanced Mathematics or Statistics elective	3
MTE elective		3 Humanities elective (HU/L/FA)	3
		History or Social Behavioral Sciences elective (HI/SB)	3
		<b>14</b>	<b>15</b>

**Total Hours: 114-126**

### Footnotes

- <sup>1</sup> A list of acceptable science and math electives is available in the metallurgical and materials engineering department's office.
- <sup>2</sup> MTE students may take any MTE 400-level course or higher with the permission of the instructor.

Our graduates are employed in almost every engineering-related industry. Our recent graduates are employed in the aerospace, semiconductor chip, oil and petroleum, automotive, power, and metal casting industries. Our graduates are also employed in government labs.

## Types of Jobs Accepted

Our graduates have distinguished themselves in many careers, holding a wide range of managerial, scientific, and engineering positions in industry, government, and education. Our recent graduates have accepted positions at the following: NASA, Intel, Lockheed Martin, Exxon Mobil, Honda Manufacturing, US Steel, Nucor Steel, TVA, Motorola, ThyssenKrupp, Oak Ridge National Lab, and National Institute of Standards and Technology.

## Jobs of Experienced Alumni

Our alumni are leaders in the field of metallurgical and materials engineering. The positions they hold at metallurgical/materials engineering companies include president and owner, president and CEO, president and general manager, vice president, COO, senior engineer, technology director, systems engineer manager, senior process engineer, and site manager.

Learn more about opportunities in this field at the Career Center

## Engineering Positive and Intentional Change, Minor

The mission of the Engineering Positive and Intentional Change (EPIC) Scholars Program centers on developing a diverse network of engineering and computer science leaders who advocate for diversity, equity, inclusion, and justice in the engineering and computer science professions and dedicate themselves to leading efforts to find sustainable solutions to broad, complex, contemporary societal issues facing the state of Alabama, the nation, and the world. The EPIC Scholars

Program is a recognized partner program of the Honors College and adopts an inquiry-driven approach to broad, complex, contemporary social issues, including diversity, equity, inclusion, and justice that complements the technical education of engineering and computer science students. Only EPIC Scholars who successfully complete the EPIC Scholars Program in good standing as an Honors student will be recognized with the Minor in Engineering Positive and Intentional Change.

## Admission and Retention

Admission to the EPIC Scholars Program is by application only (see <https://eng.ua.edu/epic/>). As this is a small, cohort-based program for engineering and computer science students, acceptance into the EPIC Scholars Program is limited and competitive. The EPIC Scholars Program seeks students passionate about social change, and while the selection committee will consider grades and test scores, responses to the application questions are weighted far more heavily in the selection process.

To remain in good standing in the EPIC Scholars Program, students must maintain a 3.5 UA GPA and complete EPIC coursework at an appropriate rate. Students who fail to meet the UA GPA or any additional requirements will be placed on a one-year probation. If at the end of a probationary year the student has not met the requirements, they will be suspended from EPIC Scholars Program.

## EPIC Minor Requirements

Code and Title	Hours
EPIC 101 EPIC Freshman Seminar I	1
EPIC 102 EPIC Freshman Seminar II	1
EPIC 201 EPIC Sophomore Seminar I	1
EPIC 202 EPIC Sophomore Seminar II	1
UH 205 Found. of Community Engagement	3
EPIC 301 EPIC Junior Seminar I	1
EPIC 302 EPIC Junior Seminar II	1
EPIC 401 EPIC Honors Senior Thesis I	1.5
EPIC 402 EPIC Honors Senior Thesis II	1.5
9 credit hours of approved electives. No more than 6 credit hours of electives at the 200-level.	9

**Total Hours** **21**

Approved Electives	Hours
AMS 232 Honors Contemporary America	3
AMS 350 Honors Women in the South	3
NEW 238 Honors: Coop. & Conflict	4
PHL 221 Honors Introduction to Ethics	3
SW 355 Hon Oppression & Soc Injustice	3
UA 251 Honors Capstone Catalyst Chng	1 to 3
UH 211 Power	3
UH 215 Moral Forum	3
UH 246 Recreating Africa	3
UH 260 Build Your Position	3
UH 282 Imagining Revolution	3
UH 346 Existentialism, Race, & Gender	3
UH 348 Green Political Thought	3
UH 349 The Neighbor	3
UH 351 Radical Stitches	3
UH 353 Narratives of American Life	3

UH 354	Modern Africa	3
UH 355	Afro-Asian Studies	3
UH 381	Gossip and Rumor	3

## College of Human Environmental Sciences

Department of Clothing, Textiles and Interior Design (p. 695)

Department of Consumer Sciences (p. 698)

Department of Health Science (p. 702)

Department of Human Development and Family Studies (p. 704)

Department of Human Nutrition and Hospitality Management (p. 709)

Human Environmental Sciences, BS (p. 715)

## Degrees and Programs Offered

Human Environmental Sciences programs are offered at the bachelor's, master's and, in some cases, doctoral levels. Upon the successful completion of the requirements established for each curriculum, the appropriate degree may be conferred.

### Second Bachelor's Degree

To earn a second bachelor's degree in the College, a student must complete a minimum of 30 hours beyond the hours required for the first degree. The 30 additional hours must be completed through the College of Human Environmental Sciences with a grade average of "C" (2.0 GPA) or better. The work must be completed in accordance with all other University and College regulations (see Multiple Degrees and Multiple Majors (p. 367) section in Academic Records and Policies).

## General Degree Requirements

The minimum requirements for a degree in the College of Human Environmental Sciences at The University of Alabama are:

- A minimum of 120 earned semester credit hours, including all University Core Curriculum requirements and the human environmental sciences core courses (HES 100 Freshman Compass Human Env Sci for new freshmen on campus or HES 103 Distance Compass HES for new online freshmen. HES 310 is still required for degrees in Consumer Sciences, Human Development & Family Studies and Human Environmental Sciences).
- A 2.0 or higher GPA for all college-level courses attempted, all courses attempted at The University of Alabama and all courses attempted in the major field of study.
- A minimum of 30 credit hours earned in residency at The University of Alabama in disciplines offered by the College of Human Environmental Sciences.

It is the student's responsibility to make sure that all degree requirements have been met. Students should review the academic requirements in the catalog and on DegreeWorks and arrange to meet with their academic advisors in the College of Human Environmental Sciences two semesters prior to graduation to verify that all requirements will have been fulfilled by the expected date of graduation. In order to graduate, a student must submit an application for degree using the online application for degree on myBama no later than the time he or she registers for the final semester at UA.

The College of Human Environmental Sciences follows the admission and retention standards set by the University. The standards for admission to specific professional programs and the conditions for retention in those

programs are indicated in the departmental information that follows. The College of Human Environmental Sciences reserves the right to change policies, procedures, degree requirements, schedules, courses offered, and other standards in light of circumstances that may arise.

Once the student chooses a major in the College of Human Environmental Sciences, he or she is assigned a departmental academic advisor/mentor who will counsel him or her about degree requirements, appropriate course sequencing, and other academic matters. It is the student's responsibility to consult with the academic advisor and then plan and complete an appropriate course of study. Students need to pay careful attention to requirements of the University Core Curriculum, specifically noting any prerequisites that must be met before enrollment in courses that carry core curriculum designations. The core curriculum at myBama.ua.edu should be consulted each semester to determine whether a core curriculum designation remains in effect at the time the student is enrolling in the course. Early in the program, the student should plan an appropriate sequence to satisfy the core curriculum requirements. Students should check with the office of student services of the College of Human Environmental Sciences to verify the successful completion of core curriculum requirements.

## History and Objectives

Designated as Human Environmental Sciences in 1987, the College evolved from the tradition and heritage of home economics. Courses were offered as early as the summer session of 1911, with a department of home economics in the College of Arts and Sciences established by 1917. The division became the School of Home Economics in 1931; Agnes Ellen Harris, AM, LLD, was appointed the first dean. Actively engaged in the transmission, generation, and dissemination of knowledge, the College has three main objectives:

1. provide students with the intellectual curiosity and professional competence needed for careers in business, industry, government agencies, health care, and education
2. provide for the general education and intellectual growth of students in other divisions
3. contribute to the body of knowledge that is the foundation for continued enrichment of the educational experience

## Class Hour Load

The College of Human Environmental Sciences enforces the same restrictions on class hour loads as the University. These restrictions are outlined in the Academic Records and General Academic Policies (p. 11) section of this catalog.

## Transfer Students

A student who transfers into the College of Human Environmental Sciences from another institution must complete EN 101 English Composition and EN 102 English Composition if he or she has not done so previously.

A transfer student must earn at least 30 hours of credit through The University of Alabama in the College of Human Environmental Sciences. Transfer students planning to enter certain majors in the college should be aware of the existence of a required sequence of courses.

## Declaration of a Minor

A student pursuing a degree in the College of Human Environmental Sciences may choose a minor course of study within the College or within another academic division. In this catalog, the courses required in

particular minors are listed along with the requirements for majors in that division and department.

Students may declare a minor online through myBama using the Change Major/Minor link under the Student tab. The student is responsible for reviewing minor requirements through the listing in the academic catalog and on the DegreeWorks audit. When the student applies for graduation, the registrar for the College of Human Environmental Sciences will verify the completion of all graduation requirements, including any designated minor(s). If the student satisfactorily completes all requirements for the minor, the minor is included on the student's transcript.

## Faculty

### Dean

Stuart Usdan

### Senior Associate Dean

Jeannine Lawrence

### Associate Dean for Academic Affairs

Deidre Leaver-Dunn

### Assistant Dean for Student Affairs

Melissa Wilmarth

### Director of Financial Affairs

April Robinson

### Director of Development

Amy Baker-Parton

### Director of the Office of Student Services

Jennifer Humber

### Registrar

Carmen Kelly

### Executive Secretary

Rosemary Klein

### Head of the Department of Clothing, Textiles and Interior Design

Shirley Foster

### Head of the Department of Consumer Sciences

Robert Nielsen

### Head of the Department of Health Science

Don Chaney

### Head of the Department of Human Development and Family Studies

Robert Laird

### Head of the Department of Human Nutrition and Hospitality Management

Kristi Crowe-White

### Manager of Computer Laboratories and Services

Stephen Johnson

### Director of Child Development Resources

April Kendrick

### Director of the Children's Program

Michelle Darabaris

### Director of the RISE Center

Andi Gillen

### Academic Advisors

Carpenter, Karen

Creel, Lauren

Garrett, Diana  
Hudson, Ginger  
Ivy, Chartis  
Lake, Melinda  
Sears, Martha  
Wilson, Andrea

**Professors**

Chaney, Don  
Chaney, Elizabeth  
Hernandez-Reif, Maria  
Knol, Linda  
Laird, Robert  
Lawrence, Jeannine  
Nielsen, Robert  
Severt, Kimberly  
Stellefson, Michael  
Turner, Lori  
Usdan, Stuart

**Associate Professors**

Berryhill, Blake  
Burns-Nader, Sherwood  
Choi, Shinae  
Crowe-White, Kristi  
Elder, Elizabeth  
Ellis, Amy  
Jung, Seung Eun  
Kim, Kyoung Tae  
Knowlden, Adam  
Koontz, Marcy  
Leaver-Dunn, Deidre  
Lewis, Melvin  
Molaison, Elaine  
Nickelson, Joyce  
Scofield, Jason  
Tan, Libo  
Thompson, Amanda  
Tong, Xiao (Michelle)  
Totenhagen, Casey  
Wilmarth, Melissa  
Witte, Tricia

**Assistant Professors**

Azarmanesh, Deniz  
Azrad, Maria

Banse, Holland  
Blakey, Carla  
Blitch, Kimberly  
Bopp, Trevor  
Boyle, Kimberly  
Burcher, Sarah  
Burton, Wanda  
Byun, Jinsu  
Casper, Deborah  
Douglas, Joy  
Downs, Karly  
Eke, Ransome  
Foster, Shirley  
Gajos, Jamie  
Goins, Justin  
Hylton, Tiffany  
Jaiswal, Jessica  
Jones, Hunter  
Jurgenson, Jesse  
Kim, Haemi  
Kong, Lingyan  
L'Esperance, Madelaine  
Love, Heather  
McGahey, Courtney  
McMath, Juanita  
Maki, Kristin  
Men, Fei  
Moran, Ryan  
Niu, Alvin  
Park, Han-A  
Pentecost, Eve  
Shin, Yeon Ho  
Stebbins, Richard  
Stran, Kim  
Thiel, Jaye  
Tompkins, Leah  
Wallace, Jessica  
Weymouth, Bridget  
Wilkerson, Amanda  
Wimberley, Virginia  
Zemke, Jeri

**Instructors**

Blumenthal, Jason

Bridgewater, Diane  
 Crawford, Ian  
 DeSalvo, Denise  
 Davis, Barbara  
 Faulkner, Cassandra  
 Greene, Lori  
 McMahon, Shannon  
 McNeal, Kareem  
 Milstead, Morgan  
 Reynolds, Lesley  
 Robinson, Paula  
 Rose, Michelle  
 Sanders, Erin  
 Self, Laurl  
 Taylor, Brian  
 Wingo, Kelly

**Emeritus**

Abdel-Ghany, Mohamed  
 Balentine, Margaret  
 Birch, David  
 Boschung, Milla  
 Brakefield, Jan  
 Cook, Martha  
 Curter-Smith, Mary Liz  
 Darden, Leatha  
 Edwards, Sally  
 Enders, Linda  
 Hancock, Shelley  
 Hodge, William  
 Hodges, Patricia  
 Hudson, Carmen  
 Jessee, Peggy  
 Kendrick, Olivia  
 Kissinger, Beverly  
 Ladewig, Becky  
 Luck, Cynthia  
 Lane, Ralph  
 McFadden, Anna  
 Maize, Roy  
 Parker, Sue  
 Peebles, Vicki  
 Price, Barrie Jo  
 Roper, Lydia

Stinnett, Nancy  
 Stinnett, Nick  
 Strickland, Martha  
 Switzer, Mildred  
 Tingle, Carroll

## Department of Clothing, Textiles and Interior Design

- Majors
  - Interior Design, BS (p. 697)
  - Apparel and Textiles, BS (p. 696)

### Chair

- Foster, Shirley P.

### Associate Professor

- Koontz, Marcy L.
- Thompson, Amanda
- Tong, Michelle

### Assistant Professor

- Foster, Shirley P.
- Maki, Kristin
- Wimberley, Virginia S.

### Instructors

- Crawford, Ian
- Davis, Babs
- Faulkner, Cassandra M.
- Jones, Hunter
- Robinson, Paula H.
- Rose, Michelle
- Sanders, Erin
- Self, Laurl
- Taylor, Brian

### Adjuncts

- Burney, Rebecca
- Parker, Sue
- Watts, Christine

### Academic Advisor

- Wilson, Andrea

### Office Staff

- Cockrell, Brynna

### CTD102 Applied Design

Hours 3

Basic concepts in organization and evaluation of design, and its contribution to the enrichment of living. Usually offered in summer school.

**CTD121 Intro to Interior Design**

Hours 3

Introduction to the interior design profession through a variety of assignments utilizing the design process, design theory, and interior graphic communication methods.

[View All Courses](#)

**Faculty****Chair**

Foster, Shirley P.

**Associate Professor**

Koontz, Marcy L.

Thompson, Amanda

Tong, Michelle

**Assistant Professor**

Foster, Shirley P.

Maki, Kristin

Wimberley, Virginia S.

**Instructors**

Crawford, Ian

Davis, Babs

Faulkner, Cassandra M.

Jones, Hunter

Robinson, Paula H.

Rose, Michelle

Sanders, Erin

Self, Lauri

Taylor, Brian

**Adjuncts**

Burney, Rebecca

Parker, Sue

Watts, Christine

**Academic Advisor**

Wilson, Andrea

**Office Staff**

Cockrell, Brynna

## Apparel and Textiles, BS

Basic principles and elements of design, including color theory, are introduced, reviewed, and applied throughout the four-year program. Two- and three-dimensional work, as well as color principles and their application, are studied and used in freshman studio projects. By the completion of the sophomore year, students have developed the ability to render garments and fabrics on croquis. Students refine and individualize their abilities for visual organization, color utilization, sketching/drawing, and design process in the upper-level design studio courses. Progressing from the modification of commercial patterns to development of unique patterns through the flat pattern and draping methods, students take projects from original concepts to finished products.

During the first three years, students take courses that provide opportunities for constant interaction between faculty and students. To be successful, students need a strong grounding in merchandise management, marketing, information systems, human resources management, accounting, and economics. During their senior year, students will complete an internship with a regional or national retailer, manufacturer, or buying office. Typical internship sites include New York City, Atlanta, Dallas, Charlotte, and Birmingham.

The Apparel and Textiles (AT) major offers two concentrations: Apparel Design and Fashion Retailing.

Students in both AT concentrations must take:

- 18 hours of common courses
- 45 hours of coursework for apparel design or 56 hours of coursework for fashion retailing

Apparel and Textiles provides career preparation for students interested in merchandising, management, design and production careers in retailing and/or the textile and apparel industry. Apparel and Textiles is also appropriate for students who are interested in pursuing a wide variety of entrepreneurial opportunities in fashion retailing, textiles and/or apparel.

## Required Courses for all AT Majors

Code and Title	Hours
CTD 261 Textiles	3
CTD 281 Fundamentals of Fashion Indust	3
CTD 447 Text Apparl Intnat Trade	3
CTD 448 or History Of Costume	3
CTD 415 History Textile Design	
EC 110 Principles of Microeconomics	3
MKT 300 Marketing	3
<b>Total Hours</b>	<b>18</b>

## Apparel Design Concentration for AT Majors

The concentration in apparel design is planned for students interested in preparing for design, production and management careers in the textile and apparel industry. Students may enhance their career preparation by choosing coursework from such areas as art, business and communication, and by completing an internship in textile/apparel production or design. Accreditation by the National Association of Schools of Art and Design was awarded in 2018.

All students interested in transferring into the apparel design concentration at The University of Alabama should contact the Department of Clothing, Textiles, and Interior Design one year prior to enrollment, if possible, to verify transfer credits and plan for a required portfolio review.

Transcripts, student work, project assignments and course syllabi are required at the time of the portfolio review. CTD 241 Apparel Construction is a prerequisite for CTD 245 Apparel Production, which is offered spring semester only. CTD 245 Apparel Production, CTD 349 Compt-Aid Apparel Design, CTD 350 Flat Pattern Design, CTD 351 Apparel Des Thru Drpng and CTD 450 Advanced Apparel Design are not offered in summer school and must be completed in that sequence. Each student will be assigned an academic advisor who will help develop the plan of study.



Code and Title	Hours
ART 110 Drawing I	3
CTD 141 Intro to Apparel Design	3
CTD 217 Fashion Illustration	3
CTD 241 Apparel Construction	3
CTD 245 Apparel Production	3
CTD 319 Textile Design	3
CTD 349 Compt-Aid Apparel Design	3
CTD 350 Flat Pattern Design	4
CTD 351 Apparel Des Thru Drpng	4
CTD 446 or Cult Dynam Apparel Text	3
CTD 387 Fashion Marketing	
CTD 450 Advanced Apparel Design	4
CTD 461 Quality Control for Textiles	3
Art history (FA)	6
<b>Total Hours</b>	<b>45</b>

## Fashion Retailing Concentration for AT Majors

The fashion retailing internship is an approved work experience completed during the entire fall semester of the student's senior year. The internship must be a full-time experience, with the student working an average of 40 hours per week. Students will not be required to come to campus that semester.

Code and Title	Hours
CTD 231 Sewn Products Analysis	3
CTD 292 Analysis & Fashion Forecastin	3
CTD 320 Visual Merchandising	3
CTD 361 Fashion Merchandising I	3
CTD 374 Digital Commerce	3
CTD 381 Fashion Retailing Seminar	1
CTD 387 Fashion Marketing	3
CTD 446 Cult Dynam Apparel Text	3
CTD 461 Quality Control for Textiles	3
CTD 481 Fashion Merchandising II	3
CTD 485 Intern Fashion Retailing	9
AC 210 Intro To Accounting	4
CS 285 Spreadsheet Applications	3
MGT 300 or Org Theory & Behavior	3
CSM 461 Manag in High Perf Org	
Select two of the following:	6
MKT 321 Retail Management	
MKT 313 Consumer Behavior	
MKT 337 Personal Selling	
MKT 376 Services Marketing	
MKT 344 Promotional Management	
MKT 410 Managing Innovation	
Select one of the following:	3
CSM 441 Consumer Communications	
CSM 445 Applied Digital Tools	
CSM 447 Advanced Digital Tools	
CSM 458 Spreadsheets in Fin. Decisions	

ST 260 Statistical Data Analysis	Hours
<b>Total Hours</b>	<b>56</b>

Apparel design graduates possess the skill to both manually and digitally create an original line for a specific target market, articulate the design philosophy underlying the line, execute the pattern work, and prepare the technical flats and specification package for the line items. They are prepared, as a result, to meet the demands of an entry-level position as an assistant designer, assistant technical designer or positions in fashion publishing and apparel manufacturing. One of the strengths of the apparel design program was cited by the recent NASAD (National Association of Schools of Art & Design) accreditation report that reflected students in the program are encouraged to find their own creative voice and point of view as a designer, allowing them to have a better sense of what they value in design. The challenges of universal design, inclusive design, and the support of sustainability are important factors in both majors.

Diverse career opportunities exist for fashion retailing graduates. Some pursue traditional careers in corporate buying and sales, merchandise management, human resource management, store management, product development and wholesale management. Other graduates pursue non-traditional career opportunities in public relations, entrepreneurial enterprises, and as sales representatives outside the apparel industry.

## Opportunity for Positions

Graduates of the Apparel Design program find positions in every sector of the fashion industry. Many develop clothing lines and pursue businesses of their own, while others find positions assisting established designers, and working in the corporate end of fashion.

Recent graduates in the Fashion Retailing program have accepted positions with wholesale apparel companies, buying offices, fashion magazines, and retail stores.

## Graduate Success

Graduates of the apparel design program and the fashion retail program are well represented in the most successful fashion houses and companies in the fashion industry. Experienced alumni from our program include the founder of Gurwitch Products, which manufactures Laura Mercier cosmetics; the president of Karen Kane; the president of Sigrid Olsen; and the assistant manager of the Manhattan Coach flagship store in New York. Proenza Schouler, Brandon Maxwell, Jason Wu, Lafayette 148, Oscar de la Renta, Anna Sui, Ralph Lauren, Michael Kors, Macy's, Dillard's, Talbots, J. Crew, Kate Spade, Abercrombie & Fitch, Spanx, Billy Reid, Alabama Chanin, Belk, Dick's Sporting Goods, The Masters, Kimora Lee Simmons, Carter's/OshKosh B'gosh, and Walt Disney World are some of the industry businesses that employ our alumni. Some of our students move to New York after graduation, but many find opportunities scattered across the country. The fashion industry is rapidly changing and the apparel design and fashion retail majors at UA also offer the option of entrepreneurship classes to help students create their own brands and pursue their own business ventures as well.

Learn more about opportunities in this field at the Career Center

## Interior Design, BS

The Interior Design program's philosophy at The University of Alabama acknowledges the need for the interior design profession to remain active

in providing for the safety, convenience, and aesthetic satisfaction of users in the 21st century and beyond.

The program in Interior Design prepares students for professional careers in residential and nonresidential interior design. Career opportunities include employment with interior design studios, interior design divisions of architectural firms, retail establishments, and corporate design departments, as well as independent business ownership. The coursework prepares students to become entry-level professionals qualified to sit for the NCIDQ and become registered interior designers. The Interior Design program received a six-year accreditation from the Council for Interior Design Accreditation (CIDA) in 2017. Accreditation by the National Association of Schools of Art and Design (NASAD) was awarded in 2018.

Code and Title	Hours
<b>Required Courses</b>	
ART 110 Drawing I	3
ART 131 3D Design	3
CTD 102 Applied Design	3
CTD 121 Intro to Interior Design	3
Select two Studio Arts of the following or faculty approved Studio Art:	6
CTD 215 Introduction to Rendering (Interim Only)	
CTD 255 Comp Appl for Interior Design (C)	
CTD 319 Textile Design	
CTD 340 Portfolio Development	
CTD 353 Language of Design (Italy Trip)	
CTD 355 Global Influences on Design (Italy Trip)	
CTD 427 ACAD (C)	
CTD 221 Materials for Design	3
CTD 225 Residnt Des/Graphic Comm	3
CTD 226 Nonresidential Design	3
CTD 250 Construction Procedures for ID	3
CTD 261 Textiles	3
CTD 321 History of Interiors I (History of Interiors I)	3
CTD 325 Design For Special Populations	4
CTD 326 Design For Hospitality Int	4
CTD 328 ID Professional Practice	3
CTD 330 AutoCAD for Interior Design	3
CTD 371 Lighting For Interiors	3
CTD 422 Research and Theory for INTD (W)	3
CTD 425 Advanced Residential Design	4
CTD 426 Advanced Design	4
Art History	6
<b>Total Hours</b>	<b>70</b>

## Transfers

All students interested in transferring into the interior design program at The University of Alabama should contact the department of clothing, textiles and interior design at least one year prior to enrollment, if possible, to verify transfer credits and plan for a required portfolio review. Transcripts, student work, project assignments and course syllabi are required at the time of the portfolio review.

CTD 121 Intro to Interior Design is a prerequisite for CTD 225 Residnt Des/Graphic Comm, the first official studio class, which is offered fall semesters only. TRANSFER STUDENTS WHO DO NOT HAVE CREDIT

FOR CTD 121 Intro to Interior Design (or the equivalent) ARE URGED TO COMPLETE THE COURSE DURING SUMMER SCHOOL IN ORDER TO TAKE CTD 225 Residnt Des/Graphic Comm the first fall semester of enrollment.

## Course Sequencing

As well as CTD 225 Residnt Des/Graphic Comm, CTD 226 Nonresidential Design, CTD 325 Design For Special Populations, CTD 326 Design For Hospitality Int, CTD 425 Advanced Residential Design and CTD 426 Advanced Design are not offered in summer school and must be taken in the above sequence. **Studio/Lab courses are open only to interior design majors.** Each student will be assigned an academic advisor who will help develop a plan of study.

The Interior Design program serves the interior design profession and its clients and users through quality instruction, research, and service. Our mission addresses student learning in the areas of social and cultural history, sustainability, professional practice, nonresidential and residential clients, and special populations. Computer application relative to design problems and the development of aesthetic skills complete the focus in order to provide for human safety, comfort, function, and convenience. Graduates of the program can expect to secure entry-level positions in a wide variety of areas with the design profession.

## Types of Jobs Accepted

Recent graduates have accepted jobs with architectural firms, interior design firms. they have accepted employment with private sector corporate businesses such as restaurants, hotels, and banks, as well as public sector entities such as hospitals, schools, and government agencies. Graduates frequently have been chosen by their firms to become LEED (Leadership in Energy and Environmental Design) certified.

## Jobs of Experienced Alumni

Experienced alumni designs have included the interior of a French aircraft for Dassault Aviation; the flagship retail store for New York's Barney's in Texas; preservationist work in New York with architect David Foster; designs for the U.S. military; and sky boxes for sports arenas. They have worked on high-end residential design in New York with Keith Irvine; in Washington, D.C., with Solis Betancort; with a design/build firm in Houston, Texas; and with architect Stephen Laney. Graduates also have become executives in the world of design materials (fabrics, carpet, furniture, and lighting). Alumni have pursued graduate education at international schools of architecture such as the Glasgow School of Art.

Learn more about opportunities in this field at the Career Center

## Department of Consumer Sciences

- Major
  - Consumer Sciences, BS
- Minor
  - Digital Consumer Engagement (p. 702)
  - Conflict Resolution (p. 700)
  - Consumer Sciences (p. 701)
  - Personal Finance (p. 702)
- 
- 

In the Department of Consumer Sciences, students learn how to help people thrive in the environments in which we all live and work. The core Consumer Sciences coursework provides a foundation for understanding consumers in both face-to-face and online settings. Elective courses help students deepen their understanding of effective

consumer communication strategies, improve their own finances and the financial capabilities of others, and master leadership and conflict resolution principles that will benefit them in home, community, and market environments. Although a concentration is not required, two concentration areas are available for majors who wish to focus on a particular area within Consumer Sciences: Family Financial Planning and Counseling, or Consumer Affairs.

#### Dean

- Usdan, Stuart

#### Chair

- Nielsen, Robert

#### Professor

- Nielsen, Robert

#### Associate professors

- Choi, Shinae
- Kim, Kyoung Tae
- Wilmarth, Melissa

#### Assistant professors

- Jurgenson, Jesse
- L'Esperance, Madelaine
- McGahey, Courtney L.
- McMath, Juanita
- Men, Fei
- Pentecost, Eve
- Stebbins, Richard

#### Adjunct assistant professors

- Becker, Luke
- Brown, Tasha
- Gaines, Bobby
- Tate, Adam
- Zettler, Laura

#### Adjunct instructors

- Baggett, Amy
- Bradshaw, David
- Cole, Scott
- Fannin, Andrea
- Hairston, Jennifer
- Williams, Christopher

#### Professor Emerita

- Abdel-Ghany, Mohamed
- Boschung, Milla
- Price, Barrie Jo

#### CSM101 Introduction to Digital Tools

Hours 3

Students are expected to demonstrate basic proficiency in the word processing, presentation, and spreadsheet tools as well as other emerging productivity tool sets. Specific emphasis is placed on introducing skills and uses related to data storage applications, basic technology privacy and security issues, mobile device applications, social media, communications technology, and work-place applications. Students exit this class with a basic introduction to each topic and other emerging topics deemed relevant for today's digital citizens, consumers, and professionals.

#### CSM104 Introduction to Personal Finance

Hours 3

This introduction to personal finance is ideal for freshmen and sophomores who are building financial capability. Personal budgeting and money management strategies, the responsible use of credit, automobile and home decisions faced by emerging adults, saving for near and distant goals, and fundamentals of investing are covered. Discussions incorporate current and historical social, economic, and political developments that influence today's consumers.

[View All Courses](#)

### Faculty

#### Dean

Usdan, Stuart

#### Chair

Nielsen, Robert

#### Professor

Nielsen, Robert

#### Associate professors

Choi, Shinae

Kim, Kyoung Tae

Wilmarth, Melissa

#### Assistant professors

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McGahey, Courtney L.

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Zettler, Laura

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Cole, Scott

Fannin, Andrea

Hairston, Jennifer

Williams, Christopher

**Professor Emerita**

Abdel-Ghany, Mohamed

Boschung, Milla

Price, Barrie Jo

## Conflict Resolution, Minor

The Conflict Resolution Minor prepares students for work which requires the skills of negotiation, mediation, and conflict management. The courses provides grounding in interpersonal communication and management skills, including rapport building, empathic listening, behavior modeling, reframing, and problem solving. The courses are appropriate for students with no formal training in managing conflict.

Code and Title	Hours
CSM 425 Conflict Resolution Workplace *	3
CSM 427 Emotional Intelligence	3
CSM 428 Processes of Negotiation	3
CSM 430 Family & Consumer Law *	3
CSM 486 Principled Negotiation	3
*may also count towards CA Concentration	
<b>Total Hours</b>	<b>15</b>

## Consumer Sciences, BS

The Department of Consumer Sciences prepares students for leadership roles in business, government, and non-profit settings. Students in this major have interests in personal finance, consumer behavior, marketing, public policy, consumer engagement, conflict resolution, and related fields that require the expertise of professionals who understand the role consumers play in today's markets. In addition to core courses that provide the foundation for understanding consumers in their economic, political, and home environments, the Consumer Sciences curriculum offers two concentrations. The CSM major with no concentration provides a flexible curriculum and may be particularly appealing for double-majors or students preparing for professional degrees (e.g., graduate or law school).

### Family Financial Planning and Counseling Concentration

The Family Financial Planning and Counseling concentration offers students the knowledge and skills necessary for a career in financial planning and related careers. Financial planners guide clients in many aspects of their financial lives: financial goals, cash flow, taxes, retirement, college, business planning, estate planning, and insurance needs, among others. Financial counselors also counsel clients, with a focus on developing financial capability and sound personal finance principles such as reducing debt, building an emergency fund, negotiating payments, developing a budget, and similar.

The Family Financial Planning and Counseling Concentration coursework fulfills the educational requirements to sit for the CFP® certification exam that leads to the CERTIFIED FINANCIAL PLANNER™ certification registered with the Certified Financial Planner Board of Standards, Inc. The Certified Financial Planner Board of Standards Inc. owns the marks CFP®, Certified Financial Planner™ and CFP (with flame logo) ®, which

it awards to individuals who successfully complete initial and ongoing certification requirements. The University of Alabama does not certify individuals to use the CFP®, Certified Financial Planner™ and CFP (with flame logo) ® certification marks. Only the Certified Financial Planner Board of Standards, Inc., grants CFP certification to those persons who, in addition to completing an educational requirement such as this CFP Board Registered Program, have met ethics, experience, and examination requirements.

The Family Financial Planning and Counseling Concentration coursework also fulfills the educational requirements to sit for the Accredited Financial Counselor® exam offered by the Association for Financial Counseling and Planning Education®.

### Consumer Affairs Concentration

The Consumer Affairs concentration offers an applied approach to understanding consumers in home and market environments. With coursework in consumer economics, consumer policy, consumer communications, and family resource management, the Consumer Affairs concentration prepares students for careers as consumer specialists in government, business, research, and non-profit settings.

This concentration builds students' capacity to analyze markets and matters of personal finance from the perspective of consumers, and to communicate these issues to stakeholders.

Graduates enjoy careers as analysts, entrepreneurs, sales professionals, customer care and engagement specialists, financial professionals, and similar in private, public, and non-profit sectors. The skills learned in this concentration also prepare students for law school and graduate school.

## Consumer Science Major Courses

The CSM major courses are required for all Consumer Sciences majors. HES 310 Prof & Multidisc Collab is a required ancillary course.

Required CSM Major Courses	Hours
CSM 201 Indiv Family Resourc Mgt	3
CSM 204 or Intro Personl Finan Plan	3
CSM 205 Honors Intro Pers Finan Plan	
CSM 303 Intro to Consumer Econ	3
CSM 381 or Consumer Marketing Management	3
MKT 300 Marketing	
CSM 401 Consumer Protection	3
CSM 425 Conflict Resolution Workplace	3
ST 260 or Statistical Data Analysis	3
PY 211 or Elem Statistical Methods	
SOC 301 or Social Statistics	
BER 345 or Educational Statistics	
CJ 381 Statistics	
<b>Total Hours</b>	<b>21</b>

### *C- or higher required for CSM major courses*

## Consumer Sciences without a concentration

The Consumer Sciences major without a concentration requires 21 major hours plus an additional 27 CSM hours for a required total of 48 hours.

Code and Title	Hours
<b>Required CSM Major Hours</b>	<b>21</b>
<b>CSM Junior/Senior Block (Any CSM 300-499 level course)</b>	<b>15</b>

**CSM Elective Block (Additional CSM 100-499 courses; or department approved electives)** 12

**Total Hours** 48

*C- or higher required for CSM major courses*

## Family Financial Planning and Counseling Concentration

The Family Financial Planning and Counseling concentration requires 21 major hours and 32 concentration hours for a total of 53 credit hours.

Code and Title	Hours
<b>Required CSM Major Hours</b>	<b>21</b>
AC 210 or AC 211 Intro To Accounting	4
AC 211 Honors Intro To Accounting	
CSM 300 Time Value of Money	1
CSM 400 Personal Insurance Plan & Mgt	3
CSM 404 Personal Investment Plan & Mgt	3
CSM 410 Pers Retire Plan Employ Benefs	3
CSM 420 Personal Estate Planning	3
CSM 435 Psychology Of Money	3
CSM 454 Personal Income Tax Mgt Planng	3
CSM 458 Spreadsheets in Fin. Decisions	3
CSM 459 Tech of Counsl in Cons Science	3
CSM 460 Finan Plan Case Study Capstone	3
<b>Total Hours</b>	<b>53</b>

*C- or higher required for CSM major and concentration area courses*

## Consumer Affairs Concentration

The Consumer Affairs concentration requires 21 major hours and 27 concentration hours for a total of 48 credit hours.

Code and Title	Hours
<b>Required CSM Major Hours</b>	<b>21</b>
<b>Required Consumer Affairs Courses</b>	<b>12</b>
CSM 403 Consumer Economics	
CSM 415 Customer Service Management	
CSM 441 Consumer Communications	
CSM 447 Advanced Digital Tools	
<b>Select three from the following:</b>	<b>9</b>
CSM 405 Public Policy	
CSM 435 Psychology Of Money	
CSM 440 Max Social Media Mktg	
CSM 451 Consumer Demographics	
CSM 455 Research Methods and Analysis	
CSM 459 Tech of Counsl in Cons Science	
<b>CSM Electives (Additional CSM 100-499 courses; or department approved electives)</b>	<b>6</b>
<b>Total Hours</b>	<b>48</b>

*C- or higher required for CSM major and concentration area courses*

## Consumer Affairs

### Customer Care and Engagement

- customer care and engagement specialist
- social media engagement specialist

- customer service manager
- public relations specialist

### Consumer Policy and Advocacy

- consumer advocate
- consumer counselor
- consumer insights analyst
- consumer behavior researcher
- state/local government consumer liaison

### Digital Consumer Management

- social media marketing specialist
- digital engagement specialist
- digital consumer marketing manager
- digital consumer insights analyst

### Advertising, Sales, and Marketing

- sales representative or manager
- market research analyst
- sales/account manager
- brand manager
- product development specialist

## Family Financial Planning and Counseling

### Financial Planning in the following settings:

- private practice
- insurance companies
- retirement planning department
- accounting or investment firms
- family service agencies
- estate planning firms
- brokerage houses
- banks
- bankruptcy courts

### Financial Counseling in the following settings:

- financial aid offices
- Cooperative Extension
- employee assistance programs
- credit counseling centers
- military financial education departments
- student financial counseling centers
- housing counseling centers

Learn more about opportunities in this field at the Career Center

## Consumer Sciences, Minor

Office: 316 Adams Hall

## The Consumer Sciences Minor

The Department of Consumer Sciences prepares students for leadership roles in business, government, and non-profit settings. Students in this minor have interests in personal finance, consumer behavior, marketing, public policy, and related fields that require the expertise of professionals who understand the role consumers play in today's markets. The consumer sciences minor is available only to students outside the Department of Consumer Sciences.

Code and Title	Hours
CSM 201 Indiv Family Resourc Mgt	3
CSM 204 or Intro Personl Finan Plan	3
CSM 205 Honors Intro Pers Finan Plan	
CSM 303 or Intro to Consumer Econ	3
CSM 403 Consumer Economics	
CSM 381 Consumer Marketing Management	3
CSM 401 Consumer Protection	3
CSM 425 Conflict Resolution Workplace	3
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required for completion of the degree. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student should meet with an adviser in the major department for academic planning.

## Digital Consumer Engagement, Minor

The Digital Consumer Engagement Minor equips students with the technical knowledge, skills, and abilities to succeed in today's digital consumer workplace and home. Consumers are increasingly engaged in digital communications and online communities in their homes, workplaces, and markets. The Digital Consumer Engagement curriculum prepares students for these transactions and the quickly-changing markets in which they occur.

Code and Title	Hours
CSM 101 or Introduction to Digital Tools	3
CS 102 Computer Applications	
CSM 440 Max Social Media Mktg	3
CSM 441 Consumer Communications *	3
CSM 443 or Consumer Cybersecurity	3
CSM 381 Consumer Marketing Management	
CSM 447 Advanced Digital Tools	3
*may also count towards CA Concentration	
<b>Total Hours</b>	<b>15</b>

## Personal Finance, Minor

The Personal Finance Minor introduces students to the fundamentals of managing their own finances and developing others' financial capability. Students who pursue a CSM major cannot also pursue the Personal Finance Minor.

Code and Title	Hours
Required Courses:	
CSM 201 Indiv Family Resourc Mgt	3
CSM 204 or Intro Personl Finan Plan	3
CSM 205 Honors Intro Pers Finan Plan	
CSM 300 Time Value of Money	1

Choose 3 Additional Courses:

CSM 333 Financial Capability	3
CSM 400 Personal Insurance Plan & Mgt	3
CSM 435 Psychology Of Money	3
CSM 454 Personal Income Tax Mgt Planng	3
CSM 459 Tech of Counsl in Cons Science	3

**Total Hours** 22

## Department of Health Science

- Majors
  - Public Health, BS (p. 703)
- Minor
  - Athletic Training (p. 704)

### Department Head

- Chaney, Don

### Professors

- Chaney, Beth
- Chaney, Don
- Stellefson, Michael
- Turner, Lori
- Usdan, Stuart

### Associate Professors

- Elder, Lizzie
- Knowlden, Adam
- Leaver-Dunn, Deidre
- Nickelson, Jen

### Assistant Professors

- Burton, Wanda
- Jaiswal, Jessica
- Marcantonio, Tiffany
- Mkuu, Rahma
- Moran, Ryan
- Tompkins, Leah
- Wallace, Jessica
- Wilkerson, Amanda
- Zemke, Jeri

### Instructors

- McNeal, Kareem
- McVeagh, Isabella
- Wingo, Kelly

### BS Public Health Program Coordinator

- Wingo, Kelly

### ATR257 Intro to Athletic Training

Hours 3

The study of current principles in the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses.

**HHE265 Safety and Injury Prevention**

Hours 3

Among people 1-44 years of age, unintentional injury is the leading cause of death in the United States according to the centers for disease control and prevention (CDC). Even after age 44, unintentional injury remains among the top ten causes of mortality among Americans. Additionally, millions of Americans are injured each year and not die. For individuals that survive an injury, pain and disability can linger for years, if not for the rest of their lives. This course explores the complex nature of unintentional injuries while examining the impact of various prevention strategies.

Prerequisite(s): NONE

Prerequisite(s) with concurrency: NONE

View All Courses

**Faculty****Department Head**

Chaney, Don

**Professors**

Chaney, Beth

Chaney, Don

Stellefson, Michael

Turner, Lori

Usdan, Stuart

**Associate Professors**

Elder, Lizzie

Knowlden, Adam

Leaver-Dunn, Deidre

Nickelson, Jen

**Assistant Professors**

Burton, Wanda

Jaiswal, Jessica

Marcantonio, Tiffany

Mkuu, Rahma

Moran, Ryan

Tompkins, Leah

Wallace, Jessica

Wilkerson, Amanda

Zemke, Jeri

**Instructors**

McNeal, Kareem

McVeagh, Isabella

Wingo, Kelly

**BS Public Health Program Coordinator**

Wingo, Kelly

**Public Health, BS**

Public health is the science of protecting and improving the health of people and their communities. With a focus on health promotion and

disease/injury prevention, the B.S. in Public Health program provides students with foundational public health knowledge and skills that can be applied across a range of settings. The program prepares students to enter the workforce or continue their education into areas such as public health, medical school, or other professional and allied health programs. Graduates of the program are eligible to take the national Certified Health Education Specialist (CHES) exam (visit the National Commission for Health Education Credentialing, Inc. for more information). Students must complete one of the two concentrations offered in the program: Health Education and Promotion or Health Professions.

**Health Education and Promotion Concentration:**

The Health Education and Promotion concentration is designed for public health majors interested in careers in community, health care, and work-site health promotion among others. Students in this concentration may also be interested in pursuing graduate studies in public health or health promotion (e.g., Master of Public Health) and other related disciplines.

**Health Professions Concentration:**

The Health Professions concentration is designed for public health majors interested in pursuing undergraduate and/or graduate studies in physical therapy, medicine, dentistry, nursing, and other allied health professions. The concentration allows additional health-related elective courses (as approved by and selected in consultation with the BS in Public Health Program Advisor) to be used towards such program pursuits.

**Accelerated Master's Program (AMP):**

An Accelerated Master's Program (AMP) in Health Education & Promotion provides students an opportunity to take twelve predetermined credits that count simultaneously toward the B.S. in Public Health and the Master of Public Health (MPH) degree programs. Students admitted into the program could complete both degrees in five years. Prospective AMP students should consult with the BS in Public Health Program Advisor as early as possible; applications should be submitted prior to completing the junior year. At the time of application, you must have an overall undergraduate grade point average of no less than 3.5 in all courses. Please visit the UA Graduate School for more information.

Total coursework required for the B.S. in Public Health degree is 120 semester hours, of which 51 must be in the major. Of the 51 hours of coursework in the major, 18 should be completed in one of two concentrations: Health Education and Promotion or Health Professions.

<b>Public Health, BHL</b>		<b>Hours</b>
<b>Major Requirements</b>		
HHE 270	Personal Health	3
HHE 273	Introduction to Public Health	3
HHE 370	Prin/Foundatn Health Promotion	3
HHE 375	Health Behavior Theory	3
HHE 378	Drugs, Society, & Human Behav	3
HHE 380	Pub Hlth Sys Policy	3
HHE 445	Environmental Health	3
HHE 446	Health Disparities	3
HHE 450	Intro Epi Health Ed/Promo	3
HHE 468	Pract Appl Health Comm & Promo	3
Select one of the following:		3
PY 211	Elem Statistical Methods	
BER 345	Educational Statistics	
ST 260	Statistical Data Analysis	

Select one of the following concentrations	18
<b>Total Hours</b>	<b>51</b>

## Concentrations

In addition to the public health major requirements (33 credit hours), students must complete either the Health Education and Promotion Concentration (18 credit hours) or the Health Professions Concentration (18 credit hours).

### Health Education and Promotion Concentration

Requirements for the Health Education and Promotion Concentration are listed below.

Code and Title	Hours
HHE 470 Needs Assess and Program Plan	3
HHE 475 Program Evaluation	3
HHE 488 Internship Community Hlth	12
<b>Total Hours</b>	<b>18</b>

### Health Professions Concentration

Requirements for the Health Professions Concentration are listed below.

Code and Title	Hours
HHE 385 Intro Patient Educ	3
<b>15 hours from the following health elective list:</b>	<b>15</b>
HHE 265 Safety and Injury Prevention	
HHE 440 Understanding Stress Mgt	
HHE 470 Needs Assess and Program Plan	
HHE 475 Program Evaluation	
HHE 480 Culminating Experience in P.H.	
HHE 490 Cert Hlth Ed Specialist Study	
HHE 496 Independent Study	
ATR 257 Intro to Athletic Training	
ATR 272 First Aid, Safety & CPR	
ATR 305 Clinical Biomechanics	
ATR 432 Applied Performance Physiology	
BSC 108 to BSC 497	
CH 100 to CH 499	
HD 203 Medical Terminology	
HD 475 Human Sexuality Sex Education	
MATH 113 Precalculus Trigonometry	
MATH 115 Precalc Algebra & Trig	
MATH 125 Calculus I	
NHM 101 Intro Human Nutrition	
PH 101 General Physics I	
PH 102 General Physics II	
PY 352 Developmental Psych	
PY 358 Psychopathology	
<b>Total Hours</b>	<b>18</b>

**NOTE:** Prerequisite courses for allied health undergraduate and/or graduate programs may also be used for the Health Professions Concentration (consult with Public Health Program Advisor). Specific admissions requirements vary; therefore, students preparing to enter allied health programs should consult the catalogs of the schools

of their interest early in their undergraduate enrollment in order to be informed of the exact requirements for entrance.

The overall employment outlook for public health graduates regardless of concentration or sub-discipline is strong (U.S. Bureau of Labor Statistics, 2018). The employment of health educators and community health workers, specifically, is projected to grow 16 percent from 2016 to 2026, which is faster than the average for all occupations (U.S. Bureau of Labor Statistics, 2018). Health educators and community health workers work in a variety of settings, including hospital and other clinical settings, nonprofit organizations, government, private businesses, and universities and colleges.

Learn more about opportunities in this field at the Career Center

## Athletic Training, Minor

The minor in Athletic Training will create a pathway for students prepare them for graduate programs in Athletic Training as well as gain the skills need to succeed other related athletic health care fields. The program will emphasize patient-centered care and evidence-based practice while providing the student with a combination of didactic and clinical education. The minor program will focus on taping, bracing, palpation, CPR/First-Aid, applying classroom knowledge in health care, scientific writing, and critical thinking within the discipline. A minor in Athletic Training will not allow a student to sit for the Board of Certification exam or to become licensed to practice as an athletic trainer.

The Athletic Training Minor requires 18 credit hours. A 2.75 grade point average in the minor is required. Students that wish to minor in Athletic Training must meet with the Athletic Training Academic Advisor before declaring the minor. For appointment please email [mrlake@ches.ua.edu](mailto:mrlake@ches.ua.edu).

Code and Title	Hours
ATR 258 Clinical Fundamentals	1
ATR 272 First Aid, Safety & CPR	1
ATR 300 Foundations in AT	3
ATR 305 or Clinical Biomechanics	3
KIN 365 Applied Biomechanics	
ATR 312 Healthcare Teams	2
ATR 405 Injury Psychology	3
ATR 432 or Applied Performance Physiology	3
KIN 492 Advanced Ex Phys	
HD 203 Medical Terminology	2
<b>Total Hours</b>	<b>18</b>

## Department of Human Development and Family Studies

Human Development and Family Studies (HDFS) focuses on helping children, families, and relationships thrive. The Department of Human Development and Family Studies offers majors in addiction and recovery studies (A&R), early childhood education (ECE), and human development and family studies (HDFS). In the HDFS major, three concentrations are offered: adolescence and youth development, child life, and family life education and advocacy. For non-majors, the department offers minors in addiction and recovery studies and human development and family studies.

The department offers three different majors, and therefore, it is possible to double-major within the department. However, to double-major among the majors offered by the department, students must meet the



requirements for both majors, and for any concentrations selected. Only HD 202, HD 205, HD 302, HD 325, HD 382, HD 472, HD 475, and HD 220/PY 211/BER 345 are permitted to apply toward the completion of multiple majors within the department.

- Majors
  - Early Childhood Education, BS (p. 707)
  - Human Development and Family Studies, BS (p. 707)
  - Addiction and Recovery Studies, BS (p. 706)
- Minors
  - Human Development and Family Studies (p. 709)
  - Addiction and Recovery Studies (p. 705)

#### Department Head

- Robert D. Laird

#### Professor

- Hernandez-Reif, Maria

#### Associate professors

- Burns-Nader, Sherwood
- Scofield, Jason
- Totenhagen, Casey
- Witte, Tricia

#### Assistant professors

- Banse, Holland
- Berryhill, Blake
- Blitch, Kimberly
- Casper, Deborah
- Downs, Karly
- Gajos, Jamie
- Kendrick, April
- Komara, Cecile
- Love, Heather
- Weymouth, Bridget

#### Professors Emeriti

- Hudson, Carmen
- Enders, Linda
- Jesse, Peggy
- Ladewig, Becky
- Stinnett, Nancy
- Stinnett, Nick
- Strickland, Martha S.

#### HD101 Life Span Human Development

SB

Hours 3

An introductory survey of basic principles of human development across the life span. Developmental principles are studied within the framework of change and stability in the domains of the physical, cognitive, and psychosocial development. HD 101 counts toward the Social and Behavioral Sciences requirement of the UA Core.

Social and Behavioral Sciences

#### HD202 Child Dev-Infancy/Todlr

Hours 3

The growth and development of the child from conception to three years of age are studied. Methods used in infant research, practical implications of research, and major theoretical issues and observational techniques are addressed. Three lecture hours, one laboratory hour per week. HD 202 and HD 205 cannot be taken in the same semester.

View All Courses

### Faculty

#### Department Head

Robert D. Laird

#### Professor

Hernandez-Reif, Maria

#### Associate professors

Burns-Nader, Sherwood

Scofield, Jason

Totenhagen, Casey

Witte, Tricia

#### Assistant professors

Banse, Holland

Berryhill, Blake

Blitch, Kimberly

Casper, Deborah

Downs, Karly

Gajos, Jamie

Kendrick, April

Komara, Cecile

Love, Heather

Weymouth, Bridget

#### Professors Emeriti

Hudson, Carmen

Enders, Linda

Jesse, Peggy

Ladewig, Becky

Stinnett, Nancy

Stinnett, Nick

Strickland, Martha S.

## Addiction and Recovery Studies, Minor

#### Admission into the Minor

Students who choose to declare a minor must meet with an advisor in the minor department. Students should complete the Change of Major/Minor Application online under the Student tab of myBama before or during the third year of full-time enrollment. A minor in addiction and recovery studies is available to students outside of the major in addiction and recovery studies.

Code and Title	Hours
<b>Minor Courses</b>	
HD 210 Understanding Addiction	3
Select five of the following:	15
HD 325 Probs Child/Adol	
HD 445 Addiction and the Family	
HD 450 Addiction:Treat/Recover	
HD 405 Policy Issues: Family, Crime and Addictions	
HD 375 Found Addict Counsel	
HD 415 Addiction Prevention	
HHE 378 Drugs, Society, & Human Behav	
PY 358 Psychopathology	
CJ 240 Juvenile Delinquency	
<b>Total Hours</b>	<b>18</b>

## Grade Point Average

A 2.0 grade point average in the minor is required for completion of the degree. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA and all work attempted applicable to the minor throughout the entire higher education career. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements. Students are not permitted to count the same required course towards completion of a major or second minor within the Department of Human Development and Family Studies. A minor in addiction and recovery studies is available to students outside of the major in addiction and recovery studies.

## Addiction and Recovery, BS

This major offers students a scientific understanding of addiction and the process of recovery, along with ways to prevent, treat, and advocate for policy changes that will help address the epidemic that is affecting our community, nation, and world. Students will learn how individual, family, peer, school/work, and community factors may serve as both risk and protective factors in the development of addiction, and how these factors are essential to successful outcomes for prevention, treatment, and recovery. With this training, students will be prepared to enter the workforce in a variety of settings or to continue their education in graduate school, medical school, or law school. This program of study is ideal for students interesting in pursuing careers in counseling, family therapy, prevention, policy, community outreach, ministry, medicine, or law. *This major has a one-semester internship requirement. Students who choose to gain additional hands-on experience (beyond the internship) at prevention agencies or treatment centers may apply for certification as*

*prevention specialists or alcohol/drug counselors through Alabama Alcohol and Drug Abuse Association (AADAA).*

## HDFS Department Requirements

All students with a major in the Department of Human Development and Family Studies must take the following courses as part of the University core requirements:

Code and Title	Hours
<b>University Core Requirements</b>	
BSC 114 Principles Of Biology I & BSC 115 or and Laboratory Biology I BSC 109 Intro Biology Non Maj II	4
HD 101 Life Span Human Development	3
PY 101 Intro To Psychology	3
<b>Total Hours</b>	<b>10</b>

## Addiction and Recovery Studies Major Requirements

Code and Title	Hours
HD 210 Understanding Addiction	3
HD 302 Child Dev-Adolescence	3
PY 358 Psychopathology	3
HD 475 Human Sexuality Sex Education	3
HD 405 Policy Issues: Family, Crime and Addictions	3
HD 415 Addiction Prevention	3
HD 375 Found Addict Counsel	3
HD 450 Addiction:Treat/Recover	3
HD 445 Addiction and the Family	3
HD 472 Program Evaluation	3
Choose one of the following:	3
HD 325 Probs Child/Adol	
HD 335 Trauma & Stress	
Choose one of the following:	3
HHE 378 Drugs, Society, & Human Behav	
SW 414 Chemical Dependency	
Choose one of the following:	3
HD 220 Research & Critical Thinking	
PY 211 Elem Statistical Methods	
BER 345 Educational Statistics	
<b>Elective (Choose one)</b>	<b>3</b>
SW 210 Family & Child Welfare	
CJ 240 Juvenile Delinquency	
CJ 225 Community Based Corrections	
HY 378 Drugs, Booze, and Mexican Society	
<b>Field Experience</b>	
HD 499 Intern Addiction	6
<b>Total Hours</b>	<b>48</b>

Each student completing the addiction and recovery studies major must have a grade point average of 2.0 or higher in both major and UA coursework before enrolling in HD 499 Intern Addiction. Students that do not meet the grade point average requirement for the internship may request special permission from the internship coordinator. Students

should contact the department's internship coordinator for further information.

Graduates will be prepared to work in entry-level positions at nonprofit substance abuse treatment centers and work toward their Alcohol and Drug Counselor (ADC) Certification from AADAA, the Alabama Alcohol and Drug Abuse Association. Students who gain supervised experience at a prevention agency during their internship will be eligible to apply for their Associate Prevention Specialist (APS) credential upon graduation and then work toward their Certified Prevention Specialist (CPS) credential after accruing additional supervised hours of experience. These credentials are also offered by AADAA.

Graduates will be qualified to work in a variety of agencies that serve at-risk children and families.

## Early Childhood Education, BS

The early childhood education (ECE) major prepares graduates to work with a diverse population of young children and families using research-based, developmentally appropriate educational practices. The ECE major is a teacher preparation program accredited by The National Association for the Education of Young Children (NAEYC), with curricular emphasis on the years spanning birth to age five. Experiential learning activities, assessments, and classroom practicum experiences with children in birth to pre-K settings are provided for all students. The knowledge and skills that ECE students learn help prepare them to teach in a variety of early learning programs, such as programs that use emergent curriculum, Pre-K programs housed in public schools, private childcare programs, faith-based programs, community-based programs, and others. Students also are prepared for non-teaching careers as early interventionists, case managers, employees for non-profit organizations, and curriculum specialists. Eligible students may also apply for teacher certification (Birth to PreK Child Development Certificate) to work in public Pre-K classrooms in Alabama. *This major has a one-semester internship requirement.*

### Degree Options

Early childhood education students graduate with a Bachelor of Science degree. Students who began their studies on or after July 2017, may apply for teacher certification through the Alabama State Department of Education.

### HDFS Department Requirements

All students with a major in the Department of Human Development and Family Studies must take the following courses as part of the University core requirements:

Code and Title	Hours
BSC 114 Principles Of Biology I & BSC 115 or and Laboratory Biology I BSC 109 Intro Biology Non Maj II	4
HD 101 Life Span Human Development	3
PY 101 Intro To Psychology	3
<b>Total Hours</b>	<b>10</b>

### Early Childhood Education Major Requirements

Code and Title	Hours
HD 202 Child Dev-Infancy/Todlr	3
HD 205 Early and Middle Child Dev	3

HD 215	Foundations of ECE	3
HD 321	Curriculum Planning in ECE I	3
HD 322	Curriculum Planning in ECE II	3
HD 327	Assessment of Young Children	3
HD 382	Parent And Family Devt	3
HD 422	Admin Child Centers & Programs	3
HD 472	Program Evaluation	3
HD 495	Early Childhood Ed Internship	6
SPE 471	Dev Persp Young Child W/ Disab	3
Choose one of the following:		3
HD 220	Research & Critical Thinking	
PY 211	Elem Statistical Methods	
BER 345	Educational Statistics	

**Total Hours** **39**

Each student completing the early childhood education major must have a grade point average of 2.0 or higher in both HD and UA coursework before enrolling in HD 495 Early Childhood Ed Internship. Many internship opportunities require a cumulative and HD GPA of 2.5 or higher. Students should contact the department's internship coordinator for further information.

### Careers for Graduates

Early Childhood Educator, birth-pre K teacher, early interventionist, curriculum specialist, case manager, advocate for early childhood policies, and employee for non-profit organization.

### Jobs of Experienced Alumni

Lead teachers, pre-K teachers, instructional facilitators, cooperating master teachers, and school administrators (principals, special education supervisors, and directors of non-profit organizations).

Learn more about opportunities in this field at the Career Center

## Human Development and Family Studies, BS

Human Development and Family Studies (HDFS) focuses on helping children, families, and relationships thrive. Students majoring in HDFS have a genuine concern for children and families and seek the challenge of helping people learn, solve life problems, and successfully interact with others. Students gain an understanding of the development of the family system, the dynamics of family relationships, and an understanding of growth and development throughout the lifespan. HDFS offers concentrations in adolescence and youth development, child life, and family life education and advocacy. The HDFS major with no concentration provides a flexible curriculum and may be particularly appealing for double-majors or students preparing for professional degrees (e.g., medical school).

#### Concentrations

**Adolescence and Youth Development** - A major in HDFS with a concentration in adolescence and youth development is available for students who are interested in the growth and development of adolescents and youth within the family, peer, and school contexts. The goal of this concentration is to prepare students for work with youth and adolescents in a variety of settings including community-based programs, family service agencies, and mental-health agencies, or for graduate studies in a variety of fields. *This concentration has a one-semester internship requirement.*

**Family Life Education and Advocacy** - A major in HDFS with a concentration in family life education and advocacy is available for students who are interested in family relations and want to learn how to create and deliver educational programming to enhance family functioning. Graduates may qualify for certification as a Family Life Educator by the National Council on Family Relations. The goal of this concentration is to prepare students for work with families in a variety of settings including community-based programs, family service agencies, and mental-health agencies, or for graduate studies in a variety of fields.

*This concentration has a one-semester internship requirement.*

**Child Life** - A major in HDFS with a concentration in child life is for students who wish to pursue the healthcare career of a Certified Child Life Specialist (CCLS). The curriculum consists of a comprehensive foundation of courses related to child development, family systems, and play, as well as coursework specific to children in the healthcare setting. Laboratory and practicum experiences, along with the conceptual information, provides the foundation necessary to support children and their families in the healthcare setting. Child life specialists provide education about diagnoses and support through procedures, as well as promote development. Graduate are eligible to sit for the Child Life Professional Certification Examination administered by the Child Life Certification Commission of the Association of Child Life Professionals. *This concentration requires completion of an internship in a child life clinical setting. A minimum GPA of 3.0, 100 practicum and volunteer hours, competent interviewing skills, and the resources to relocate are basic requirements for students to enter the national competition for a child life internship.*

## HDFS Department Requirements

All students with a major in the Department of Human Development and Family Studies must take the following courses as part of the University core requirements:

Code and Title	Hours
<b>University Core Requirements</b>	
BSC 114 Principles Of Biology I & BSC 115 or BSC 109 Intro Biology Non Maj II	4
HD 101 Life Span Human Development	3
PY 101 Intro To Psychology	3
<b>Total Hours</b>	<b>10</b>

## HDFS Major Requirements

Code and Title	Hours
HD 202 Child Dev-Infancy/Todlr	3
HD 205 Early and Middle Child Dev	3
HD 302 Child Dev-Adolescence	3
HD 382 Parent And Family Devt	3
Select one of the following:	3
HD 220 Research & Critical Thinking	
PY 211 Elem Statistical Methods	
BER 345 Educational Statistics	
HD courses at 300-400 level.	15
HD courses at 100-400 level or department approved electives.	12
<b>Total Hours</b>	<b>42</b>

The HDFS Major with no concentration, offering the greatest flexibility in upper-level coursework and not requiring an internship, is especially

appropriate students who would like to pursue advanced coursework in preparation for professional degrees, such as medical school.

Adding a concentration to the HDFS major specifies the 27 credit hours of HD and other approved electives. Concentrations also include internship requirements to prepare students for professional roles.

HES 310 Prof & Multidisc Collab is a required ancillary course.

## Concentrations

### Concentration in Adolescence and Youth Development

Code and Title	Hours
<b>Required Courses</b>	
HD 325 Probs Child/Adol	3
HD 462 Interpersonal Relationships	3
HD 472 Program Evaluation	3
HD 475 Human Sexuality Sex Education	3
HD 498 Adolescent Youth Devel Intern	6
CJ 240 or SW 208 Juvenile Delinquency	3
HHE 378 Drugs, Society, & Human Behav	3
PY 372 Social Psychology	3
<b>Total Hours</b>	<b>27</b>

Each student completing the adolescence and youth development concentration must have a grade point average of 2.0 or above in HD and UA coursework before enrolling in Adolescent Youth Devel Intern (HD 498). Many internship opportunities require a cumulative GPA of at least 2.5. Students should contact the internship coordinator for further information.

### Concentration in Family Life Education and Advocacy

Code and Title	Hours
<b>Required Courses</b>	
CSM 201 Indiv Family Resourc Mgt	3
HD 262 Marriage And Family	3
HD 462 Interpersonal Relationships	3
HD 472 Program Evaluation	3
HD 475 Human Sexuality Sex Education	3
HD 483 Methods Family Life Education	3
HD 497 Family Life Ed Adv Internship	6
CSM 430 Family & Consumer Law	3
<b>Total Hours</b>	<b>27</b>

Each student completing the family life education and advocacy concentration must have a cumulative grade point average of 2.0 or higher in both HD and UA coursework before enrolling in HD 497 Family Life Education and Advocacy Internship. Most internship opportunities require a minimum cumulative and HD GPA of 2.5. Students should contact the internship coordinator for further information.

### Concentration in Child Life

Students are required to apply for the program, subject to satisfactory recommendation by HD faculty committee. Application requirements can be found on the department's website.

Code and Title	Hours
<b>Required Courses</b>	
HD 203 Medical Terminology	2

HD 226	Introduction To Child Life	3
HD 326	Play in Child Development	3
HD 401	Cult Influ Child Yth Fam	3
HD 426	Hospitalized Child Youth	3
HD 451	Loss And Bereavement	3
HD 472	Program Evaluation	3
HD 496	Child Life Internship	12
PHL 223	Medical Ethics	3
BSC 215	Human Anatomy & Physiology I	0 or 4
BSC 216	Human Anatomy & Physiology II	4

**Total Hours** **39-43**

## Types of Jobs Accepted

HDFS graduates often pursue graduate study at UA or other prominent universities, or they develop careers in various settings for children, youth, and adults. Most importantly, HDFS graduates work in rewarding careers ultimately improving the quality of life for individuals and families.

Family studies graduates find jobs as family relationships/parenting educators in businesses, mental health agencies, and community or church-related programs. Child life graduates work in hospitals, outpatient clinics, and large pediatric practices. Adolescence and youth graduates work in private clinics, human service organizations, community-sponsored programs or with youth groups in churches, synagogues, and other privately funded organizations.

## Jobs of Experienced Alumni

Teachers, administrators, community service providers, social services representative, travel agent, teen mom program director, child life specialist in a research hospital, adult or child daycare provider, consumer protection agent, business manager, writer/editor of children's books, parent counselor, hospice manager, State Department of Education staff member, women's protective agency, State Department of Human Resources staff member, and State Department of Children's Affairs staff member and child/family advocate.

Learn more about opportunities in this field at the Career Center

## Human Development and Family Studies, Minor

Admission into the Minor

Students who choose to declare a minor must meet with an advisor in the minor department. Students should complete the Change of Major/Minor Application online under the Student tab of myBama before or during the third year of full-time enrollment. A minor in human development and family studies is available to students outside of the majors in human development and family studies or early childhood education.

Code and Title	Hours	
<b>Minor Courses</b>		
HD 202	Child Dev-Infancy/Todlr	3
HD 205	Early and Middle Child Dev	3
HD 302	Child Dev-Adolescence	3
HD 382	Parent And Family Devt	3
HD 462	Interpersonal Relationships	3

Select three hours of HD elective 300 or 400 level 3

**Total Hours** **18**

## Grade Point Average

A 2.0 grade point average in the minor is required for completion of the degree. The minor GPA is calculated based on all courses applicable to the minor the student has attempted at UA. Please see the Grades and Grade Points (p. 360) section of this catalog for an explanation on grade point average calculations.

## Upper-level Residency

A minimum of six hours of 300- and 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements. Students are not permitted to count the same required course towards completion of a major or second minor within the Department of Human Development and Family Studies. A minor in human development and family studies is available to students outside of the majors in human development and family studies or early childhood education.

## Department of Human Nutrition and Hospitality Management

It is important for students to obtain the list of specific courses to be taken each semester from the department. Many of the courses in the major must be taken in a prescribed sequence, and most are offered only once each year.

- Majors
  - Food and Nutrition (BS) (p. 711)
  - Hospitality Management (BS) (p. 713)
- Minor
  - Food and Nutrition (p. 713)

## The University Club

On April 1, 2012 the College of Human Environmental Sciences assumed the day-to-day leadership and management functions of The University Club, located on Queen City Avenue near downtown Tuscaloosa. Students in the restaurant, hotel, and meetings management program rotate through the club to gain "real world, hands-on" experiences. Students taking RHM 375, Managing Catering Operations, have the opportunity to host catered events at The University Club in both fall and spring semesters. Student learning is enhanced with opportunities to acquire knowledge in the classroom and apply that knowledge in a living laboratory.

The University Club was built on land reserved in 1819 by the Congress of the United States as part of a donation to endow "a seminary of learning" for the state of Alabama. In 1834 the current home was constructed by James Dearing, a steamboat captain and member of the Alabama Legislature. The home was occupied by Governor Arthur P. Bagby from

1834-1841 while he was governor of Alabama. The home was presented to The University of Alabama in 1944 by the Herbert David Warner and Mildred Westervelt Warner family to be used as a social center for faculty and staff.

#### Chair

- Kristi Crowe-White

#### Professors

- Knol, Linda
- Lawrence, Jeannine
- Severt, Kimberly

#### Associate Professors

- Crowe-White, Kristi
- Ellis, Amy
- Jung, Seung Eun
- Lewis, Melvin
- Molaison, Elaine
- Shin, Yeon Ho
- Tan, Libo

#### Assistant Professors

- Azarmanesh, Deniz
- Azrad, Maria
- Blakey, Carla
- Bopp, Trevor
- Boyle, Kimberly
- Byun, Jinsu
- Douglas, Joy
- Hylton, Tiffany
- Kim, Haemi
- Kong, Lingyan
- Niu, Alvin
- Park, Han-A
- Stran, Kimberly

#### Instructors

- Blumenthal, Jason
- DeSalvo, Denise
- Greene, Lori
- McMahon, Shannon
- Milstead, Sarah "Morgan"
- Reynolds, Lesley

#### University Club

- Dean, Angelique
- Stroud, Matthew

#### NHM101 Intro Human Nutrition

Hours 3

Introduction to principles of the science of nutrition, with implications for and applications to food selection for individuals of all ages.

#### RHM175 Introduction to Hospitality Management

Hours 3

Introduction to the opportunities, theory, functions, and principles of management in the food service, meeting and events, and lodging industry. Examination of basic operational systems and problems related to the industry.

[View All Courses](#)

#### Faculty

##### Chair

Kristi Crowe-White

##### Professors

Knol, Linda

Lawrence, Jeannine

Severt, Kimberly

##### Associate Professors

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Ellis, Amy

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Milstead, Sarah "Morgan"

Reynolds, Lesley

##### University Club

Dean, Angelique

Stroud, Matthew

## Food and Nutrition, BS

Food and nutrition students typically have an aptitude for science, a concern for people, the ability to plan and direct programs, and a strong interest in food, nutrition, and health.

Office: 403 Russell Hall

The curriculum of the food and nutrition major is designed to prepare students for careers in health care facilities, community-health-nutrition programs, food-service management, and business. The major offers two routes to registration as a dietitian: a didactic program in dietetics (DPD) and a coordinated program in dietetics (CPD), both of which are accredited by the Accreditation Council for Education in Nutrition and Dietetics. The DPD prepares students to apply for dietetic internships in order to be eligible to take the registration examination for dietitians. Students who complete the CPD are eligible to take the registration examination after graduation. A third option, the nutrition sciences concentration, is designed for students who plan to attend medical school or other advanced health professions program.

Students who have completed 90 hours of undergraduate work with a 3.3GPA overall are eligible to apply to the Accelerated Master's Program (AMP). If accepted, then up to 15 graduate credit hours of the 30 hour Master's program could be taken as cross-listed courses or would substitute for required undergraduate coursework while finishing the undergraduate degree. Any coursework taken in this manner would apply toward both the undergraduate degree and a master's degree at The University of Alabama.

*Effective January 1, 2024, the Commission on Dietetic Registration (CDR) will require a minimum of a master's degree to be eligible to take the credentialing exam to become a registered dietitian nutritionist (RDN). In order to be approved for registration examination eligibility with a bachelor's degree, an individual must meet all eligibility requirements and be submitted into CDR's Registration Eligibility Processing System (REPS) before 12:00 midnight Central Time, December 31, 2023. For more information about this requirement visit CDR's website: <https://www.cdrnet.org/graduatedegree>. In addition, CDR requires that individuals complete coursework and supervised practice in program(s) accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). Graduates who successfully complete the ACEND-accredited Coordinated Program or the Graduate Dietitian Program (beginning in Fall 2023) at The University of Alabama are eligible to apply to take the CDR credentialing exam to become an RDN.*

*In most states, graduates also must obtain licensure or certification to practice. For more information about state licensure requirements click here.*

*For more information about educational pathways to become a RDN click here.*

All students in the coordinated or didactic program in dietetics follow the same plan of study for the first 66 or 68 hours. In the fall semester of the junior year, students either apply to the coordinated program or the didactic program focused areas of study. Regardless of the focused area chosen, all students complete the required courses listed below.

Code and Title	Hours
<b>Required Courses</b>	
BER 345 Educational Statistics	3
BSC 215 Human Anatomy & Physiology I	4
BSC 216 Human Anatomy & Physiology II	4
BSC 242 Microbiology And Man	4

CH 104	Introductory Chemistry	4
CH 105	Introductory Org Chem	4
HES 100 or HES 103	Freshman Compass Human Env Sci <sup>1</sup> Distance Compass HES	3
NHM 101 or NHM 102	Intro Human Nutrition Honors Intro to Nutrition	3
NHM 195	Intro Dietetics Nutrition	1
NHM 201	Nutrition In Life Cycle	3
NHM 253	Food Science	3
NHM 295	Intro Research Food Nutr	1
NHM 340	Community Nutrition	3
NHM 345	Nutrition Counseling	3
NHM 346	Nutrition Ed Theories and Prac	3
NHM 361	Nutritional Biochemistry	3
NHM 362	Nutrition At Cell Level	3
NHM 363	Applied Nutrition	3
NHM 365	Med Nutr Therapy I	3
NHM 372	Intro Food Service Mgt	3
NHM 373	Purchsg Design Risk Mgt Food S	3
NHM 374	Quant Food Prod & Servc	3
NHM 454	Experimental & Functional Food	3
NHM 465	Medical Nutrition Therapy II	3
NHM 475	Mgt Food Service Systems	3
NHM 491	Directed Professional Study	3
PY 101	Intro To Psychology	3
<b>Total Hours</b>		<b>82</b>

### Footnotes

<sup>1</sup> HES 103 Distance Compass HES is for Distance Learning Students Only. It is not required for transfer students.

## Focused Areas of Study

### Coordinated Program in Dietetics

The coordinated program in dietetics (CPD) provides students with both the required knowledge and supervised practice experiences to be eligible to sit for the national examination to become a registered dietitian (RD). The University of Alabama CPD provides a concentration and culminating experience in dietetics management and communication. Students in the CPD take the courses required of all food and nutrition majors plus an additional seven courses (17 hours) in which they apply the theories presented in these courses through experiences in food service and health care facilities, as well as health promotion programs. Students interested in completing the CPD should apply at the beginning of the junior year during the fall admission period. A second opportunity for admission is available at the end of the junior year during the spring admission period. Application forms are available from the department. Admission to the CPD is limited. Applications will be reviewed and recommended by the committee on admissions of the Department of Human Nutrition and Hospitality Management. Criteria for admission include the following:

- The student must present a cumulative grade point average of at least 3.0 and must have completed the following courses:

Code and Title	Hours
BSC 215 Human Anatomy & Physiology I	4
BSC 216 Human Anatomy & Physiology II	4

CH 104	Introductory Chemistry	4
CH 105	Introductory Org Chem	4
EN 101	English Composition	3
EN 102	English Composition	3
NHM 101	Intro Human Nutrition	3
NHM 195	Intro Dietetics Nutrition	1
NHM 201	Nutrition In Life Cycle	3
NHM 253	Food Science	3
<b>Total Hours</b>		<b>32</b>

- A pretest covering material from the above prerequisite courses is part of the admission process. The score on the pretest is considered by the committee on admissions.
- Please see the Director of the Coordinated Program in Dietetics for more information regarding admission requirements to the CPD, as the requirements may change in order to maintain accreditation and registration eligibility requirements.
- Please refer to the current CPD handbook for CPD continuation and completion policies.

Students who choose the coordinated program in dietetics must also take:

Code and Title	Hours	
NHM 366	Supv Pract Med Nutr Therapy I	3
NHM 390	Pract Food Service Mgt I	3
NHM 464	Superv Pract Commun Nutr	1
NHM 466	Sup Pract Med Nutr Therapy II	3
NHM 467	Sup Prac Longterm Care	3
NHM 476	Pract Food Serv Mgt II	2
NHM 485	Sup Prac in Dic Mgmt	3
<b>Total Hours</b>		<b>18</b>

### Didactic Program in Dietetics

The didactic program in dietetics (DPD) provides students with the required knowledge to apply for a dietetic internship. Upon successful completion of the DPD, students receive a verification statement indicating that they are eligible to enter a dietetic internship. Students in the DPD take the courses required of all food and nutrition majors plus NHM 492 Prepare Dietetic Internship (offered on campus only).

To enter the Didactic Program in Dietetics (DPD) a student must:

- Have completed a minimum of 60 semester hours including:

Code and Title	Hours	
NHM 101	Intro Human Nutrition	3
NHM 195	Intro Dietetics Nutrition	1
NHM 201	Nutrition In Life Cycle	3
NHM 253	Food Science	3
CH 104	Introductory Chemistry	4
CH 105	Introductory Org Chem	4
BSC 215	Human Anatomy & Physiology I	4
BSC 216	Human Anatomy & Physiology II	4
<b>Total Hours</b>		<b>26</b>

- Earn a minimum of **C** - in the following courses: BSC 215 Human Anatomy & Physiology I, BSC 216 Human Anatomy & Physiology II and BSC 242 Microbiology And Man; CH 104 Introductory

Chemistry and CH 105 Introductory Org ChemPY 101 Intro To Psychology.

- Earn a minimum of **B**- in all "*NHM* designated" courses including BER 345 Educational Statistics or equivalent.
- Have an overall GPA of 3.0 or higher.
- Submit official transcripts of all work taken at another institution to the DPD Director.
- Submit a completed "*DPD Admission Petition Form*":
  - for **On-campus students** to the DPD Director (at 424 Russell Hall)
  - for **Distance students** to the student's Academic Advisor, mail to: P.O. Box 870311, Tuscaloosa, AL 35487-0311)

**To complete and meet all DPD requirements and receive a Verification Statement, a student:**

- must maintain a *Food and Nutrition* GPA of 3.0 or higher.
- must earn a minimum of **C** - in the following DPD Science courses: BSC 215 Human Anatomy & Physiology I, BSC 216 Human Anatomy & Physiology II and BSC 242 Microbiology And Man; CH 104 Introductory Chemistry and CH 105 Introductory Org ChemPY 101 Intro To Psychology;
- must earn a minimum of **B**- or higher in all DPD Professional courses (NHM designated and BER 345 Educational Statistics or equivalent).
- must complete the courses required for the DPD, and/or complete a bachelor's degree
- must complete 24 credit hours of DPD courses including the DPD Capstone courses (NHM 340, NHM 465, and NHM 475) from The University of Alabama

## Additional Courses Typically Required for Premedical Education

Please consult with the Health Professions Advising Office in the College of Arts and Sciences for program-specific coursework required.

Code and Title	Hours	
BSC 114	Principles Of Biology I	4
& BSC 115	and Laboratory Biology I	
BSC 116	Principles Biology II	4
& BSC 117	and Laboratory Biology II	
CH 231	Elem Organic Chemistry I	3
CH 232	Elem Organic Chem II	3
CH 237	Elem Organic Chem Lab	2
MATH 115	Precalc Algebra & Trig	3
MATH 125	Calculus I	4
PH 101	General Physics I	4
PH 102	General Physics II	4
<b>Total Hours</b>		<b>31</b>

## Nutrition Sciences Concentration for Food and Nutrition Majors

The nutrition sciences concentration is designed for students planning to attend medical school or other advanced health professions programs and who wish to have a strong foundation in food and nutrition sciences. This concentration does not meet the requirements to become a registered dietitian. Students who choose to meet both the requirements for medical school/an advanced health professions program and for registration as a dietitian should work with an adviser to add the necessary courses to this curriculum. Applications to medical school



or advanced health professional programs should be completed approximately one year prior to the expected date of enrollment. Students should coordinate those applications through the Health Professions Advising Office in the College of Arts and Sciences.

Code and Title	Hours
BSC 215 Human Anatomy & Physiology I	4
BSC 216 Human Anatomy & Physiology II	4
CH 101 or CH 104 General Chemistry Introductory Chemistry	4
CH 102 or CH 105 General Chemistry Introductory Org Chem	4
NHM 101 Intro Human Nutrition	3
NHM 195 Intro Dietetics Nutrition	1
NHM 201 Nutrition In Life Cycle	3
NHM 295 Intro Research Food Nutr	1
NHM 340 Community Nutrition	3
NHM 345 Nutrition Counseling	3
NHM 346 Nutrition Ed Theories and Prac	3
NHM 361 Nutritional Biochemistry	3
NHM 362 Nutrition At Cell Level	3
NHM 363 Applied Nutrition	3
NHM 365 Med Nutr Therapy I	3
NHM 454 Experimental & Functional Food	3
NHM 465 Medical Nutrition Therapy II	3
NHM 491 Directed Professional Study	3
PY 101 Intro To Psychology	3
<b>Total Hours</b>	<b>57</b>

Clinical nutrition in the hospital and long-term care settings, Department of Public Health, private consulting businesses and industries, performance nutrition, the Child Nutrition Program in elementary through high school, food service management, food sales, and food service equipment sales.

## Types of Jobs Accepted

Our graduates accept positions such as clinical nutrition manager, certified nutrition support specialist (CNSS), board certified specialist in sports dietetics (CSSD), child nutrition specialist, lactation consultant.

## Jobs of Experienced Alumni

Our alumni serve in positions such as a Food Editor at myRecipes.com, Founder of Computrition and focusGreen, Regional Manager for Frito-Lay Corporation, and Account Manager at Nestle Corporation.

Learn more about opportunities in this field at the Career Center

## Food and Nutrition, Minor

Office: 403 Russell Hall

## Admission into the Minor

A minor in food and nutrition is offered by the department and requires 18 hours, including NHM 101 Intro Human Nutrition and NHM 201 Nutrition In Life Cycle. The remaining hours are determined in consultation with an academic advisor. To fulfill natural science requirements, students are encouraged to take introductory chemistry and introductory organic chemistry.

Students are expected to formally declare a minor. With the assistance of an advisor in the minor department, students should complete the Major/Minor Application online under the Student tab of myBama before or during the third year of full-time enrollment.

Code and Title	Hours
<b>Minor Courses</b>	
NHM 101 Intro Human Nutrition	3
NHM 201 Nutrition In Life Cycle	3
Select three hours of NHM elective (200-400 level)	3
Select nine hours of NHM electives (300 or 400 level)	9
<b>Total Hours</b>	<b>18</b>

## Suggested Courses

Code and Title	Hours
NHM 210 Dynamics Weight Control	3
NHM 250 Principles of Food Preparation	3
NHM 305 Vegetarian Nutrition	3
NHM 315 Nutrition For Performance	3
NHM 320 Food in Film	3
NHM 361 Nutritional Biochemistry	3
NHM 362 Nutrition At Cell Level	3
NHM 372 Intro Food Service Mgt	3
NHM 373 Purchsg Design Risk Mgt Food S	3
NHM 401 Nutrition Health Profesn	3

## Grade Point Average

A 2.0 grade point average in the minor is required for completion of the degree. The minor GPA is calculated based on all courses applicable to the minor that the student has attempted at UA.

## Upper-level Residency

A minimum of six hours of 300- or 400-level courses in the minor must be earned on this campus.

## Ancillary Courses

This minor does not require ancillary courses.

## Additional Minor Requirements

Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be cleared for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

## Hospitality Management, BS

Students selecting a hospitality management career generally thrive in an environment of assistance to others, personal accountability, and nontraditional work hours. The industry is ideal for individuals who are interested in customer service, travel, and seeking opportunities for quick advancement within an organization. Ability to work with diverse personalities, solve conflicts, and provide innovative leadership are key to a graduate's success.

Office: 470 Russell Hall

The Hospitality Management curriculum offers a variety of courses designed to develop the skills and abilities required for a management career in the hospitality industry. The curriculum prepares students for a career in restaurant, commercial, and institutional food-service operations; hotel and lodging operations and management; and/or convention, meetings, sports, and event marketing and management.

Students must complete a 500-hour work internship in a hospitality organization. Students select a concentration in one of the following:

- Restaurant/Food and Beverage Management
- Hotel/Lodging
- Meetings and Events
- Sport, Entertainment and Event Management

The Hospitality Management curriculum is designed for students to earn a number of certificates/certifications throughout the program. Students may complete requirements for the Manage First Professional (MFP) certification available from the Educational Foundation of the National Restaurant Association, the Certification in Hotel Industry Analytics (CHIA) available from the Educational Institute of the American Hotel and Lodging Association, Social Tables Event Professional Program (CSTEP), and the Cvent student certification. Completion of these certifications increase student's marketability in the job market.

The hospitality management major is offered through the traditional on-campus setting (all concentrations) or via distance education with no concentration. Students who have completed 90 hours of undergraduate work with a 3.3 GPA overall are eligible to apply to the Accelerated Master's Program (AMP). If accepted, then up to 15 graduate credit hours of the 30 hour master's program could be taken as cross-listed courses or would substitute for required undergraduate coursework while finishing the undergraduate degree. Any coursework taken in this manner would apply towards both the undergraduate degree and a master's degree at The University of Alabama.

## Campus Education Hospitality Management Curriculum

Students must file a plan of study for their concentration with the department office within the first semester of the sophomore year. The plan of study must be approved by the student's academic advisor. Students choosing a concentration in restaurant/food and beverage, hotel/lodging, meetings/event, or sport/entertainment must take the required classes mandated by their chosen concentration.

## Distance Education Hospitality Management Program

Students completing the Hospitality Management program via distance education must complete the Hospitality Management Core Courses and additional courses to meet the 120 hours requirement. The student's academic advisor will assist in selecting appropriate online courses to fulfill academic requirements. Students may fulfill degree requirements for the Hospitality Management major entirely online.

Hospitality Management		Hours
Required Courses		
RHM 175	Intro to Hospitality Mgt	3
RHM 241	Mgt Of Food/Beverage Operation	3
NHM 250	Principles of Food Preparation	3
RHM 251	Hospitality Employee Suprv/Mgt	3
RHM 303	Managing Qual in Hosp Industry	3

RHM 420 or RHM 370	Hospitality Marketing Event Marketing	3
RHM 321	Tourism & Hospitality Industry	3
RHM 421	Hospitality Law	3
RHM 469	Internship Hospitality Managem	1
RHM 470	Hospitality Computer Systems	3
RHM 474	Mangr Acct Hospitality Industr	3
RHM 496	RHM Senior Capstone Seminar	1
Hospitality Management concentration courses		12-18
Hospitality Management (RHM) or other electives to meet the 120 hour requirement		9-15

**Total Hours 53-65**

Distance Hospitality Management Program		Hours
RHM 175	Intro to Hospitality Mgt	3
RHM 185	Intro Events & Enter	3
RHM 235	Intro Sport Industry	3
RHM 241	Mgt Of Food/Beverage Operation	3
NHM 250	Principles of Food Preparation	3
RHM 251	Hospitality Employee Suprv/Mgt	3
RHM 303	Managing Qual in Hosp Industry	3
RHM 321	Tourism & Hospitality Industry	3
RHM 325	Lodging Operations & Managemnt	3
RHM 340	Sustainable Tourism	3
RHM 341	Catering Mgt and Quantity Food	3
RHM 420	Hospitality Marketing	3
RHM 421	Hospitality Law	3
RHM 469	Internship Hospitality Managem	1
RHM 470	Hospitality Computer Systems	3
RHM 474	Mangr Acct Hospitality Industr	3
RHM 479	Hotel Sales and Event Services	3
RHM 496	RHM Senior Capstone Seminar	1

**Total Hours 50**

## Food and Beverage Management Concentration

Code and Title	Hours	
RHM 378 or RHM 375	F&B for Hotels and Events Managing Catering Operations	3
RHM 420	Hospitality Marketing	3
RHM 465	Food And Beverage Controls	3
RHM 478	Mgt Service Food Bev Operation	3

**Total Hours 12**

## Hotel/Lodging Concentration

Code and Title	Hours	
RHM 325	Lodging Operations & Managemnt	3
RHM 340	Sustainable Tourism	3
RHM 378	F&B for Hotels and Events	3
RHM 450	Issues Hotel & Lodg. Mgmt.	3
RHM 479	Hotel Sales and Event Services	3

**Total Hours 15**

## Meetings and Events Concentration

Code and Title	Hours
RHM 185 Intro Events & Enter	3
RHM 370 Event Marketing	3
RHM 380 Corporate Events	3
RHM 425 Risk Mgmt. Mtgs. & Evts.	3
RHM 479 Hotel Sales and Event Services	3
RHM 480 Adv Meeting & Convention Mgt	3
<b>Total Hours</b>	<b>18</b>

## Sport and Entertainment Event Management Concentration

Code and Title	Hours
RHM 235 Intro Sport Industry	3
RHM 335 Sport Tourism	3
RHM 313 Contemporary Club Management	3
RHM 337 Sport and Entertain Venue Mgt.	3
RHM 338 Sport Mktng and Promotion	3
RHM 436 Curr Trends Sport Mgmt Ent	3
<b>Total Hours</b>	<b>18</b>

Graduates are employed in sporting event facilities, destination management companies, hotels and lodging properties, restaurants, catering operations, and private and public clubs. Graduates generally enter the field as management trainees, assistant managers, or supervisors. The potential for quick advancement is excellent for dedicated individuals.

## Types of Jobs Accepted

Event/conference coordinator, sport travel coordinator, facility manager front desk supervisor, assistant manager, food and beverage supervisor, catering operations manager, restaurant owner, guest service agent, restaurant manager, marketing and social media manager, special events and sporting events coordinator.

## Jobs of Experienced Alumni

The hospitality industry offers many opportunities for growth and advancement based on individual performance and achievement. It is not unusual for students to be promoted into higher level positions within one to two years after graduation.

Learn more about opportunities in this field at the Career Center

## Human Environmental Sciences, BS

Students with specific career goals have an opportunity to develop an innovative program of study with a focus on at least one of the following areas: clothing, textiles and interior design; consumer sciences; health science; human development and family studies, and human nutrition & hospitality management. Most students drawn to human environmental sciences share the goal of improving the quality of life of individuals, families and communities.

The curriculum in human environmental sciences enables students to integrate knowledge from all areas of the field and prepares them for employment or further study. This program is designed for those interested in careers in cooperative extension, government, human services, non-profit and non-governmental organizations or an area of

the communications field. Courses are selected in consultation with an advisor.

The purpose of this program is to give the student with specific career goals an opportunity to develop an innovative program of study with a focus on at least one area within the College. Each student majoring in human environmental sciences is expected to file a program of study prior to the completion of 100 hours and in accordance with the following guidelines:

- The proposed course of study must include 120 hours (including the statewide general studies requirements), The University of Alabama Core Curriculum requirements, and the College of Human Environmental Sciences core requirements.
- The proposed course of study must give evidence that the student has built a cohesive structure of interrelated ideas around a focus within the College of Human Environmental Sciences. It must include a minimum of 35 hours of coursework offered by the College of Human Environmental Sciences, 15 of which must be at the 300- or 400-level.
- The proposal must demonstrate that the proposed program could not be better served by an existing major program within the College.
- At the time of submission, the proposal must include a statement of approval by a faculty advisor chosen from the area of focus.
- The proposal must indicate that the student has examined the consequences of the proposed program in relation to career goals and post-graduation plans.
- All exceptions must be approved by the department chair.

The minimum requirements for a degree in the Human Environmental Sciences major at The University of Alabama include:

- An approved program of study prior to the completion of 100 hours and in accordance with the HES guidelines and courses selected in consultation with the student's adviser
- A minimum of 120 earned semester credit hours, including all University Core Curriculum requirements and a minimum of 30 hours of coursework in disciplines offered by the College of Human Environmental Sciences. This must include college-specific core courses (HES 310 Issues in Human Environmental Sciences for all students and HES 100 Freshman Compass Human Environmental Sciences for new freshmen on campus OR HES 103 Distance Compass HES for new online students) and 12 hours of 300-400 level courses, including HES 485 and HES 490.
- A 2.0 or higher grade point average for all college-level courses attempted, all courses attempted at The University of Alabama and all courses attempted in the major field of study

It is the student's responsibility to make sure that all degree requirements have been met. Students should review the academic requirements of this catalog and under DegreeWorks through their myBama account. They must meet with their academic advisers within the college two semesters before graduation to verify that all requirements will have been fulfilled by the expected date of graduation. In order to graduate, a student must submit an application for degree, using the online application for degree available through myBama no later than the time he or she registers for their final semester at UA.

The major in human environmental sciences is designed for those interested in careers that combine two or more areas in HES. Courses are selected in consultation with an adviser in Student Services in HES. The purpose of this program is to give the student with specific career goals

an opportunity to develop an innovative program of study with a focus on at least one area within the College.

## Types of Jobs Accepted

Graduates are employed with large multi-national organizations, agencies with a social focus and as entrepreneurs.

Learn more about opportunities in this field at the Career Center

### Faculty

#### Chair

Deidre Leaver-Dunn

#### Assistant Professors

Wanda Burton

Amanda Wilkerson

#### Instructor

Michelle Harcrow

## Capstone College of Nursing

The Capstone College of Nursing (CCN) awards the degree of Bachelor of Science in Nursing (BSN).

- Majors
  - Nursing, BSN (p. 723)
  - Nursing, RN to BSN (p. 722)

## Standards of Conduct

The nursing student shall comply with legal, moral and legislative standards that determine unacceptable behavior of the nurse and that may be cause for denial of a license to practice as a registered nurse in accordance with Alabama law as stated below.

"The board shall have the power to deny, revoke or suspend any license issued by it or to otherwise discipline a licensee upon proof that he or she is guilty of fraud or deceit in procuring or attempting to procure a license; has been convicted of a felony; is guilty of a crime involving moral turpitude or of gross immorality that would tend to bring reproach upon the nursing profession; is unfit or incompetent due to personal habits; is habitually intemperate due to the use of alcohol or is addicted to the use of habit-forming drugs to such an extent as to render him or her unsafe or unreliable as a licensee; has been convicted of any violation of a federal or state law relating to controlled substances; is mentally incompetent; is guilty of unprofessional conduct of a character likely to deceive, defraud or injure the public in matters pertaining to health; or has willfully or repeatedly violated any of the provisions of this article as defined by board rules and regulations." (Alabama Board of Nursing Administrative Code, September 1997)

Failure to comply with any of the above stipulations while in the nursing program constitutes grounds for dismissal from the program.

It is important for nursing students to know about the Alabama Board of Nursing's regulations governing review of candidates for initial and continuing licensure eligibility. There will be questions on the application to take the examination for licensure as a registered nurse that ask, "Have you ever been arrested for or convicted of a criminal offense?" and, "Have you ever been arrested for or convicted of driving under the influence of drugs/alcohol?" Application to take the examination may be denied on the basis of this review. Although these policies apply specifically in Alabama, other states have similar stipulations for licensure.

## Essential Skills and Behaviors

See the Promotion Policies section of this catalog under Admission Requirements (p. 719) to the Capstone College of Nursing.

## Hours and Grade Points

The student must complete a minimum of 126 hours<sup>1</sup> of academic credit approved by the Capstone College of Nursing to meet the requirements for the degree of bachelor of science in nursing. Additional courses may be necessary for students to meet the University Core Curriculum requirements.

All coursework leading to the BSN degree, including electives, requires a minimum grade of C-.

### Footnotes

<sup>1</sup> Any reference to hours indicates semester hours unless otherwise noted.

## Attendance

Students are expected to attend all course activities including classes, seminars, conferences, laboratories, and clinical learning experiences. PRIOR to an absence, students are required to contact course leader when absences are necessitated. Classroom absences due to illness require students to submit a physician signed medical excuse within 48 hours of the absence.

Faculty reserve the right to require make-up work for any course related absence, whether excused or unexcused. Each unexcused absence will result in a one point deduction per occurrence from the student's final grade.

Should absences from a clinical learning experience be emergent/ necessary, students are required to notify the course leader and clinical faculty. When applicable, students should contact the designated contact person in the clinical agency. Missed clinical learning experiences will be made up at a date and time designated by course faculty.

Students are encouraged to contact the faculty member directly in the event of absence.

## Clinical Nursing Courses

The laboratory experiences in the upper division courses are very time-intensive. Consequently, most clinical courses are allocated 4-9 semester hours of credit. Students enrolled in clinical nursing courses engage in traditional classroom learning activities and in clinical laboratory experiences in which they provide care to clients in a variety of health care settings.

## Health Requirements

All health requirements are maintained through an online immunization and record tracking vendor and monitored by the Office of Undergraduate Programs.

1. Upon promotion to the upper division, nursing students are required to submit to a drug screen and background check.
2. Promotion to the upper division will be withdrawn for students who:
  1. do not meet the drug screen and background check prior to upper division orientation.
  2. refuse to submit to the background check or drug screen; and/or
  3. have been convicted of or have a pending charge that would not be acceptable for clinical practice or have a positive drug screen.

3. Five forms are distributed to students during upper division orientation:

1. Health and Physical Exam Form
2. Immunization Form requiring verification of completed Tetanus, Meningococcal, Polio, Varicella, MMR, Hepatitis B and negative two-step TB skin test or IGRA blood test
3. Respirator Medical Evaluation Questionnaire
4. Substance Abuse Policy (Attachments A and B signed and witnessed during upper division orientation)
5. Academic Dishonesty Policy

4. Students must submit all documentation through the online immunization and record tracking system by the posted deadline which will be announced in upper division orientation.

5. In addition to above forms, student must also complete/submit the following requirements in the online immunization and record tracking system:

1. Health and Physical Exam Form
2. Immunization Form requiring verification of completed immunizations and negative two-step TB skin test
3. HIPAA Privacy and Security Training Certification and Acknowledgement
4. Student OSHA Training Acknowledgement
5. Acknowledgement of review of BSN Undergraduate Catalog
6. Copy of current medical insurance card (front and back)
7. Copy of current CPR certification\*

6. Students will be allowed to continue in nursing courses only if all mandatory requirements are completed and received by the posted due date. Failure to provide the required documentation by the due date will result in the student being administratively withdrawn from all nursing courses.

7. Annual renewal is required for:

- a. Drug screen and background check
- b. Health and Physical Exam Form (Statement of Health Status)
- c. TB skin test
- d. HIPAA Privacy and Security Training Certification and Acknowledgement
- e. Student OSHA Training Acknowledgement
- f. Acknowledgement of review of BSN Undergraduate Catalog
- g. Flu vaccine (due in fall)
- h. Copy of current CPR certification\*

8. Students can only go to clinical when when all health requirements are met.

\* The American Heart Association's **CPR Certification for BLS Providers** is required for all clinical courses. Certification must be renewed **annually** and must be effective through the entire semester in which a student is enrolled in a clinical nursing course. Online certification will **NOT** be accepted.

## Immunizations

### • Measles, German Measles, Mumps Vaccines

The University of Alabama requires documentation of immunity of Measles Mumps Rubella (MMR) for all students. Please refer to the University of Alabama's Health Requirement for Registration Policy for specifics.

### • Hepatitis B Vaccine

Prior to beginning the first semester of nursing courses, students must provide proof of immunization for hepatitis B or a hepatitis B titer that shows adequate antibody protection. In the event that a titer is performed and antibodies are insufficient to offer immunity, the complete hepatitis B series is required.

It is highly desirable that the series of 3 injections be completed prior to beginning the upper division. The minimum expectations and proof of immunization injections for hepatitis B are as follows:

- **Injections 1 and 2** – documented on Student Health Form by date specified during Semester I of upper division.
- **Injection 3** – documented either on Student Health Form or by official note from the health care provider who administered the vaccine by the end of Semester II. **FAILURE TO SUBMIT DOCUMENTATION OF THE THIRD INJECTION WILL PROHIBIT ANY FURTHER PROGRESSION IN CLINICAL COURSES IN THE COLLEGE OF NURSING.**

Hepatitis B injections are available from Student Health Center, many County Health Departments in Alabama (but not Tuscaloosa), private physicians, and clinics such as the Capstone Medical Center. Plans for all injections should be discussed with the chosen health care provider. **IT IS THE STUDENT'S RESPONSIBILITY TO PLAN A TIME SCHEDULE WITH THE SELECTED HEALTH CARE PROVIDER TO ASSURE THE COMPLETION OF IMMUNIZATIONS TO COINCIDE WITH THE DATES SPECIFIED.**

Students also are responsible for making all arrangements for receipt of and payment for the vaccine.

### • Tetanus Vaccination (Tdap)

A DPT series and TD/Tdap within the past ten years is required, prior to entering the upper division clinical courses.

### • Meningococcal Vaccination

A meningococcal vaccine is required prior to upper division clinical courses.

### • Polio Vaccine and Booster

A polio vaccine series and booster is required prior to upper division clinical courses.

### • Varicella Vaccine

A varicella vaccine series (2 doses) or varicella titer, which shows immunity, is required prior to upper division clinical courses.

### • Flu Vaccine

One dose is required annually, obtained in the fall semester.

## Expenses

### Health Insurance—Variable annual costs

Upon promotion to upper division, students must provide evidence of current/active adequate health insurance to cover long-term and emergency treatment.

### Nursing College Fees

College or course fees are additional charges associated with a student's specific class enrollment for each term. College fees apply to any course offered by a college. **Fees are billed to the student by Student Receivables and rates are subject to change without notice.**

### Infrastructure Fees

Infrastructure fees are used to meet the instructional needs of full access to the technology required by our students, faculty, and staff and provide

a safer campus environment. **Fees are billed to the student by Student Receivables and rates are subject to change without notice.**

#### CPR Certification

Upon promotion to upper division, students are required to submit evidence of American Heart Association's Basic Life Support (BLS) for Healthcare Providers that extends through the entire semester is required before a student begins a clinical nursing course and must be renewed annually. **Fees charged by certifying agencies for initial certification and annual renewal vary and are the responsibility of the student.**

#### TB Test

Upon promotion to upper division, students are required to submit evidence of a two-step tuberculin skin test or IGRA blood test. If either skin test or blood test is positive, an annual negative chest X-ray is required. A one-step TB skin test or IGRA blood test will be required annually after the initial. **Fees charged for the TB test vary by provider and are the responsibility of the student.**

#### Background Check and Drug Screen

Upon promotion to the upper division, students are required to submit to a drug screen and background check and must be renewed annually. **Costs for background check and drug screen are billed directly to the student by CastleBranch.**

#### Health Requirements (plus the cost of immunizations and physical exam)

Upon promotion to upper division, students are required to submit a Nursing Student Health and Physical Exam Form, Nursing Student Immunization Form and Respirator Medical Evaluation Questionnaire completed by a physician or certified registered nurse practitioner. Completed forms are uploaded to the online immunization and record tracking system. Fees charged for the physical, completion of the forms and any needed immunizations vary by provider and are the responsibility of the student. **Costs for immunization and record tracking system is billed directly to the student by CastleBranch.**

#### Clinical Uniforms (plus the cost of shoes and watch)

Upon promotion to upper division, students are required to purchase items comprising the clinical uniform, which have been approved by the College. These items will be used throughout the professional component of the curriculum and include two uniforms purchased from the vendor on contract. The cost of these two uniforms ranges from \$145.00 to \$160.00. A warm-up style lab coat with cuffs, all white leather shoes (sneaker or nursing), and a watch with sweep second hand are also required as well as a polo-type shirt that will be worn with scrub pants in certain clinical situations as specified by course faculty. Approximate cost for the polo is \$37.00 and will be ordered through JNJ Apparel. Approximate cost for the lab coat is \$45.00 and can be purchased from the vendor on contract or any nursing uniform store. Cost of the shoes and watch varies with personal preference.

#### Physical Assessment Equipment

Upon promotion to upper division students must purchase a complete set of physical assessment equipment/supplies. The set includes: stethoscope with bell and diaphragm, percussion hammer, retractable tape measurer, Snellen eye chart, pen light, bandage scissors, clear metric ruler, blood pressure cuff, tuning fork, china marking pen, transparent metric ruler, eye protection glasses, EKG ruler, and digital thermometer. **Assessment Kits are purchased through the University Supply Store.**

#### Mobile Devices and Required Software

In the second semester of Upper Division, students at the Capstone College of Nursing are required to purchase *Davis' Drug Guide* software for their mobile device to be used in their coursework, clinicals and throughout the curriculum.

#### Travel Expenses

Nursing students assume individual responsibility for their transportation to health care agencies. The amount of travel varies with each clinical course, and the cost increases when the students' assignments are in rural areas or outside Tuscaloosa County.

#### Textbooks and Packets

Each nursing course has a listing of required and recommended textbooks. Students are expected to have in their possession all books listed as required, and access to books identified as recommended.

#### Standard Assessment Tests

Proctored standardized tests are required periodically throughout the curriculum. **Examination costs are billed to the student by Student Receivables.**

#### Student Review and Clinical Materials

In order to enhance student outcomes, specialized educational tools and resources are used throughout the curriculum. These include content based assessments, skills improvement & remediation, and live review. In addition, clinical experience plays a key role in any nursing program. The more clinical experience a student has, the better prepared they are to enter the nursing field. Placement shortages, budget cuts and restrictions make clinical hours and experience difficult, leaving students without the training they need. In order to ensure students get the clinical experience they need to develop their clinical judgement, master key nursing skills, learn effective communication and become practice-ready nurses, a suite of nursing tools is required that includes Real Life Clinical Reasoning Scenarios, Video Case Studies and Skills Modules. **Clinical costs are billed to the student directly from Assessment Technologies Institute, LLC.**

#### Graduation Expenses

During the senior year, students need to plan for extra expenses related to graduation and application for the licensure examination for registered nurses. Expenses typically include the following:

- Cap, Gown and Tassel Fee
- Degree Application Fee
- Transcript Requests
- Alabama State Board Application Fee
- *If requesting a temporary permit additional costs apply*
- NCLEX-RN Examination Fee
- Photographs
- Capstone College of Nursing Pin

## Uniform

### The Uniform of the Student of Professional Nursing

"Clothing is a form of nonverbal communication that stimulates judgmental or behavioral responses in others. Our clothing makes it possible for a stranger to categorize us — at least tentatively — and sets the stage for further interaction... Those who wear uniforms are issued a common identity, separating them from others. But uniforms send out a dual message: They are symbols of authority and power and, at the same

time, a sign of reduced individuality – the wearer must act according to the expectations and limitations defined for the group.”

Kalisch, B., & Kalisch, P. (1985). Dressing for success. *American Journal of Nursing*, 85 (8), pp. 887-888.

The CCN student uniform projects an image of professionalism and competence. Students represent nursing, the College, and The University of Alabama to the public when dressed in the student uniform; they, therefore are charged with portraying a positive professional image of nursing.

The student uniform was approved by the students and faculty of the College and is to be worn in its entirety. The uniform is ordered from the College’s specified vendor and is ordered prior to entering upper division clinical nursing courses. There are to be **NO** substitutes for the official uniform. If replacement uniforms are needed, they must be ordered from the vendor. Order forms are available online.

If a student chooses to wear a tee shirt under the college uniform, it must meet the following criteria. The tee shirt must be white, non-transparent, smooth texture with no visible tee-shirt wording, and no visible undergarments. The shirts may be short sleeved or long sleeved.

Jewelry worn with the uniform is limited to a plain band ring, watch, and no more than one set of plain studs in pierced ears. Fingernails must be clean and of medium length. No nail polish is permitted. Hair must be neat and well-groomed, with no hair ornaments except combs or barrettes in neutral colors. Hair should be secured so as not to interfere with client care. No bright, fluorescent or unnatural hair colors. Perfume and excessive makeup must not be worn. Beards and/or mustaches must be clean, well-trimmed and neat, at the faculty’s discretion. Beards and/or mustaches are discouraged in clinical areas where masks are routinely worn. Beards are discouraged in patient care areas requiring N-95 mask fit testing. No visible tattoos and no additional visible body piercing permitted.

Maternity uniforms that closely resemble the official uniform may be worn during pregnancy.

Please Note: The student uniform is worn only for scheduled clinical learning experiences including pre-clinical preparation days at the clinical agency. If a student is employed by a clinical agency, the uniform designated by the agency must be worn (such designation cannot be the student uniform as defined in this policy).

This student uniform policy is reviewed periodically by the Student Life Committee of the College of Nursing, which has student representation.

## Time Limit

If upper-division requirements for the degree have not been completed within five years after initial registration in the Capstone College of Nursing, the student’s academic record will be reviewed to establish appropriate changes or requirements. Any student who has not enrolled in upper-division courses for more than one semester is required to seek approval from the assistant dean of Undergraduate Programs prior to registration to enroll in any subsequent courses. Approval may require repeating courses to ensure that knowledge is current.

## Content Mastery Series

Content Mastery Series (RN Fundamentals, RN Pharmacology, RN Adult Medical Surgical, RN Mental Health, RN Maternal Newborn, RN Nursing Care of Children, RN Nutrition, RN Leadership, RN Community Health, and RN Comprehensive Predictor) are required. With the exception of the Comprehensive Predictor, the minimum performance benchmark for students on all Content Mastery assessments is a Level 2. For the

Comprehensive Predictor, the minimum performance benchmark is 95% probability of passing NCLEX. Students must complete individualized remediation, which will vary based on student’s level of achievement.

## Review Course

All graduating seniors are required to take the review course provided by ATI in preparation for the National Council Licensure Examination (NCLEX).

## Admission to Lower Division

Students are admitted to the lower division of the Capstone College of Nursing when they meet University of Alabama admission requirements. Students are encouraged to acquaint themselves with general academic regulations of the University, as stated under the Admissions (p. 376) section of this catalog. Transfer students are encouraged to seek advisement from the Capstone College of Nursing Office of Nursing Student Services.

## Prerequisites

Many lower division courses have specific prerequisites. See course descriptions for prerequisites or contact the Office of Nursing Student Services for detailed information.

## Promotion to Upper Division

An online application for promotion to the upper division may be accessed at nursing.ua.edu. It is the student’s responsibility to submit an application by the deadline. Applicants for the upper division must be admitted to The University of Alabama prior to accessing and submitting an application for upper division.

## Promotion Policies

To progress to the professional component of the nursing curriculum, a student must possess a functional level of capability to perform the duties required of a professional nurse. These abilities include, but are not limited to:

- Adequate vision such as that required to observe changes in physical conditions, to read small print on labels and laboratory reports, and to discern subtle changes in color
- Adequate hearing such as that required to distinguish muted sounds through a stethoscope
- Fine motor skills and manual dexterity such as those required to handle small, delicate equipment
- Strength such as that required to turn and assist with lifting adults and to lift and carry children
- The mobility to respond quickly to emergency situations
- The ability to engage in two-way conversations and interact effectively with others orally and in writing
- The ability to detect odors
- The ability to consistently and dependably engage in critical thinking to make safe and ethical clinical judgments
- The ability to work for extended periods of time using technology, including computer testing, online course work, smartphone and electronic health records

The faculty of the Capstone College of Nursing has identified the skills and professional behaviors that are essential for the pursuit of a course of study to be eligible to take the National Council Licensure Examination—RN and to practice as a professional nurse. These skills include, but are not limited to, the skills presented in *The Essentials of*

*Baccalaureate Education for Professional Nursing Practice*, a publication of the American Association of Colleges of Nursing. If these skills and professional behaviors cannot be developed by the student, either unassisted or with the dependable use of assistive devices, the faculty reserves the right to dis-enroll the student from clinical courses. A copy of *The Essentials of Baccalaureate Education for Professional Nursing Practice* is available upon request from the College's Office of Academic Programs.

Promotion to the upper division requires successful completion of the lower-division courses designated on the Capstone College of Nursing BSN program of study. Students may apply and be considered for promotion to the upper division during the final lower-division semester if they will have completed all courses prior to the semester for which application to the upper division is made. In such instances, promotion to the upper division may be granted conditionally, pending successful completion of all courses required for promotion. Promotion to the upper division may be withdrawn if the level of academic performance is significantly lower in those courses completed after conditional promotion.

Only those applicants who meet minimum requirements are eligible to apply to the upper division of the Capstone College of Nursing. The minimum grade point averages are at least a 3.0 for the required courses in the lower division and at least a 2.75 for the required science courses. A minimum score of a 75 is also required on the admissions assessment. The Capstone College of Nursing reserves the right to utilize additional criteria in the promotion process.

Spaces in the upper division are limited and meeting minimum admission requirements does not guarantee promotion to the upper division of the nursing curriculum. When the number of students seeking promotion to the upper division exceeds the number of spaces available, the most qualified applicants will be promoted. Those applicants who present the strongest academic records and who show the most promise for success in the upper division will be promoted.

Native UA students are defined as those who have completed 32 or more hours of the required lower-division coursework at UA or through Advanced Placement (AP) or Dual Enrollment courses completed in high school. Transfer students are defined as those students who have completed less than 32 hours of the required lower-division coursework at The University of Alabama. A transfer student may be accepted into the upper division when the academic record, taken as a whole, presents evidence of outstanding academic performance and a strong likelihood of success in the upper division.

Students requesting a transfer to the upper division of the nursing program from another BSN program must follow the promotion policies above.

The Capstone College of Nursing does not accept nursing courses from another BSN program. The number of students promoted each semester is dependent upon available resources; promotion to upper division is competitive. Applications and deadlines for promotion to the upper division may be obtained online at [nursing.ua.edu](http://nursing.ua.edu).

Upon progression to the upper division, permission to depart from the clinical sequence must be obtained from the Associate Dean of Undergraduate Programs. Because of the limitations in clinical course spaces, departure from the sequence for any reason may significantly lengthen the time for program completion.

The academic advisors in the Office of Nursing Student Services assist students regarding academic matters. Students may make an appointment to meet with an academic adviser for academic matters

at any time during the semester. Academic matters include course sequencing, withdrawals, dropping and adding courses, academic progression, registration and academic problems. Faculty mentors are available to advise and mentor students regarding career goals and questions about the nursing field. Students may request a faculty mentor by submitting the faculty mentor request form available at [nursing.ua.edu](http://nursing.ua.edu) to the ONSS.

## Preregistration Advising

### Lower Division

Students must attend a preregistration advising session each semester to be cleared for registration, unless an academic adviser has cleared them during that semester. A student who does not complete a designated advisement session during the scheduled period will be required to register during late registration and pay the associated fee. Information about advising and registration is provided at [nursing.ua.edu](http://nursing.ua.edu).

### Upper Division

Upper Division students participate in a preregistration group advising session facilitated by undergraduate faculty during the designated preregistration advising period in the fall and spring semesters. CCN provides specific information to upper-division students about clinical schedules.

There is no late registration for clinical nursing courses. If extenuating circumstances have made regular registration for clinical courses impossible, approval for late registration in these courses may be requested from the assistant dean of Undergraduate Programs.

#### Administrative Withdrawal from Clinical Nursing Courses

Students' clinical experiences are considered a vital part of learning the practice of professional nursing, and faculty guidance is available in facilitating these learning experiences. As students progress through the program of study, they are expected to increase their abilities to function independently and assume responsibility for their actions. When a student's clinical decision making is deemed by faculty to constitute unsafe or unethical nursing practice, or when there is lack of adherence to established policies and procedures related to professional conduct, the student will receive a failing grade in the course and will be withdrawn from the course and/or suspended from the program. Administrative withdrawal procedures are initiated by faculty through the office of the senior associate dean for Academic Programs. Further progression in the Capstone College of Nursing is determined according to the rules for academic probation and suspension and the availability of space.

## Return to the Undergraduate Nursing Program after a Nonacademic Leave of Absence

Following a nonacademic leave of absence (e.g., military, medical or other) from the Capstone College of Nursing for six or more months, a student's academic record and time elapsed since completing clinical nursing courses will be reviewed by the Associate Dean of Undergraduate Programs to facilitate the student's readiness to re-enter the program.

Individualized plans will be negotiated with the student to facilitate a smooth transition into the program and may include knowledge-refresher activities, either informal or formal independent study.

Components of the refresher plan may include, but are not limited to, the following:



- review of medication calculations and completion of a medication-calculation exam
- review of health-assessment materials, such as videos
- review of appropriate charting and documentation methods
- practice with medication administration, such as PO, IM and IV
- practice with skills such as foley catheter insertion, NG tubes, suctioning, sterile dressing changes, injections and IV insertion
- review of content from an NCLEX Review book of content areas previously completed

This option is offered to facilitate the student's successful re-entry into the BSN program. The student assumes responsibility for his or her learning and is encouraged to seek needed assistance.

#### Auditing Courses

Clinical nursing courses are not open to auditors.

## Inclement Weather

Faculty in the following situations may cancel clinical laboratory experiences:

1. At those times when the Tuscaloosa city or county school systems are closed due to inclement weather conditions
2. At those times when school systems in the same geographic location as the health care agency are closed due to inclement weather

Each faculty member is responsible for evaluating the weather conditions in the geographic area of the clinical site. If a decision is made to cancel the clinical experience, it is the faculty member's responsibility to contact students with all relevant information. All cancelled clinical time will be rescheduled.

Classes located on the University Campus may only be canceled by the President's office. Students should listen to local TV/radio broadcasts for information concerning cancellation of classes.

## BSN Student Affirmation Form

Upper division students are required to sign a CCN BSN Student Affirmation Form each semester. By signing this affirmation, students are committing to maintain professionalism related to HIPAA guidelines, American Nurses Association (ANA) Code of Ethics, University of Alabama Code of Academic Conduct, etc.

## Health Insurance Portability and Accountability Act (HIPAA)

The Health Insurance Portability and Accountability Act (HIPAA) was passed by Congress in 1996 to insure the portability of insurance coverage as employees moved from job to job; to increase accountability and decrease fraud and abuse in health care; and to improve the efficiency of the health care payment process, while at the same time protecting a patient's privacy. All upper division students must participate in an annual HIPAA Privacy and Security Training.

## Occupational Safety & Health Administration Standards

CCN abides by the Occupational Safety and Health Administration (OSHA) Standards. All upper division students must participate in an annual review of OSHA standards as they relate to bloodborne pathogens and transmission of tuberculosis. Fit testing for a respirator (mask) may be a part of this requirement.

## Licensure

Upon completion of the program, students meet the educational qualifications of the Board of Nursing in the state for which they are seeking licensure in for taking the National Council Licensure Examination for Registered Nurses. Completion of the academic program in no way assures the student of licensure. No employee, agent or representative of the University is authorized or empowered to provide such assurances either directly or by implication.

## Resolution of Concerns

Students are encouraged to seek the guidance of the academic advisor when problems arise. If problems occur that are directly related to nursing courses, resolution should be sought through conference with the course faculty. If the problem is not resolved at that level the student may seek resolution through a conference with the Course Leader, RN Mobility Coordinator (for RN Mobility Track Students), Assistant Dean Undergraduate Programs, the Senior Associate Dean for Academic Programs, or the Dean, in respective order.

## Student Employment

CCN assumes no responsibility for students employed in a health care agency. A student is personally responsible for any activities conducted while employed. Professional liability insurance purchased for each student by the College is valid in the student role, but not in the employment role. An individual who practices nursing illegally may jeopardize his/her future as a licensed professional. A student employed in an agency has the responsibility, personally and professionally, to engage in only those activities, which fall within the job description for non-professional workers, and has a responsibility to refuse to participate in activities, which he or she has not been legally licensed to perform.

### NUR102 Freshman Compass: Nursing

*FCMP*

Hours 1

The purpose of this elective course is to introduce the student to the Capstone College of Nursing and to help the student develop an awareness of and appreciation for the nursing profession. Emphasis is placed on the advisement process, study skills, professional nursing organizations, an overview of the CCN curriculum, and opportunities in nursing. (Theory).

Freshman Compass

### NUR103 Freshman Compass: Nursing (Honors)

*UH*

Hours 1

The purpose of this elective course is to introduce the student to the Capstone College of Nursing and to help the student develop an awareness of and appreciation for the nursing profession. Emphasis is placed on the advisement process, study skills, professional nursing organizations, an overview of the CCN curriculum, and opportunities in nursing. (Theory) This is the honors section and is designated for honors students only.

University Honors

[VIEW ALL COURSES](#)

## Faculty

### Dean

Suzanne S. Prevost, PhD, RN, FAAN

### Senior Associate Dean

Michele Montgomery, PhD, MPH, RN

### Associate Dean

Michelle Cheshire, EdD, RN

### Administrative and Professional Staff

Lisa Tyner, Administrative Specialist Traditional BSN Program

Rebekah Welch, Director Office of Nursing Student Services

Katara Wilson, Coordinator RN Mobility Student Services

## Nursing (RN to BSN)

Registered nurses who enroll at The University of Alabama may opt to pursue one of two options toward the completion of a higher degree or degrees. Both programs of study allow students to continue working while completing coursework online.

### RN to BSN

The RN to BSN program of study is specifically designed for the registered nurse student to earn a bachelor's degree. The program consists of 52-58 semester hours of required lower-division coursework and 25 semester hours of upper-division coursework. Lower-division studies include courses that meet University Core Curriculum requirements for a bachelor's degree. All lower-division hours must be successfully completed prior to enrolling in upper-division courses. Upon admission to the University as a RN to BSN student, credit for 40 hours of NUR courses is awarded.

RN to BSN		Hours
<b>Lower Division courses</b>		
BSC 215 & BSC 216	Human Anatomy & Physiology I and Human Anatomy & Physiology II	8
BSC 242	Microbiology And Man	4
CH 104	Introductory Chemistry (or other approved Natural Science course)	4
CS 102	Computer Applications	3
EN 101 & EN 102	English Composition and English Composition	6
HD 101	Life Span Human Development	3
MATH 110	Finite Mathematics (or higher)	3
PHL 223	Medical Ethics (or other approved Humanities course)	3
PY 101	Intro To Psychology	3
SOC 101	Intro To Sociology (or other approved Social Behavioral Science course)	3
Fine Arts <sup>1</sup>		3
Literature and History <sup>2</sup>		9
Statistics		3
Credit Hours Subtotal:		55
<b>Upper Division courses</b>		
NUR 319	Nrsg Informatics for RNs	3
NUR 329	Inq. Evidence Based Pract RNS	3
NUR 348	Role Tran in Baccalaureate Nur	4
NUR 449	Community Health For RNs	5

NUR 455	Leadership & Management Roles	5
NUR 465	Complex Client Sys RNs	5
Credit Hours Subtotal:		25
<b>Total Hours</b>		<b>80</b>

### Footnotes

<sup>1</sup> List of approved Fine Arts courses can be found here.

<sup>2</sup> All students are required to complete a six-credit-hour sequence in either History or Literature. Students opting to enroll in the Literature sequence must also complete an approved three-credit History course. Students opting to enroll in the History sequence must also complete an approved three-credit Literature course. If students take two history courses and one literature course, one additional literature, humanities or fine arts course is required to satisfy the 12-hour humanities core requirement.

### Promotion to Upper Division

Every effort will be made to promote all applicants who meet the criteria. The number of applicants promoted is dependent on the educational resources available to support this track. The application for promotion is due in the Office of Nursing Student Services by March 1 for summer promotion, June 1 for fall promotion and October 1 for spring promotion. Applications submitted after the deadlines may be considered.

### Promotion Criteria

To be eligible for promotion to the upper division, a registered nursing student must have the following:

- satisfactory completion of all lower-division requirements (grade of C- or higher)
- an overall grade point average of 2.5 on a 4.0 scale on the required lower-division courses
- an overall grade point average of 2.0 on all required science courses
- an unencumbered RN license in the state where clinical course requirements will be completed
- graduation from an ACEN or CNEA accredited school of nursing
- applicants must reside and be licensed in one of the states in which the Capstone College of Nursing is authorized to provide online education. To view the list of approved states click here.

## Advanced degree opportunities for Registered Nurses

The Capstone College of Nursing has a pathway for RNs that hold an associate degree or diploma in nursing to attain their BSN and MSN degrees. The pathway is divided into two specific phases, undergraduate and graduate. Students who are accepted for this pathway will earn the BSN degree and the MSN degree upon successful completion of the plan of study. The concentration area for the MSN is nurse administrator.

This pathway requires 52-58 semester hours of lower-division coursework (see lower division courses above) in addition to undergraduate and graduate nursing upper-division coursework. Enrollment in this pathway is only considered for summer admission.

Click the "Plan of Study Outline" tab above to view the sequence of courses for phase 1 of the curriculum.

Eligibility requirements for this pathway:

- satisfactory completion of all lower-division requirements
- acceptance to the undergraduate and graduate nursing programs

- an overall grade point average of 3.0 on a 4.0 scale on the required lower-division courses
- an unencumbered RN license in the state where clinical course requirements will be completed
- graduation from an ACEN accredited school of nursing
- applicants must reside and be licensed in one of the states in which the Capstone College of Nursing is authorized to provide online education. To view the list of approved states click here.

## RN to BSN Plans of Study

Full-Time enrollment		Hours
<b>Semester 1</b>		
NUR 319	Nrsg Informatics for RNs	3
NUR 348	Role Tran in Baccalaureate Nur (W)	4
Credit Hours Subtotal:		7
<b>Semester 2</b>		
NUR 329	Inq. Evidence Based Pract RNS	3
NUR 449	Community Health For RNs	5
Credit Hours Subtotal:		8
<b>Semester 3 (graduating semester)</b>		
NUR 455	Leadership & Management Roles	5
NUR 465	Complex Client Sys RNs	5
Credit Hours Subtotal:		10
<b>Total Hours</b>		<b>25</b>

Part-Time enrollment		Hours
<b>Semester 1</b>		
NUR 348	Role Tran in Baccalaureate Nur (W)	4
Credit Hours Subtotal:		4
<b>Semester 2</b>		
NUR 329	Inq. Evidence Based Pract RNS (W)	3
Credit Hours Subtotal:		3
<b>Semester 3</b>		
NUR 319	Nrsg Informatics for RNs	3
Credit Hours Subtotal:		3
<b>Semester 4</b>		
NUR 449	Community Health For RNs	5
Credit Hours Subtotal:		5
<b>Semester 5</b>		
NUR 465	Complex Client Sys RNs	5
Credit Hours Subtotal:		5
<b>Semester 6 (graduating semester)</b>		
NUR 455	Leadership & Management Roles	5
Credit Hours Subtotal:		5
<b>Total Hours</b>		<b>25</b>

## RN/BSN Pathway to MSN (Phase One)

[Click here to view the Phase Two plan of study](#)

Nurse Administrator		Hours
<b>Summer 1</b>		
NUR 319	Nrsg Informatics for RNs	3
NUR 348	Role Tran in Baccalaureate Nur (W)	4
Credit Hours Subtotal:		7

### Fall 1

NUR 449	Community Health For RNs	5
NUR 507	Organizational & Systems Leadership (W) <sup>1,2</sup>	3
Credit Hours Subtotal:		8

### Spring 1

NUR 465	Complex Client Sys RNs	5
NUR 519	Health Policy & Finance <sup>1</sup>	3
NUR 514	Research and Evidence-Based Practice <sup>1</sup>	3
Credit Hours Subtotal:		11

### Complete BSN requirements; BSN awarded

<b>Total Hours</b>	<b>26</b>
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### Footnotes

<sup>1</sup> Course counts towards completion of BSN & MSN

<sup>2</sup> W designated course for RN to BSN/MSN students only

Hospitals, Nursing Homes, Schools, Higher Education, Government Policy Development, Home Health, Public Health Departments, Physicians Offices, Certified Registered Nurse Anesthetists, Nurse Practitioners, Clinical Nurse Leaders, Case Management, Doctor of Nursing Practice.

## Types of jobs Accepted

Many of our graduates accept positions in hospitals to begin with. From there, they will go on to graduate programs or other areas of practice. The career opportunities are limitless.

Learn more about opportunities in this field at the Career Center

## Nursing, BSN

Nursing students should have a interest in being public servants. There are many areas a nurse may practice in, including community health, mental health, adult health, pediatrics, labor and delivery and others. It is recommended that high school preparation includes coursework in the sciences.

## Minors

A student may pursue a minor in any area that has a University-approved minor program and is approved by the ONSS. Consult the departmental listings in this catalog for specific requirements of minor programs.

## Application for Degree

An online application for a degree must be completed the semester in which the student will complete all requirements for the BSN degree. The degree application may be accessed through a student's myBama account.

The degree of Bachelor of Science in Nursing requires the completion of the courses designated in the following program of study. Elective hours may be used to complete a major portion of the University Core Curriculum; additional courses, however, may be required. Students may choose to enroll in summer session(s) to meet requirements and to adjust the program of study to meet individual needs. Students should also review core curriculum requirements (p. 364) in the Academic Records and General Academic Policies (p. 11) section of this catalog. Bold letters indicate courses that meet specific University core curriculum requirements.

**NOTE:** The Capstone College of Nursing reserves the right to make modifications in its program and policies as necessary, but every effort will be made to implement the general program for full-time students.

## Lower Division Requirements (BSN)

### Freshman

Fall	Hours	Spring	Hours
CH 104	4	CH 105	4
EN 101	3	EN 102	3
PY 101	3	MATH 110 (or higher)	3
NUR 102	1	History (HI)	3
Fine arts (FA)	3	HD 101	3
	<b>14</b>		<b>16</b>

### Sophomore

Fall	Hours	Spring	Hours
BSC 215	0 or 4	BSC 216	0 or 4
ANT 102 or SOC 101	3	BSC 242	4
NHM 101	3	PHL 223 or 292	3
Literature (L)	3	Statistics	3
Foreign Language (FL) or Computer Science (CS)	3	Literature (L) or History (HI)	3
	<b>12-16</b>		<b>13-17</b>

**Total Hours: 55-63**

### Footnotes

<sup>1</sup> NUR 102 Freshman Compass: Nursing is not a required course and will not be considered in upper division promotion.

<sup>2</sup> Literature/History: All students are required to complete a six-credit-hour sequence in either literature or history. Students opting to enroll in the literature sequence must also complete an approved three-credit-hour history course. Students opting to enroll in the history sequence must also complete an approved three-credit-hour literature course. If students take two history courses and one literature course, one additional literature, humanities or fine arts course is required to satisfy the 12-hour humanities requirement.

## Upper Division Requirements (BSN)

**NOTE:** The sophomore year summer semester program of study may also begin in the fall semester.

### Sophomore

Summer	Hours
NUR 305	4
NUR 306	1
NUR 308	3
NUR 310	3
	<b>11</b>

### Junior

Fall	Hours	Spring	Hours
NUR 309	3	NUR 328	3
NUR 324	7	NUR 372	8
NUR 326	3	NUR 374	4
	<b>13</b>		<b>15</b>

### Senior

Fall	Hours	Spring	Hours
NUR 418	4	NUR 422	4
NUR 419	5	NUR 473	6

NUR 420

4 NUR 475

1

**13****11**

**Total Hours: 63**

**Total lower division and upper division hours: 127**

Our graduates accept positions in hospitals, nursing homes, schools, higher education, government policy development, home health, public health departments, physicians offices, as certified registered nurse anesthetists, nurse practitioners, clinical nurse leaders, case management and doctor of nursing practice.

## Types of jobs Accepted

Many of our graduates accept positions in hospitals to begin with. From there, they may go on to graduate programs or other areas of practice. The career opportunities are limitless.

Learn more about opportunities in this field at the Career Center

## School of Social Work

The School of Social Work offers the degrees of bachelor of social work, master of social work and doctor of philosophy.

- Major
  - Social Work, BSW (p. 727)
- Minor
  - Social Welfare (p. 727)

## General Degree Requirements

Students are required to complete a minimum of 120 hours for the degree with a Social Work GPA of 2.5 and an overall GPA of 2.25.

### Hours of Study for the Minor in Social Welfare

Students in other divisions of the University may earn minors in social welfare by completing 18 hours of social work courses. Course requirements are listed under the Minor in Social Welfare section.

### Independent Study

Independent study is usually arranged in order for the student to pursue a special area of interest in social work or social welfare that is not covered in courses regularly offered. To arrange an independent study course, the student should obtain permission from his or her adviser, work out the goals and objectives of the course with the supervising instructor and secure a recommendation from the program chair and approval from the assistant dean for educational programs and student services. Independent study must be approved no later than the last day of class of the semester preceding the semester of the course. Such courses may be dropped according to University policy.

### Course Substitution

Occasionally, a student may wish to substitute another course for a required course. All such requests should first be presented to the student's adviser, who will weigh the merits of course substitution and determine whether the content of the proposed course is appropriate as a substitute. Decisions on social work course substitutions are made by the program chairperson.

### Transient Enrollment

A student who wishes to take courses at another college or university during a summer or regular semester should, after talking with his or her adviser, check with the School of Social Work registrar's office to determine whether the courses will transfer to the School of Social Work.

Prior approval must be received in order for transfer credit to be accepted toward degree requirements.

## Second Bachelor's Degree

A student with a bachelor's degree in a major other than social work may take courses leading to a bachelor's degree in social work as a second degree. To qualify for enrollment in social work courses as a major, the student is expected to meet all requirements for admission (i.e., 2.25 cumulative GPA and 2.5 GPA or higher in social work courses and a completed application for admission). The student is also expected to complete, in residence and with the required overall and social work GPAs, the specified social work courses for the BSW degree. The student is also expected to take other courses common to social work majors, such as 4 hours of biological sciences. Students interested in a second degree should also refer to the University's requirements listed under the Second Bachelor's Degree section of this catalog under Academic Records and Policies/Multiple Degrees and Multiple Majors.

Students entering the School of Social Work as freshmen are required to meet the admissions standards of the University set forth in the Admissions (p. 376) section of this catalog. The University accepts transferred credit from accredited associate of arts programs (see Undergraduate Transfer Admission (p. 376) section of this catalog). The School of Social Work also accepts those hours but requires that all students meet the course requirements for the bachelor of social work degree. An evaluation of each transferred course is made by the University's Academic Records office or the registrar of the School of Social Work. Any transfer credit of a social work course must be approved by the program chair. No academic credit, course waivers, or credit for field practicum shall be granted for life experience or for previous work experience.

Transfer credit from four-year institutions is accepted as long as the specified requirements for the BSW degree are met. Credit for 400-level social work courses can be granted only for such courses taken in a CSWE-accredited social work program. Social work courses below the 400 level taken in programs without CSWE accreditation are evaluated for transfer credit on a course-by-course basis. Because of the number of social work courses required of junior- and senior-level students, it is difficult for a transfer student to enter the School of Social Work after the first semester of the junior year and complete the program within an additional two-year period, unless the general education requirements have been completed during the first two years of study. Most transfer students attend at least one summer session.

Any University of Alabama student who has completed 45 semester hours or more of academic work and who wishes to transfer from any other UA division into the School of Social Work must have a grade point average of at least 2.0 for all college work.

## Admission into the Professional Program

The priority deadline for application to enter the upper division (professional program) in social work is February 15 of each year for admission the following fall semester and September 15 for admission the following spring semester. Application forms are available on our website and from the school's registrar.

Each applicant for the professional program should have completed:

Code and Title	Hours
BSC 108 or Intro Biology Non Maj I	4
BSC 109 Intro Biology Non Maj II	
PY 101 or Intro To Psychology	3

PY 105	Honors Intro Psychology	
SOC 101	Intro To Sociology	3
OR their equivalents		
SW 100 or	Introduction to the Fields of Social Work Practice	3
SW 105	Honors Introduction to the Fields of Social Work Practice	
SW 101	Orientation to Social Work (*)	3
SW 200 or	History of Social Welfare in the United States	3
SW 205	Honors History of Social Welfare in the United States	
SW 310	Professional Writing Seminar (*)	3
SW 351 or	Oppression & Social Injustice	3
SW 355	Honors Oppression & Social Injustice	
<b>Total Hours</b>		<b>25</b>

\* Proctored exam required for online sections of this course. Additional charges may be incurred for proctoring services. The student is responsible for any proctoring costs.

A student who has completed at least two of those courses may apply if he or she is enrolled in the other course at the time of application. An applicant also must have qualified for UA core curriculum-level math courses either by placement score or by having earned a C or higher in MATH 100 Intermediate Algebra. To be considered for admission, the student must have completed at least 45 hours toward the degree with a cumulative grade point average of at least 2.25 and a social work GPA of at least 2.5.

Spaces for students in the upper division are limited. Two faculty readers score each application. Depending on the number of applications and spaces available, some applicants who meet minimum admissions requirements may be placed on a waiting list. Students who are conditionally admitted must maintain cumulative grade point averages of at least 2.25 (and 2.5 in social work courses) or the offer of admission will be withdrawn.

After the completion of approximately 54 hours toward the social work degree, with the required cumulative and social work grade point averages, students who have been admitted into the professional program begin taking the professional courses, which are the 400-level social work courses listed in the School of Social Work Program Requirements (p. 727) section of this catalog.

## Performance and Retention Policies

To continue in the social work professional program, students must meet the following criteria:

- Students must earn minimum grades of C in all required social work courses, including two social work electives.
- Students must earn minimum grades of C in all other courses required in the major:

Code and Title	Hours
PY 101 or Intro To Psychology	3
PY 105 Honors Intro Psychology	
PY 352 Developmental Psych	3
PY 358 Psychopathology	3
PY 372 or Social Psychology	3
SOC 205 Social Psychology	
SOC 101 Intro To Sociology	3
BER 345 or Educational Statistics	3
CJ 381 or Statistics	

PY 211 or Elem Statistical Methods  
ST 260 Statistical Data Analysis

- Students must earn a minimum grade of B- or higher on the designated writing assessment during their first semester in the professional program. Students who have not earned a B- or higher on the writing assessment by the end of the semester in which they complete SW 101 Orientation to Social Work will be required to enroll in SW 310 Professional Writing Seminar during the following semester. These students must pass SW 310 Professional Writing Seminar in order to continue in the professional Social Work Program.

## Field Education

SW 490 Field Education, a 9-credit-hour course, is a four-day-per-week learning experience course taken during the fall semester of the senior year. Students are given opportunities, under supervision, to develop social work skills. The School of Social Work collaborates with agencies in a variety of settings for field education placements. To complete field education requirements, students must make arrangements for transportation to and from their field education site. During this semester, students also attend classes at the School of Social Work one day per week.

To be eligible for their field education placement, students must maintain cumulative grade point averages of 2.25 or higher and 2.5 or higher GPAs in social work courses, and they must have passed a statistics class. Students on probation and/or holding grades of I in any social work courses may not be admitted to field education.

The School of Social Work was established in 1965, when an act of the Alabama Legislature created a graduate school of social work, the first graduate social work program in the state. The undergraduate program began in 1970 and a doctoral program was added in 1975. The undergraduate program is the only one in the state offered within a comprehensive school of social work.

Social work is a challenging and rewarding profession that has as its goal helping people live satisfying lives within their families and their communities. The profession's focus is on action to help people affect positive changes in their lives.

At the bachelor's and master's levels, the School of Social Work prepares social workers to plan, administer, deliver and evaluate social services for citizens of the state, region and nation. The bachelor of social work degree prepares the graduate to begin generalist practice in a variety of settings. The master of social work degree prepares the graduate for advanced, specialized practice. The doctor of philosophy degree prepares graduates to develop and impart knowledge to advance the profession. The faculty engage in research and professional activities designed to enrich educational programs, improve social conditions and meet the special needs of the state, region and nation.

The undergraduate program leads to the bachelor of social work degree. The primary objective of the undergraduate program in social work is the preparation of students for effective practice of professional social work in beginning-level positions. The graduate is prepared as a social work generalist with skills to assist individuals, families, groups, organizations and communities in achieving goals, solving problems and bringing about change where it is needed. Additionally, this program prepares students to enter graduate study in social work or related fields. It also provides interested persons with knowledge of social welfare needs and the means of providing for those needs. These objectives, however, are secondary to the primary objective of preparation for practice.

Five basic requirements of the BSW program prepare the student for practice as a generalist social worker: required liberal arts courses, elective courses, required social work courses, elective social work courses and supervised social work field education.

### SW100 Introduction to the Fields of Social Work Practice

Hours 3

An overview of the many and varied roles in which social workers function in today's society. Reviews the historical development of the profession, its various fields of practice, the profession's code of ethics, and covers current national and local issues. Fifteen hours of volunteer work outside of class are required. Required course for social work majors and social welfare minors; open to all University students, but freshmen and sophomores preferred. Offered in the fall and spring semesters.

Prerequisite(s): None. This is an introductory course open to all University students. It is a required course for social work majors and social welfare minors.

### SW210 Family & Child Welfare

Hours 3

Examines the current situation in services for children and families. Gives an overview of services designed to strengthen families, as well as those that provide substitute care of children when the family is unable to meet this responsibility.

[VIEW ALL COURSES](#)

## Faculty

### Dean

Dr. Smith Hatcher, Schnavia

### Associate Deans

Dr. Cain, Daphne

Dr. Lee, Hee Yun

Dr. Williams, Javonda

### Instructors

Lockhart, Angela

Payne, Nancy

Phelps, Carroll C.

Swails, Peggy

Wilkes, Sherron

Welker, Kathleen, W.

### Assistant Professor

Bennett, Daniel Jr.

Carlson, Catherine

Cheatham, Leah

Green, Sha-Rhonda

Jackson, M. Sebrena

Johnson, Karen

Lee, Lewis

McKinney, Robert Jr.

Shah, Avani

Simpson, Gaynell M.

Starks, Karen

### Associate Professor

Alameda-Lawson, Tania

Albright, David

Drolen, Carol S.

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Smith, Brenda

### Field Education

Curington, Allison

Gibson, Kimberly

Smith, Shayla

Turner, Carrie

## Social Welfare, Minor

A student who plans to declare a minor in social welfare should complete the change of major/minor application online under the Student tab in his or her myBama account.

A student who is majoring in another UA college may declare a minor in social welfare, subject to the requirements of his or her college.

Social welfare minors may not take social work practice courses, including SW 440 SW Pract with Indiv & Families, SW 441 SW Practice with Groups, SW 442 SW Practice with Communities, SW 443 Seminar in Generalist Practice and SW 490 Field Education.

Requirements for an undergraduate minor in social welfare are as follows:

Code and Title	Hours
<b>Minor Courses</b>	
SW 100 or Intro Fields SW Practice	3
SW 105 Honors Intro Field of SW Pract	
SW 200 or History Social Welfare US	3
SW 205 Hon Hist. Social Welfare--US	
SW 351 or Oppression & Social Injustice	3
SW 355 Hon Oppression & Soc Injustice	
Select nine hours of social work courses <sup>1</sup>	9
<b>Total Hours</b>	<b>18</b>

### Footnotes

<sup>1</sup> Electives are to be selected from among the courses open to non-social work majors and for which students completing the minor have successfully passed the appropriate prerequisites. One of these courses must be at the 300 or 400 level.

## Social Work, BSW

Social Work students are usually interested in a wide variety of topics related to social justice, human rights, social policy, mental health, and community organizing. Often underlying those interests is a concern for persons who are vulnerable, oppressed, underserved, and living in poverty. Students interested in social work typically have strong oral and written communication skills, an interest in solving social problems, and an enjoyment of working with people from diverse backgrounds.

**Mission of the BSW Program:** The BSW Program prepares practitioners committed to promoting social justice and improving the well-being of individuals, families, groups, and communities.

**Goals of the BSW Program:** Graduates of the BSW program will be able to:

- Demonstrate skills in generalist social work practice informed by the best available evidence
- Engage in culturally sensitive and culturally effective social work practice with diverse groups
- Apply social work values and ethics
- Advocate for vulnerable and oppressed populations
- Create sustainable local and global change that improves societal wellbeing

Unique opportunities for BSW students: Some of the unique opportunities the BSW program offers students include:

- Field internship offerings in Washington, D.C., internationally, or in more than 250 social services agencies in Alabama
- A social work honor's program
- Research experiences with faculty and graduate students
- Policy and advocacy-focused Washington, D.C. Fly-In program
- Opportunities for service learning
- Community-engaged student organizations

The degree of Bachelor of Social Work requires completion of the courses designated in the following program of study. Elective hours may be used to complete a portion of the University Core Curriculum; additional courses may be required. Students should also review core curriculum requirements in the Academic Records and General Academic Policies section of this catalog. Please note that some courses require proctored exams or skills labs. Students are expected to cover the cost of proctored exams, if applicable. A few courses are not yet available in online format and will need to be completed at another institution.

**Note:** The School of Social Work reserves the right to make modifications in its program and policies as necessary, but every effort will be made to implement the general program for full-time students.

## Social Work Major Courses

Code and Title	Hours
<b>Social Work Major Courses</b>	
SW 100 or Intro Fields SW Practice	3
SW 105 Honors Intro Field of SW Pract	
SW 200 or History Social Welfare US	3
SW 205 Hon Hist. Social Welfare--US	
SW 351 or Oppression & Social Injustice	3
SW 355 Hon Oppression & Soc Injustice	
SW 401 or Soc Wel Policy & Services	3
SW 405 Hon Soc Wel Pol & Serv	
SW 410 Human Behav Soc Envir I	3
SW 411 Human Behav & the Soc Envir II	3
SW 420 or Research Social Work Practice	3
SW 425 Research for SW Pract. Honors	
SW 440 SW Pract with Indiv & Families (**)	3
SW 441 SW Practice with Groups (**)	3
SW 442 SW Practice with Communities (**)	3
SW 443 or Seminar in Generalist Practice	3
SW 445 Social Work Honors Seminar	
SW 490 Field Education	9
Select two approved Social Work electives	6
Credit Hours Subtotal:	48

### Social Work Ancillary Courses

SW 101 Orientation to Social Work (*)	3
SW 310 Professional Writing Seminar	3
SW 444 Field Preparation Seminar	1
PY 358 or Psychopathology (***)	3
SW 415 Psychopathology	
Select one of the following Social Psychology Courses:	
SOC 205 or Social Psychology (***)	3
PY 372 Social Psychology	

Select one of the following Statistics courses: 3

BER 345 Educational Statistics	
CJ 381 Statistics	
PY 211 Elem Statistical Methods	
SOC 301 Social Statistics	
ST 260 Statistical Data Analysis	
Select two of the following courses in different disciplines. At least one course must carry SB designation 6	
ANT 100 Anthropology and Humanity	
ANT 102 Intro to Cultural Anthropology	
ANT 103 Discoveries In Archaeology	
ANT 225 Introduction to Global Health	
EC 110 or Principles of Microeconomics	
EC 112 Honors Prin of Microeconomics	
EC 111 or Principles of Macroeconomics	
EC 112 Honors Prin of Microeconomics	
GY 105 World Regional Geography	
GY 110 People, Places, & Environment	
PSC 101 Intro American Politics	
PSC 103 Intro Public Policy	
PSC 211 State & Local Govt	

### Electives

Select 4 hours of free electives 4

**Total Hours 74**

### Footnotes

- \* *Online Distance Learning courses may require a proctored exam. Additional charges may be incurred for proctored services. The student is responsible for any proctoring cost.*
- \*\* *The online section of this course requires concurrent enrollment in the accompanying skills lab.*
- \*\*\* *This course is not currently available in online format and will need to be completed at another institution.*
- 1 Students must have a two-course sequence in either HY or L. Students transferring in HY 103 or HY 104 are required to complete GY 105 or SW 419.
- 2 At least one course must hold the SB designation, and the two courses selected must not be from the same department.
- 3 Math courses have prerequisites that must be met.
- 4 Students must take SW 310 unless they make an A or B on the writing exam in SW 101.
- 5 A Bachelor of Social Work degree requires a minimum of 120 hours with a Social Work GPA of 2.5 and an overall GPA of 2.25.

## Sample Curriculum Plan (p. )

### Freshman

Fall	Hours	Spring	Hours
EN 101	3	EN 102 or 103	3
PY 101	3	SOC 101	3
SW 100	3	HY 101 or 102	3
SW 101	3	MATH 110	3
Foreign Language	4	Foreign Language	4
<b>16</b>		<b>16</b>	



**Sophomore**

Fall	Hours	Spring	Hours
Core BSC (with lab)	4	COM 122 or 123	3
Social Behavior (from approved list)	3	SOC 205 or PY 372	3
Fine Art (core curriculum)	3	SW 351	3
SW 200	3	Literature (core Curriculum)	3
SW 310	3	Core Natural Science (with lab)	4
		<b>16</b>	<b>16</b>

**Junior**

Fall	Hours	Spring	Hours
SW 401	3	SW 411	3
SW 410	3	SW 441	3
SW 440	3	SW 442	3
Statistics	3	SW 444	1
Social Work Elective	3	Social Behavior (from approved list)	3
		<b>15</b>	<b>13</b>

**Senior**

Fall	Hours	Spring	Hours
SW 490	9	HY or LI sequence	3
SW 443	3	HU/L/FA or Free Elective	3
SW 420	3	Social Work Elective	3
		SW 415 or PY 358	3
		Free Elective	1
		<b>15</b>	<b>13</b>

**Total Hours: 120**

According to the U.S. Department of Labor's Bureau of Labor Statistics, social work is one of the fastest growing careers in the United States. Social workers are employed in a variety of career settings, including schools, hospitals, colleges and universities, mental health clinics, senior centers, nursing homes, elected offices, private practices, prisons, military systems, public defender and criminal court systems, corporations, and numerous public and private agencies that serve individuals and families in need.

Learn more about opportunities in this field at the Career Center

**Faculty****Interim Dean**

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**Associate Deans**

Dr. Cain, Daphne

Dr. Williams, Javonda

Dr. Lee, Hee Yun

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Green, Sha-Rhonda

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Simpson, Gaynell M.

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Phelps, Carroll

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Welker, Kathleen

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Eure, Gerald K.

Sumrall, Raymond O.

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Roff, Lucinda L.

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Mueller, Thelma V.

Raymond, Ginny

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McClain, Shirley B.

Shelton, Sharon C.

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