

**THE UNIVERSITY OF ALABAMA 2021-2022 UNDERGRADUATE
CATALOG**

TABLE OF CONTENTS

| | | | |
|--|-----|--|-----|
| Undergraduate Catalog | 7 | Freshman Admission | 356 |
| About the University | 7 | Special Programs | 356 |
| Academic Regulations | 11 | Transfer Admission | 357 |
| Academic Policies | 11 | Admission of Special Category Students | 357 |
| Academic Bankruptcy | 12 | Admission of International Students | 358 |
| Academic Second Opportunity | 12 | Academic Second Opportunity | 359 |
| Credit by Examination | 12 | High School Services | 360 |
| Residency for Tuition Purposes Policy | 17 | Academic Common Market of the Southern Regional Education Board (SREB) | 360 |
| Scholastic Progress Standard, Academic Status, Warning and Suspension | 20 | Military Leave | 360 |
| Transfer Credit | 21 | State Authorization | 360 |
| Transfers Within the University | 23 | Introduction | 360 |
| Withdrawal | 24 | Student Financial Aid | 361 |
| Medical Withdrawal and Return to Campus | 25 | Applying for Financial Aid | 361 |
| Academic Records | 27 | Satisfactory Academic Progress Requirement for Federal Financial Aid Recipients | 362 |
| Academic Calendar Year | 27 | Student Rights and Responsibilities | 362 |
| Classification of Students | 27 | Types of Financial Aid | 362 |
| Course Inventory | 27 | Support Programs and Services for Students | 363 |
| Department, Program and Course Alpha Symbols | 339 | Action Card | 363 |
| Grades and Grade Points | 341 | Capstone Center for Student Success | 364 |
| Honors | 343 | Disability Services | 364 |
| Transcripts | 344 | International Services | 364 |
| Curriculum | 344 | Student Life | 365 |
| Core Curriculum/General Education Requirements | 344 | Transportation and Parking Services | 368 |
| Final Examinations | 345 | UA Police Department | 368 |
| Graduation | 346 | University Libraries | 368 |
| Majors and Degrees | 347 | Writing Center | 370 |
| Postgraduate Students | 349 | Tuition and Other Expenses | 370 |
| Registration | 349 | Costs | 370 |
| UA System Cooperative Exchange Program | 350 | General Payment Information | 370 |
| Student Expectations | 350 | Withdrawal from the University | 371 |
| Absence from Class and Failure to Complete Class Work | 351 | Academic Enrichment Opportunities | 371 |
| Academic Misconduct Policy | 351 | Capstone International Center | 371 |
| Records Policy for Students with Uncleared Financial Obligations | 353 | Global and Cultural Perspectives, Minor | 374 |
| Student Responsibility | 354 | College of Continuing Studies | 375 |
| Administration | 354 | English Language Institute | 376 |
| Admissions | 355 | Honors College | 378 |
| General Requirements | 355 | Catherine J. Randall Research Scholars Program (Minor) | 381 |
| | | University Fellows Experience | 382 |

| | | | |
|--|-----|--|-----|
| Military Programs | 383 | Criminal Justice, Minor | 434 |
| Air Force Studies (Air Force ROTC) | 383 | Cyber Criminology, Minor | 435 |
| Officer Training Corps Studies (Army ROTC) | 386 | Sociology, Minor | 435 |
| Special Academic Programs | 387 | Economics, BA | 435 |
| Accelerated Master's Program | 387 | Department of English | 437 |
| Cooperative Education Program | 389 | Creative Writing, Minor | 437 |
| College of Arts and Sciences | 390 | Digital, Public, and Professional Writing, Minor | 437 |
| Department of American Studies | 398 | English, BA | 438 |
| American Studies, BA | 399 | English, Minor | 440 |
| American Studies, Minor | 400 | Interdisciplinary Linguistics, Minor | 440 |
| Department of Anthropology | 400 | World Literature Minor | 441 |
| Anthropology, BA | 401 | Environmental Science | 442 |
| Anthropology, Minor | 404 | Environmental Science, BS | 442 |
| Evolutionary Studies, Minor | 404 | Department of Gender and Race Studies | 444 |
| Global Health, Minor | 405 | African American Studies, BA | 445 |
| Department of Art and Art History | 406 | African American Studies, Minor | 446 |
| Art (Studio), Minor | 407 | Women's Studies, Minor | 447 |
| Art History, BA | 408 | Department of Geography | 447 |
| Art History, Minor | 409 | Geographic Information Systems (GIS), Minor | 448 |
| Medieval and Early Modern European Studies Minor | 410 | Geography, BA | 449 |
| Studio Art, BA | 411 | Geography, BS | 450 |
| Studio Art, BFA | 412 | Geography, Minor | 452 |
| Department of Biological Sciences | 414 | Department of Geological Sciences | 452 |
| Biology, BS | 416 | Geology, BA | 453 |
| Biology, Minor | 418 | Geology, BS | 454 |
| Marine Science, Minor | 418 | Geology, BSG | 455 |
| Marine Science/Biology Major, BS | 419 | Geology, Minor | 456 |
| Marine Science/Chemistry Major, BS | 420 | Department of History | 456 |
| Marine Science/Geology Major, BS | 421 | History, BA | 458 |
| Microbiology, BS | 422 | History, Minor | 461 |
| Microbiology, Minor | 424 | Marine Science Program | 461 |
| Blount Scholars Program | 425 | Department of Mathematics | 462 |
| Blount Scholars Minor | 425 | Mathematical Statistics, Minor | 464 |
| Department of Chemistry and Biochemistry | 425 | Mathematics Education, Minor | 464 |
| Chemistry, BCH | 427 | Mathematics, BS | 465 |
| Chemistry, BS | 428 | Mathematics, Minor | 467 |
| Chemistry, Minor | 430 | Department of Modern Languages and Classics | 467 |
| Department of Communicative Disorders | 430 | Arabic, Minor | 469 |
| Communicative Disorders, BA | 431 | Chinese, Minor | 469 |
| Communicative Disorders, Minor | 432 | Classical Civilization, Minor | 470 |
| Department of Criminology & Criminal Justice | 433 | Foreign Languages and Literature, BA | 470 |
| Criminology & Criminal Justice, BA | 433 | French, Minor | 473 |

| | | | |
|---|-----|--|-----|
| German, Minor | 474 | Department of Religious Studies | 526 |
| Greek, Minor | 474 | Asian Studies, Minor | 528 |
| Italian, Minor | 474 | Judaic Studies, Minor | 528 |
| Japanese, Minor | 475 | Religious Studies, BA | 529 |
| Latin American, Caribbean, and Latino Studies, Minor | 475 | Religious Studies, Minor | 530 |
| Latin, Minor | 476 | Department of Theatre and Dance | 531 |
| Russian, Minor | 476 | Dance, BA | 532 |
| Spanish, BA | 477 | Theatre with a Musical Theatre Concentration, BA | 533 |
| Spanish, Minor | 478 | Theatre, BA | 535 |
| School of Music | 479 | Theatre, BFA | 536 |
| Music Composition, BM | 481 | Theatre, Minor | 538 |
| Music Performance, BM | 482 | Culverhouse College of Business | 538 |
| Music Theory, BM | 488 | Culverhouse School of Accountancy | 543 |
| Music Therapy, BM | 490 | Accounting, BS | 545 |
| Music with a concentration in Arts Administration, BA ... | 492 | Accounting, Minor | 546 |
| Music, BA | 493 | Department of Economics, Finance, and Legal Studies | 546 |
| Music, Minor | 495 | Actuarial Science, Minor | 548 |
| New College | 496 | Economics, BS | 548 |
| Civic Engagement and Leadership, Minor | 497 | Economics, Minor | 549 |
| Interdisciplinary Environmental Studies, Minor | 498 | Finance, BS | 549 |
| Interdisciplinary Studies, BA | 499 | Finance, Minor | 551 |
| Interdisciplinary Studies, BS | 500 | Personal Wealth Management, Minor | 551 |
| Natural Resources, Minor | 502 | Real Estate, Minor | 551 |
| Student Designed, Minor | 503 | Risk Management, Insurance, and Financial Services, Minor | 551 |
| Department of Philosophy | 503 | Department of Information Systems, Statistics and Management Science | 552 |
| Philosophy, BA | 504 | Management Information Systems, BS | 553 |
| Philosophy, Minor | 506 | Operations Management, BS | 554 |
| Department of Physics and Astronomy | 506 | Statistics, Minor | 555 |
| Astronomy, Minor | 507 | Supply Chain Management, Minor | 555 |
| Physics, BS | 508 | Department of Management | 555 |
| Physics, Minor | 511 | Entrepreneurship, Minor | 557 |
| Department of Political Science | 511 | General Business, BS | 557 |
| International Studies, BA | 512 | General Business, Minor | 558 |
| International Studies, Minor | 516 | Human Resource Management, Minor | 558 |
| Political Science, BA | 517 | Management Communication, Minor | 558 |
| Political Science, Minor | 519 | Management, BS | 558 |
| Public Policy, Minor | 520 | Management, Minor | 559 |
| Department of Psychology | 521 | Department of Marketing | 560 |
| Neuroscience Minor | 522 | International Business, Minor | 561 |
| Psychology, BA | 523 | Marketing, BS | 561 |
| Psychology, BS | 524 | | |
| Psychology, Minor | 526 | | |

| | | | |
|--|-----|---|-----|
| Sales, Minor | 562 | College of Engineering | 622 |
| Services Marketing, Minor | 562 | Department of Aerospace Engineering and Mechanics | 624 |
| College of Communication and Information Sciences | 562 | AEM Honors Program | 625 |
| Department of Advertising and Public Relations | 566 | Aerospace Engineering, BS | 626 |
| Advertising, BA | 568 | Aerospace Engineering, Minor | 627 |
| Advertising and Public Relations, Minor | 571 | Department of Chemical and Biological Engineering | 628 |
| Public Relations, BA | 571 | Chemical Engineering, BSChE | 630 |
| Department of Communication Studies | 573 | Department of Civil, Construction and Environmental Engineering | 633 |
| Communication Studies, BA | 574 | Architectural Engineering, BS | 635 |
| Communication Studies, Minor | 577 | Architectural Engineering, Minor | 636 |
| Leadership Communication, Minor | 578 | Civil Engineering, BS | 636 |
| Department of Journalism & Creative Media | 578 | Civil Engineering, Minor | 638 |
| News Media, BA | 580 | Construction Engineering, BS | 638 |
| News Media, Minor | 582 | Construction Engineering, Minor | 639 |
| Creative Media, BA | 582 | Environmental and Water Resources Engineering, Minor | 640 |
| Creative Media, Minor | 584 | Environmental Engineering, BS | 640 |
| Sports Media, Minor | 584 | Structural Engineering, Minor | 641 |
| School of Library and Information Studies | 584 | Transportation Engineering, Minor | 641 |
| College of Community Health Sciences | 585 | Department of Computer Science | 641 |
| Rural Community Health, Minor | 587 | Computer Science, BS | 642 |
| College of Education | 587 | Cyber Security, BS | 644 |
| Department of Curriculum and Instruction | 596 | Computer Science, Minor | 645 |
| Elementary Education, BSE | 596 | Computing Technology and Applications, Minor | 646 |
| Secondary Education, BSE | 598 | Department of Electrical and Computer Engineering | 646 |
| Department of Educational Leadership, Policy and Technology Studies | 607 | Computer Engineering, BS | 648 |
| Educational Policy and Reform Minor | 608 | Electrical Engineering, BS | 649 |
| Department of Educational Studies in Psychology, Research Methodology and Counseling | 609 | Electrical Engineering, Minor | 651 |
| Educational Neuroscience, BS | 610 | Musical Audio Engineering, BS | 651 |
| Department of Kinesiology | 611 | Department of Mechanical Engineering | 652 |
| Kinesiology, BSE | 612 | Manufacturing, Minor | 653 |
| Department of Music Education | 614 | Mechanical Engineering, BS | 654 |
| Music Education, BSE (Certification in Instrumental Music) | 614 | Mechanical Engineering, Minor | 656 |
| Music Education, BSE (Certification in Vocal/Choral Music) | 616 | Department of Metallurgical and Materials Engineering | 657 |
| Department of Special Education and Multiple Abilities | 617 | Metallurgical & Materials Engineering, Minor | 658 |
| Collaborative Education Program, BSE | 618 | Metallurgical Engineering, BS | 658 |
| CrossingPoints Certificate in Occupational Studies | 619 | Engineering Positive and Intentional Change, Minor | 659 |
| Early Childhood Special Education | 619 | College of Human Environmental Sciences | 660 |
| Multiple Abilities Program, BSE | 620 | Department of Clothing, Textiles and Interior Design | 663 |
| Educational Studies Minor | 621 | Apparel and Textiles, BS | 664 |
| | | Interior Design, BS | 665 |

| | |
|--|-----|
| Department of Consumer Sciences | 666 |
| Conflict Resolution, Minor | 668 |
| Consumer Sciences, BS | 668 |
| Consumer Sciences, Minor | 669 |
| Digital Consumer Engagement, Minor | 669 |
| Personal Finance, Minor | 670 |
| Department of Health Science | 670 |
| Public Health, BS | 671 |
| Athletic Training Minor | 672 |
| Department of Human Development and Family Studies | 672 |
| Addiction and Recovery Studies, Minor | 673 |
| Addiction and Recovery, BS | 673 |
| Early Childhood Education, BS | 674 |
| Human Development and Family Studies, BS | 675 |
| Human Development and Family Studies, Minor | 676 |
| Department of Human Nutrition and Hospitality Management | 677 |
| Food and Nutrition, BS | 678 |
| Food and Nutrition, Minor | 680 |
| Hospitality Management, BS | 681 |
| Human Environmental Sciences, BS | 682 |
| Capstone College of Nursing | 683 |
| Nursing (RN to BSN) | 687 |
| Nursing, BSN | 688 |
| School of Social Work | 689 |
| Social Welfare, Minor | 692 |
| Social Work, BSW | 693 |
| Index | 696 |

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).

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 Association of Family and Consumer Sciences; American Bar Association; American Library Association; Alabama State Department of Education; Alabama Department of Public Health; Accrediting Council for Graduate Medical Education; American Psychological Association; American Speech Language-Hearing Association; Commission on Accreditation of Athletic Training Education Programs; 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; Council on Rehabilitation Education; 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; National Council for Accreditation of Teacher Education; 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

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 Education 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.

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; or visit 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)

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. 17)

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)

Transfers Within the University

A student registered in an undergraduate division of The University of Alabama who has earned fewer than 45 semester hours may transfer to another undergraduate division. Read more. (p. 23)

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).
- 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. 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.

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 ¹ |
| 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 ² | 3 | CHI 101 & CHI 102 | 8 |
| Chinese Language & Culture ² | 4 | CHI 101, CHI 102 & CHI 201 | 11 |
| Chinese Language & Culture ² | 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 & Composition 3 | | EN 101 | 3 |
| English Language & Composition 4 | | EN 101 & EN 102 | 6 |
| English Literature & Composition 3 | | EN 101 | 3 |

| | | | |
|---|---|---------------------------------|----|
| English Literature & Composition 4 | | EN 101 & EN 102 | 6 |
| If both English AP tests are completed ³ | 3 | EN 101 & EN 102 | 6 |
| If both English AP tests are completed ³ | 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 ² | 3 | FR 102 | 4 |
| French Language & Culture ² | 4 | FR 102 & FR 201 | 7 |
| French Language & Culture ² | 5 | FR 102, FR 201 & FR 202 | 10 |
| German Language & Culture ² | 3 | GN 103 | 4 |
| German Language & Culture ² | 4 | GN 103 & GN 201 | 7 |
| German Language & Culture ² | 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 ² | 3 | IT 101 & IT 102 | 8 |
| Italian Language & Culture ² | 4 | IT 101, IT 102 & IT 201 | 11 |
| Italian Language & Culture ² | 5 | IT 101, IT 102, IT 201 & IT 202 | 14 |
| Japanese Language & Culture ² | 3 | JA 101 & JA 102 | 8 |
| Japanese Language & Culture ² | 4 | JA 101, JA 102 & JA 201 | 11 |
| Japanese Language & Culture ² | 5 | JA 101, JA 102, JA 201 & JA 202 | 14 |
| Latin ² | 3 | LA 101 & LA 102 | 6 |
| Latin ² | 4 | LA 101, LA 102 & LA 201 | 9 |
| Latin ² | 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 ² | 3 | SP 102 | 4 |
| Spanish Language & Culture ² | 4 | SP 102 & SP 201 | 7 |
| Spanish Language & Culture ² | 5 | SP 102, SP 201 & SP 202 | 10 |
| Spanish Literature & Culture ² | 3 | SP 102 | 4 |
| Spanish Literature & Culture ² | 4 | SP 102 & SP 201 | 7 |
| Spanish Literature & Culture ² | 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

- ¹ Decision based on review of portfolio by the Department of Art and Art History.
- ² Students may not receive credit for AP courses *and* placement credit for language study in high school.
- ³ 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 Business | 50 | MATH 112 | 3 |

| | | | |
|---|----|---------|---|
| Information Systems and Computer Applications | 50 | CS 102 | 3 |
| Introductory Business Law | 50 | LGS 200 | 3 |

Footnotes

¹ 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 |
|--|---------------|--|--------|
| GROUP 1 | | | |
| 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 ¹ | 5 on both | EN 101, EN 102, and 3 hours of TRGS HU | 9 |
| GROUP 2: LANGUAGE B COURSES | | | |
| 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 | |
| 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 |
| 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 ² |
|-----------------------|---|---|------------------|

Footnotes

- ¹ 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.
- ² 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 ¹ |
| Art and Design (A-Level) | A - E | ART 110, ART 130, ART 131, and/or ART 197 | 3-6 ¹ |
| Biology (AS-Level) | A - E | BSC 108 | 4 |
| Biology (A-Level) | A - E | BSC 114, BSC 115, BSC 116 & BSC 117 | 8 |
| Business Studies (AS-Level) | A - E | GBA 197 | 3 |
| Business Studies (A-Level) | A - E | GBA 197 | 6 |
| Chemistry (AS-Level) | A - E | CH 197 | 4 |
| Chemistry (A-Level) | A - E | CH 101 & CH 197 | 8 |
| Classical Studies (AS-Level) | A - E | CL 197 | 3 |
| Computing (AS-Level) | A - E | CS 197 | 3 |
| Computing (A-Level) | A - E | CS 197 | 6 |
| Design and Technology (AS-Level) | A - E | CTD 197 | 3 |

| | | | |
|---|-------|---------------------|---|
| Design and Technology (A-Level) | A - E | CTD 197 | 6 |
| Economics (AS-Level) | A - E | EC 197 | 3 |
| Economics (A-Level) | A - E | EC 110 & EC 111 | 6 |
| English Language (AS-Level) | A - E | EN 101 | 3 |
| Environmental Management (AS-Level) | A - E | GY 197 | 3 |
| French Language (AS-Level) | A - E | FR 101 | 4 |
| French Language (A-Level) | A - E | FR 101 & FR 102 | 8 |
| French Literature (AS-Level) | A - E | FR 197 | 3 |
| Further Mathematics (A-Level) | A - E | MATH 125 & MATH 126 | 8 |
| General Paper (AS-Level) | A - E | NEW 197 | 3 |
| Geography (AS-Level) | A - E | GY 105 | 3 |
| Geography (A-Level) | A - E | GY 102 & GY 197 | 7 |
| German Language (AS-Level) | A - E | GN 101 | 4 |
| German Language (A-Level) | A - E | GN 101 & GN 102 | 8 |
| Global Perspectives (AS-Level) | A - E | NEW 197 | 3 |
| Global Perspectives (A-Level) | A - E | NEW 197 | 6 |
| History (AS-Level) | A - E | HY 197 | 3 |
| History (A-Level) | A - E | HY 197 | 6 |
| Language and Literature in English (AS-Level) | A - E | EN 101 | 3 |
| Latin (AS-Level) | A - E | LA 101 | 3 |
| Literature in English (AS-Level) | A - E | EN 101 | 3 |
| Literature in English (A-Level) | A - E | EN 101 & EN 102 | 6 |
| Marine Science (AS-Level) | A - E | BSC 197 | 3 |
| Marine Science (A-Level) | A - E | BSC 197 | 6 |

| | | | |
|-------------------------------|-------|---------------------|---|
| Mathematics (AS-Level) | A - E | MATH 115 | 3 |
| Mathematics (A-Level) | A - E | MATH 125 & MATH 197 | 7 |
| Music (AS-Level) | A - E | MUS 197 | 3 |
| Music (A-Level) | A - E | MUS 121 & MUS 197 | 6 |
| Physics (AS-Level) | A - E | PH 197 | 4 |
| Physics (A-Level) | A - E | PH 101 & PH 102 | 8 |
| Psychology (AS-Level) | A - E | PY 101 | 3 |
| Psychology (A-Level) | A - E | PY 101 & PY 197 | 6 |
| Sociology (AS-Level) | A - E | SOC 101 | 3 |
| Sociology (A-Level) | A - E | SOC 101 & SOC 197 | 6 |
| Spanish Language (AS-Level) | A - E | SP 101 | 4 |
| Spanish Language (A-Level) | A - E | SP 101 & SP 102 | 8 |
| 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

¹ 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.

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.

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 Veteran Affairs.

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.

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.

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, 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 regional accrediting agencies. 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

1. 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 regional accrediting associations below. Institutions that have been granted official candidacy status by a regional accrediting association 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)
2. Collegiate work from postsecondary institutions not fully accredited by regional accrediting associations 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>.

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 regionally accredited institutions or from institutions that are candidates for regional accreditation if the course credit was earned during the candidacy period.
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 credits 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
 - courses in religion that are doctrinal, confessional, or sectarian in nature
 - courses applying to a previously earned baccalaureate degree
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.

Transfers Within the University

A student registered in an undergraduate division of The University of Alabama who has earned fewer than 45 semester hours may transfer to another undergraduate division. A student who has earned 45 or more semester hours may transfer to another undergraduate division according to the rules established by the division to which he or she is applying. Credit will be given for courses in which a passing grade has been earned, provided the courses transferred are appropriate to the new curriculum. Credits accepted for graduation are determined

by the academic division into which the transfer is made. Check the DegreeWorks audit at myBama.ua.edu to determine how credit is being applied in the new program of study.

Changes in the student's major(s) and minor(s) must be registered with the new academic division immediately following the transfer. Transfers between academic divisions will not be permitted once the registration process has been completed for a given term. At the discretion of the school or college concerned, a student may, upon entering another division of the University, petition to discard all credit previously earned. This recourse is limited to students who have attempted no more than 20 semester credit hours.

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. 371) section of this catalog provides information regarding the effects of withdrawal upon tuition and 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 CodeS3 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 the 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) and send the completed form by fax (205-348-7174), email (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) by fax (205-348-7174), email (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). 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). 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) must be submitted to the Student Health Center, by fax (205-348-7174), email (medwithdrawal@ua.edu) (medwithdraw@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) 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 the appropriate 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/.

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. 339)

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. 341)

Honors

A dean's list of superior students is compiled and published at the close of each semester. Read more. (p. 343)

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. 344)

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/.

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 30 hours earned in law courses |
| Second-year law student | 30 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.

Course Inventory

This page contains a listing of all active 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.

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

Hours 3

This course offers a survey of such genres of American folk culture expression as ghost stories, urban legends, foodways, music, and folk art—paying special attention to how these diverse forms of expression reflect and shape particular regional, ethnic, class, and gender identities. Course materials include ethnographic writing, sound recordings, film, and folklore scholarship. The course also will devote attention to 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.

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

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 mainstays 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 American Topic Seminar

Hours 3

Study of special topics within the American cultural experience. Recent examples include American Thought, Sports in American Life, American Perspectives on the Environment, the Civil Rights Movement, the Picture Press, Music and Ethnicity, the Politics of Culture, Regionalism, Homelessness in America, American Autobiography, American Monuments, Southern Popular Culture, Politics and Culture, Historical Memory, America by Design, Women in America, Race in America, 19th-Century Popular Culture, and Disasters in America.

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.

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.

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 & 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

Ancient Maya civilizations in Mexico and Central America from the earliest inhabitants until the Spanish Conquest.

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 & 3 additional hours, or consent of instructor.

Writing

ANT414 Peoples Of Africa

Hours 3

A review of selected aspects of the customs, social systems, and cultures of African societies.

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

ANT419 Myth, Ritual, And Magic

W

Hours 3

Survey of the anthropological literature on religion, including such topics as myth, ritual, magic, witchcraft, totemism, shamanism, and trance states. Offered according to demand. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required 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 or REL 100

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 Cultural Resource Management

Hours 3

This course is an overview of Cultural Resource Management archaeology, including the historical background and development of the field, the legal and regulatory framework to CRM archaeology, the methodologies and techniques employed, and how the legislative requirements are implemented at the federal, state, and local levels. Students will learn how to craft and submit proposals, develop and manage budgets, design and implement fieldwork, conduct and supervise data analysis, and how to author and submit reports. Upon completion of this course, students will be prepared for entering a career in CRM archaeology.

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

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

ANT468 Ceramics for the Archaeologist

Hours 3

Ceramics are the most ubiquitous and variable materials on many archaeological sites and, as such, they offer archaeologists a vast amount of information about the past. In this class, we approach ceramics from the perspective of research questions, and investigate how analytical techniques can help address them. The class also has a large practical component. Students will conduct analyses on collections and present their findings at the end of the class. This course is meant to provide a framework for developing hypotheses, methods and skills directly applicable to senior projects, MA theses, and Ph.D. dissertations.

Prerequisite(s): This is a course about archaeological research, therefore, it is restricted to undergraduates that have ceramic collections that they want to study as part of a senior or honor thesis. Undergraduate prerequisites for this course include 1) permission of the instructor, 2) 12 hours in anthropology, and 3) ANT 107 "Introduction to Archaeology"

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 4

Detailed introduction to human osteology emphasizing the identification of fragmentary remains and the criteria for determination of age, sex, and race. Two hours- lecture, two hours- laboratory. Offered according to demand.

Prerequisite(s): ANT 270, and a "C" average.

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 or by permission of the instructor.

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 or permission of the instructor.

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

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

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

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

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

ARH402 Paul R. Jones Collection of American Art K-12 Program

Hours 3

This program is designed to offer graduate and undergraduate students the opportunity to conduct interdisciplinary community engagement activities via with the College of Arts and Sciences's Paul R. Jones Collection of American Art (PRJCAA). Central to this course is student use of the PRJCAA to engage K-12 pupils and their teachers in the Tuscaloosa area. Students will learn about the PRJCAA including its content, mission, and goals. They will also begin investigating foundational readings in community engagement scholarship. To join this class, students must complete an application and interview process. This course does not meet at regularly scheduled class times during the day and much of course itself is conducted off-site at a school within the Tuscaloosa City School system. Students must undergo a mandatory (state required) background check before starting the program.

Prerequisite(s): Permission of the Instructor

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 or permission of the instructor.

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 Lorde 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 ARH courses or permission of the instructor

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

ART309 Navigating The Art World

W

Hours 3

The theory and history of the art institutions that shape artists' careers and practical strategies for sustainable creative opportunities beyond the degree. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required 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 110 and ART 210 and ART 130 and ART 131 Plus any two from the following list: ART 212 or ART 216 or ART 218 or ART 220 or ART 222 or ART 224 C- or higher required

Writing

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.

Prerequisite(s): ART 214 or ART 224

ART315 Digital Layout and Production

Hours 3

Further development of design methods and processes including grids, page layout, visual communication, and digital design production.

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

ART328 Digital Photography

Hours 3

This course will cover all aspects of digital photography from picture-making to output. 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. All elements of traditional (scanning) and RAW workflow will be considered from acquisition through editing and output. Aesthetically, these skills will be put into practice in 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

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 & 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

ART428 Advanced Digital Photography

Hours 3

The course will expand upon digital skills for the photographer / digital artist presented in Art 328. This course presents technical, aesthetic and conceptual concerns at an advanced level. Content will be delivered through lecture, demonstrations, workshops, and experiential learning. The primary emphasis is on student-driven production of fully realized artworks. There will be regular critiques to facilitate the creative process. There will be a survey of contemporary photo / digital artists to stimulate ideas, discussion and practices across numerous conceptual themes. The semester will culminate in the production of a final portfolio and works presented for exhibition. Topics will vary as course is repeated for credit.

Prerequisite(s): ART 328

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

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 (B³) 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.

Prerequisite(s): MATH 100 or MATH 112

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): BSC 114 and BSC 115 or BSC 118

Natural Science

BSC117 Biology II Laboratory

N

Hours 1

No description available

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): BSC 114 and BSC 115 or BSC 118

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): BSC 114 or BSC 118; and CH 102 or CH 118

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

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

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.

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

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

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 CD 244 CD 275

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

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): MATH 113 or (MATH 115 or MATH 125 or MATH 145 or MATH 126 or MATH 146 with concurrent enrollment allowed)

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, CH 101, or CH 117 MATH 112 or 115

Prerequisite(s) with concurrency: MATH 113

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.

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

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 and 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): 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

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): 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): CH 223 and CH 341 and CH 348

Prerequisite(s) with concurrency: 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 mechanistic 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): 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 300

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

CH473 The Study of Oenology

Hours 3

The course will focus on the complex chemical substances and chemical transformations responsible for the flavor, aroma, texture, & color variations in wine. Oenology exposes students to the process of making wine from growing grapes used in wine-making to fermentation of fruit sugars through yeast growth and accompanying chemical transformations.

Prerequisite(s): CH 232 and CH 338

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

Hours 3

Are there fortune cookies in China? What makes Chinese people Chinese? Delivered in English, this course provides an introduction to Chinese culture and society. In this course, we particularly explore and examine the key transformations that occurred in contemporary and modern Chinese society and its role in the world under the influence of globalization. While its focus lies in modern China, this course provides an overview of many traditional heritages and of how they have deeply affected and shaped Chinese culture.

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

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

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 use 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 Film

Hours 3

This course integrates literature, history, and film. Many of the films we watch attempt to reconstruct the ancient world to some degree of accuracy, while others are inspired by themes of ancient literature, but without regard to historic authenticity. Students read several primary sources to help them discern inauthentic elements or appreciate good interpretations in film.

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.

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 3

No description available

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.

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

EN155 Freshman Seminar

Hours 3

College-level expository writing, critical reading, basic citation, and the rhetorical tools needed to participate successfully in the University of Alabama discourse community. This course is for students who have credit for EN 101 and are participating in the Women in STEM LLC.

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 Anglo-Saxon period to 1800, including, Chaucer, Shakespeare, and Milton.

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 Enlightenmt

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.

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 Styd 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 Stdy 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

EN499 Honors Thesis

UH, W

Hours 3

The Honors Thesis in English course is an individualized, directed readings class that culminates in a 30-50 pp. thesis. It is the final required course for the Honors in English program. Each student enrolled will work individually with a faculty mentor. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required 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 399

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

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

FR331 French Civilization

Hours 3

The course is also taught abroad as FR 339. Study of French artistic heritage and development of social and political institutions. Offered alternate fall semesters.

Prerequisite(s): FR 321 or FR 322 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

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.

Prerequisite(s): FR 321, FR 323, FR 324, or FR 331

Foreign Language, Humanities

FR431 Contemp French Civiliztn

Hours 3

Exploration of the political, technological, and cultural movements of France from 1871 to the present. Offered alternate fall semesters.

Prerequisite(s): FR 321 OR FR 322 OR FR 323

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*FC, 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

Freshmen Composition, Foreign Language

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 Converstn 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.

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

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. & 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-

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.

GEO492 Geologic Field Writg Tech

Hours 2

Introduction to the methods of field geology, geology of the southeastern U.S., geological writing, and presentation techniques. Offered according to demand.

Prerequisite(s): GEO 367

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

Hours 3

Introduction to gods and myths of the early Germanic peoples as represented in writing and art, as well as the impact of Germanic mythology on Western culture and civilization.

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 Germln 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

Hours 1-4

Students planning to enroll should confer with the instructor before registration.

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.

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

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.

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

GY365 Industrial Develop & Location

Hours 3

Systematic study of the principles and processes underlying the development, location, and spatial organization of economic activities from both a national and international 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

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

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 Transport Geography

Hours 3

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

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.

HY300 Special Studies in History

Hours 3

Special studies in history. May be repeated for a maximum of 18 hours.

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.

HY314 Coming Of The Civil War

Hours 3

American history from 1815 to 1861, giving special emphasis to the development of a distinctive American culture and the factors within that culture that led to the Civil War.

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 How America Fights: War and Society since 1898

Hours 3

This course will engage students in the study of war and American society since 1898. It is not a class about military strategy or foreign policy. Rather, we will survey the radiating impact of armed conflict and military service on individuals, communities, culture, and politics. And in the other direction, we 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.

HY331 Religion and Civil Rights

Hours 3

Course Description: This course in History and African American Studies surveys the interaction of religion and civil rights during mid-twentieth century America. While national in scope, it will pay special attention to the place of Alabama and particularly Tuscaloosa. The guiding question for the course will be what difference religion make – or did not make – in the development of the civil rights movement.

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?.

HY334 The Nineteenth Century City

Hours 3

Consider our ability to walk into a store and buy something already made off the rack. Or baseball, the All American sport. Or living in an apartment house beside people who are very different from us. What do these three things have in common? The answer is this: they can get us on our way to talking about the beginnings of city life in the United States during the nineteenth century. This course will explore the emergence of urban life in this country by exploring several issues, among them race, class, gender, culture, labor and geography.

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.

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.

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 religions 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

HY399 History Honors Colloquium*UH*

Hours 3

Focuses on the discipline of history itself. Will examine some of the fundamental questions about what history is and why the study of history matters. Subject matter varies by term.

University Honors

HY400 Special Studies in History

W

Hours 1-6

Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required of an upper-division student will not earn a passing grade, no matter how well the student performs in other areas of the course. May be repeated for a maximum of 18 hours.

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

HY408 Colonial Us to 1763

Hours 3

Topical survey of major themes in U.S. colonial history, with particular emphasis on Anglo-American developments.

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

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.

HY426 History of Strategic Intelligence

W

Hours 3

This course will evaluate the historical importance of strategic intelligence. It will also examine the extent to which world leaders have utilized or ignored intelligence in shaping diplomatic and military policy. Various uses of intelligence—collecting information, analysis, counterintelligence, and secret operations—will be explored with an emphasis on the period from the American Revolution to the modern era. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required 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

HY429 Spanish Frontier in N. America

Hours 3

History of the Spanish advance into the present-day borders of the U.S., explaining how Spain fought and finally succumbed to the more dynamic and aggressive French and English.

HY430 UG Research Seminar

W

Hours 3

This course offers students extensive training in 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

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

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

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.

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

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

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

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

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 237 and C- or higher in (CS 100 or CS 110 or CS 322 or AEM 249 or MIS 221 or ECE 285 or RRS 101)

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 237 and C- or higher in MATH 238 and C- or higher in (CS 100 or CS 110 or CS 322 or AEM 249 or MIS 221 or ECE 285 or RRS 101)

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): (MATH 227 or MATH 247) and MATH 237 and (CS 100 or CS 110 or CS 322 or AEM 249 or ECE 285 or MIS 221 or RRS 101)

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 237 and C- or higher in (MATH 227 or MATH 247) and C- or higher in (CS 100 or CS 110 or CS 322 or AEM 249 or ECE 285 or MIS 221 or RRS 101)

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): MATH 486

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 301 and C- or higher in MATH 371

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 Reimann-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 & 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***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

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

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

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

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.

Prerequisite(s): MUS 325

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 Prerequisite: MUA 199
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 Prerequisite: MUA 199

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 courses 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 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

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 you 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 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.

NEW311 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.

NEW312 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.

NEW313 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.

NEW314 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.

NEW315 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.

NEW316 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.

NEW317 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.

NEW318 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.

NEW319 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.

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.

NEW366 Waterways

Hours 3

This experiential seminar explores the natural history and ecology of our waterways, and examines the human dimensions of control and management, including policies and regulations to support environmental and human uses. Through readings, discussions, films, and field trips, we will explore the natural beauty and diversity of our aquatic ecosystems, and the ways in which we interact with our environment, both positively and negatively. In addition, we will examine current threats and impacts that development, pollution, and management have on our waterways, and consider policies designed to regulate or mitigate these impacts. This course includes field trips, some of which may occur outside of the regularly scheduled class period.

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 Dialogues

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' Studies

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 3-4

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.

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

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

PH496 Independent Study II

Hours 1-3

*No description available***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

Through analyzing influential arguments from the history of philosophy, including arguments concerning questions of values, ethics, and aesthetics, students will learn to apply tools and methods of formal deductive logic. Such analytical tools include the construction of proofs and countermodels to evaluate philosophical arguments as well as arguments concerning other topics.

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

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, you will explore and analyze influential arguments from the history of philosophy, including arguments concerning questions of values, ethics, and aesthetics. You will learn to apply tools and methods of formal deductive logic to those arguments, and to appreciate the breadth of topics for which such analysis is appropriate. You will use analytical tools such as the construction of proofs and countermodels to evaluate philosophical arguments as well as arguments concerning other topics. The arguments analyzed in this course include a number of influential arguments from the history of philosophy.

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 will focus on the major themes of ancient Greek philosophy, from the earliest pre-Socratic philosophers, through Plato and Aristotle, to the later Epicureans, Stoics, and Skeptics. We will proceed chronologically and pay special attention to the systematic connections between metaphysics, epistemology, and ethics in each school of thought, as well as the development of later views in light of criticisms of earlier ones. The aim of this course is to provide students a reasonably comprehensive background in the main areas of Western analytic philosophy through an examination of some of the earliest systematic philosophies.

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. Prereq: at least one prior philosophy class with a B or better.

Prerequisite(s): One prior PHL class with a B or better

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.

PHL391 History of Philosophy

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.

Prerequisite(s): Successful completion of at least 2 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

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.

Prerequisite(s): B or better in a 200-level course from the jurisprudence list* or instructor's approval, or an A- or better in any PHL class with a writing designation. *PHL 292 or PHL 221 or PHL 230 or PHL 234 or PHL 240 or PHL 241 or PHL 242 or PHL 243 or PHL 256 Note from professor: a "B-" in the above courses is not sufficient

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

Contemporary Portuguese: 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. This course is intended for students with NO PRIOR KNOWLEDGE of Portuguese. Native speakers of this language may not take this course. Any student with background knowledge Portuguese must see the CLC director before registering for permission to take it. This course is 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

POR102 Elementary Portuguese II

FL

Hours 3

Contemporary Brazilian Portuguese: 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 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 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): POR 101

Foreign Language

POR201 Intermed Portuguese I

Hours 3

Continuation of Portuguese language on the intermediate level. Emphasis is on the development of reading skills and writing proficiency. Not repeatable without permission of CLC director. Offered according to demand. The CLC classes are self-instructional and are best suited for highly motivated and disciplined students.

Prerequisite(s): POR 102

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.

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 Consttn 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

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.

Prerequisite(s): Sophomore standing or permission of the instructor

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.

Prerequisite(s): PSC 203 or permission of the instructor

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 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.

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

PSC416 Migration and American Politics

Hours 3

This course examines how great movements of people have shaped American politics and policy.

Prerequisite(s): None

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, Writing Intensive

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

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 inventions, 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.

Prerequisite(s) with concurrency: 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.

Prerequisite(s) with concurrency: PY 355

PY357 Advanced Statistical Methods: Regression

Hours 3

Regression models are ubiquitous in both social and psychological sciences. Understanding the fundamentals of these models is critical to a solid career in science. The purpose of this course is to provide students with in-depth knowledge of regression analysis, such as linear regression, model selection, and logistic regression, including topics such as generalized linear models and parameter estimation.

Prerequisite(s): PY 101 PY 211

PY358 Abnormal Psychology

Hours 3

Etiology, symptomatology, and treatment of the major mental behavioral 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, neopsychoanalytic, 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

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.

REL373 Seminar Rel 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.

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 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

REL430 Religion and Literature

W

Hours 3

This course will examine religion and literature in light of what both discourses rely heavily on: namely, canon formation. From a critical starting point that views these two categories as socio-cultural products, we will discuss problems of authorship, readership, and canonicity with a particular eye toward the questions and implications of decisions that are made regarding what “counts” in literary or religious traditions. An important component of the seminar is the mastering the steps in the writing process, which we will be utilizing throughout the semester. These steps include 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

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

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 & 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 Commercial Spanish

Hours 3

Spanish business vocabulary and practices. Offered in the spring semester.

Prerequisite(s): SP 353 and SP 356 or permission of the instructor.

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, SP 356 and SP 364 or 366 (Civilization) with a grade of C or better.

SP364 Spanish Civilization

Hours 3

The course is also offered in Spain as SP 363. Study of Spanish artistic heritage and social and political institutions.

Prerequisite(s): SP 353 and SP 356

SP366 Spanish-American Civ

Hours 3

Study of the development of Spanish-American civilization from pre-Colombian times to the present.

Prerequisite(s): SP 353 and SP 356

SP367 Technical Writing

Hours 3

This course will teach students how to understand and write documents in technical areas usually not taught in conventional language courses. Emphasis on written expression. Students will practice and improve knowledge of Spanish grammar and syntax.

Prerequisite(s): SP 353 and SP 356 or permission of the instructor.

SP371 Survey Of Spanish Lit

W

Hours 3

SP371 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. Written assignments will require coherent, logical and carefully edited prose. These assignments will also require students to demonstrate higher-level critical thinking skills, such as analysis and synthesis.

Prerequisite(s): SP 353 SP 356 SP 364 or SP 366 or placement test

Writing

SP372 Survey Of Spanish Lit

W

Hours 3

This course examines 18th to 21st century Peninsular Literature and Culture. Throughout the semester, we will read and study a wide corpus of representative authors, genres, and literary movements from this time period. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required 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 364 or SP 366

Writing

SP375 Masterpc Sp-Amer Lit I

Hours 3

Study of selected great works in the development of Spanish-American literature from the colonial period to modernism. Offered in fall semester.

Prerequisite(s): SP 353, SP 356, and SP 366 (or SP 364); or permission of the instructor

SP376 Masterpc Sp-Amer Lit II

W

Hours 3

In this course, we will discuss the importance of literature in developing ideas about Latin American citizenship and identities during the late 19th, 20th and early 21st centuries. By reading and studying some of the most canonical Spanish American works from different literary genres and regions, you will become familiar with issues Latin Americans have faced over the course of these centuries, such as race, gender, tradition, violence, migration, and various ideals. In its content and format, this course fosters your critical thinking through written and oral communication, which you will practice through the contextual as well as textual analysis of the representative works chosen for this course. To this end, we will devote most class time to discussion and analytical activities, and all evaluations will focus on these skills. This is a Writing Class (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): SP 353 and SP 356, and either SP 366 or SP 364

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 Linguistic Fundamentals of the Study of the Spanish Language

Hours 3

This course introduces students to the study of the Spanish language using modern methods of linguistic analysis in order to observe how the Spanish language is formed from sounds to words, and from sentences to social interactions. Taught in Spanish.

Prerequisite(s): SP 353 and SP 356 or permission of instructor

SP384 Spanish Pronunciation: From Theory to Practice

Hours 3

The purpose of this course is to provide students with 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, SP 356, and two of the following: SP 371, SP 372, SP 375, SP 376 or SP 377

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 20th Cent Spanish Lit II

Hours 3

Reading and discussion of complete texts representative of the literary movements of the period; lectures and reports. Offered in alternate years.

Prerequisite(s): SP 353, SP 356 and two of the following: SP 371, SP 372, SP 375, SP 376 or US Latino Literature.

SP430 Spanish Culture Through Film

Hours 3

This course examines contemporary Spanish culture through visual representations. By analyzing a variety of films, students will increase their understanding of the social, political, and cultural changes that have occurred in Spain in the 20th and 21st centuries.

Prerequisite(s): SP 364 or SP 366 and SP 371, SP 372, SP 375, SP 376

SP483 Intro to Spanish Linguistics

Hours 3

In the Introduction to Spanish Linguistics we study the Spanish language using linguistic analysis in order to discover its underlying structure, which may be taken for granted when simply speaking the language. We examine 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). Taught in Spanish.

Prerequisite(s): SP 353 and SP 356 or permission of instructor

SP484 Phonetics And Pronunciation

Hours 3

Introduction to Spanish phonetics with emphasis on the development of correct pronunciation and basic phonetic transcription.

Prerequisite(s): SP 353, SP 356, and two of the following: SP 371, SP 372, SP 375, SP 376 or US Latino literature.

SP485 Open Topics in Linguistics

Hours 3

Topics vary. Sample topic History of the Spanish Language.: This course provides students with an examination of the evolution of Spanish from Latin to modern Spanish. Both internal and external factors will be addressed, including sound change, word formation, syntax and vocabulary, as well as influence from other languages. In doing so, students will be able to observe how variation in earlier forms of Spanish has led to the creation of different dialects found in modern Spanish. Students will also have the opportunity to analyze medieval and classical Spanish texts in order to trace the development of Spanish along different levels of linguistic analysis. The role of orthography at the various stages of evolution will also be addressed. Taught in Spanish.

Prerequisite(s): SP 353 and SP 356 or permission of instructor

SP487 Open Topics in US Latino Studies

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): SP353 SP356 and two of the following: SP371, SP372, SP375, SP376 or SP377 or permission of the instructor

SP488 Open Topics Sp Penin Lit

Hours 3

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.

SP489 Open Topics Sp-Amer Lit

Hours 3

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, or US Latino literature.

SP490 Open Topics

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.

SP491 Cervantes

W

Hours 3

SP 491 is designed to allow students to familiarize themselves with Cervantes' writing by reading both parts of his famous masterpiece – Don Quijote (Part 1 published in 1605, Part 2 in 1615). Although this course will show students a variety of the main critical approaches to Cervantes' novel, our focus will not be solely on reading what other critics have said about Don Quijote, but on allowing each student to develop their own interpretation of the 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.

Prerequisite(s): SP 353 and SP 356, 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 Introduction to Practicum

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, working in the shops, or working in the box 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.

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 I

Hours 1

Participation in University Theatre productions through a rotation of assignments in the scene shop, costume shop, box office, and show crews.

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

TH375 The Singing Voice - Intermediate

Hours 2

This class is designed to further students' understanding of basic concepts of vocal technique and musicianship through practical application. Students will discuss various topics related to singing and will further explore those topics through performance. Students will give four solo performances over the course of the semester per the schedule listed below.

Prerequisite(s): TH 175

TH391 Practicum II

Hours 1

Participation in University Theatre productions through a rotation of assignments in the scene shop, costume shop, box office, and show crews.

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

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 4: 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.

Prerequisite(s): TH 242 and TH 441

TH445 Acting 5: Acting Shakespeare

Hours 3

Study and practice of acting in verse drama, concentrating on the particular demands of Shakespeare's works.

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

Hours 3

The course introduces the fundamentals of writing for the stage. Practical instruction in playwriting includes an opportunity to write a one-act play. This course is offered in alternate years.

Prerequisite(s): TH 120 or TH 220

TH491 Practicum III

Hours 1

Advanced participation in University Theatre production through design/ leadership assignments in scenery, lighting, properties, sound, costuming, publicity, and other areas.

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 preceding 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."

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.

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.

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

WS420 Women On Screen

Hours 3

This course wrestles with concerns and key debates that surround the place of women in film and television and the questions that gender studies raises about representation, consumption, authorship, and spectatorship. To enter these debates, we will examine the role of women both in front of and behind the camera predominantly through U.S. media history, although notable developments in global cinema (particularly in terms of female directing) will be addressed. While film history and criticism will be the background for course discussions, the main objective is to consider more broadly how women have acted as consumers and viewers of popular media including television, how they have been portrayed in mainstream U.S. culture, and how they have created their own representations of gendered experience. Particular attention will be paid to how other identities such as those based in race, class, sexuality, and age have intersected with gender to inform both consumers and creators of visual media.

WS425 Monsters in Popular Culture

Hours 3

This interdisciplinary seminar will critically engage with the concept of the monstrous "Other" from the perspectives of gender and race studies. Examining a variety of texts—from films, television, and works of literature to police reports, psychology texts, and medieval manuscripts—this course will explore how the monster has been constructed historically and culturally as a defining opposition, the Other against which the dominant or privileged defines itself. What lies outside of, what must be expelled from, what needs to be repressed in dominant culture is figured in or inconveniently rises up as the "monster." He/she both haunts and polices the boundaries of normative sexuality, the gender binary, and racial privilege. In this course, we will read critical, historical, and theoretical material as a lens through which to critique primary texts, or what one might call our monstrous examples (from American Horror Story to Edgar Allen Poe's "The Fall of the House of Usher"). As a seminar, this highly interactive course enables students to critically engage with content in responsible ways and is designed to explore interdisciplinary approaches to a particular issue, theme, or problem. Within this format, students can expect a reading- and discussion-intensive course with opportunities for self-directed inquiry as well as collaborative work.

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.

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 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 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 two 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 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 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 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 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 two 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

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 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)

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

FI341 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

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 Buffet.

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)

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 341 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 341 and (FI 302 or CE 366)

FI444 Life & Health Insurance

Hours 3

Detailed analysis of life insurance and health insurance with emphasis on their role in employee-benefit planning. Specific provisions of qualified retirement plans. Current problems facing the life insurance industry and analysis of the distribution system for life and health insurance. Topics in management of life and health insurance companies and agencies.

Prerequisite(s): (EC 110 or EC 112) and (EC 111 or EC 113) and FI 341 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 341 (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.

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.

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.

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

Survey course describes entrepreneurs, different types of opportunities, how entrepreneurs creatively discover or recognize them, and exposes students to each stage of the new venture start-up process. Reviews special issues pertaining to different types of small 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 AC 211) and (LGS 200 or LGS 201) and ST 260

MGT387 Creating, Recognizing, Evaluating and Pitching Opportunities

Hours 3

First of two courses that go in-depth through each start-up stage, including creativity, opportunities, business models, feasibility, and pitching. Emphasizes personal selling and presentation skills.

Prerequisite(s) with concurrency: MGT 386 (Grade of C- or better)

MGT388 Starting, Growing, and Harvesting New Ventures

Hours 3

Second of two courses describes in-depth each start-up stage, including legal forms, regulatory obligations, negotiating inputs, leadership, building a team, managing growth, and harvest strategies.

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 Communication

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)

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.

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

MKT310 Principles of Social Media

Hours 3

A survey of interactive, electronic media and technology that enable organizations to 1) acquire products, services and materials from suppliers, 2) market goods and services to customers, 3) allow members of the organization to communicate with each other, and 4) monitor the external environment. Students develop e-commerce-related skills to design and execute a firm's marketing efforts, including Web project management, electronic market development and management, Web-enabled selling, and other emerging areas of marketing.

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

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)

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

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 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

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 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

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): (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

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 EC 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): (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

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

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.

Prerequisite(s): OM 305 and OM 375 and OM 310 and OM 321

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 Phase 2 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

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): 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

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 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 Professional 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.

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).

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

W

Hours 3

This course covers the preparation of copy for publication across media platforms, with an emphasis on careful writing, accuracy and 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. 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-

Writing

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 with a C- or higher

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 320 and JCM 323

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): JCM 303 and (JCM 325 or JCM 425 or JCM 444)

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

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 and Sports 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): JCM 331

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 & Reguln

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 Communic

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

CHS101 Emergency Medical Services I

Hours 3

*No description available***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

CHS224 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.

CHS235 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 the evidence-based knowledge and tools to understand and address health inequities in their research and practice.

CHS335 Population Reproductive Health

SB

Hours 3

An introductory undergraduate level course designed to teach learners to examine reproductive health issues from a population health perspective.

Social and Behavioral Sciences

CHS400 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.

CHS420 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.

CHS422 Community Clinical Proc

Hours 3

A combination of scheduled sessions and fieldwork. Field work includes visiting with assigned rural advisor, completing a rural community assessment, and assisting with community health screenings and education programs.

CHS423 Indep Stdy Community Med

Hours 1-6

An individual learning experience that involves the student in documentation of, evaluation of, and/or strategic planning for solving a community health problem.

CHS425 Biostatistics

Hours 3

Statistical methods and concepts particularly appropriate for biomedical research and health-related subjects.

CHS427 Health Policy & Planning

W

Hours 3

A problem-based learning seminar that introduces the student to the field of health policy and planning. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required 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

CHS432 Comm Clinical Process II

Hours 3

Continuation of studies from CHS 422, including introduction to basic physical assessment techniques and continuation of a community project.

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

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

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

Hours 3

The goal of this course is to 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.

Prerequisite(s): BEP 350 and BER 345 and BEP 305

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 Topics in Ed Neuro: Reading, Language 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 Graves 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 Clinicl 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

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.

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. To convey knowledge of basic rules in specific sport activities and also gain experience teaching sport rules to perspective officials.

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.

KIN385 Coaching Golf

Hours 3

This course is designed to provide students with the skills and knowledge to coach the sport of golf.

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.

KIN464 Admin Phys Educ & Sport

Hours 3

Organization and administration of health, physical education, and athletic programs for elementary and secondary schools.

KIN468 Adapted Physical Education

W

Hours 3

The course includes basic information on disability sport and physical education programs; roles of various service agencies and organizations; state and federal legislation; and 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 to apparently healthy and 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 Graves 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 Graves 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 2

Algorithm development, numerical solution of engineering problems, and structured problem solving in C++.

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 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 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

Linear equations of motion, dynamic response, state-space methods and fundamentals of classical and modern control theory; flying and handling qualities design criteria; stability augmentation and control augmentation.

Prerequisite(s): AEM 249 or CS 100 or CS 110 or (RRS 101 and RRS 102), 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

Theoretical foundations of structural dynamics and application of methods to modeling, analysis, and design.

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

AEM481 Complex Engineering Systems

Hours 3

Introduction to the concepts and techniques associated with the analysis of complex systems, dynamic systems, chaos, lumped parameter modeling, feedback, networks, thermal/electrical circuit analogies, entropy.

Prerequisite(s): AEM 349 or ME 349, ME 215, MATH 238

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

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 Eng

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

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).

CE320 Intro Environmental Engineerg

Hours 3

Introduction to the scientific and engineering principles needed to analyze and solve environmental engineering problems, and lab experience in the practice of environmental engineering related to air, water and waste water management. Writing proficiency within this discipline is required for a passing grade in this course.

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 340 plus 4 of the following (CE 320, CE 331, CE 350, CE 366, 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

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): CE320 and CE378 and GES 255

Prerequisite(s) with concurrency: CE 424

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): CE 340

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

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

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

CS322 Python Programming

C

Hours 3

A course designed to introduce programming and problem solving using Python. This class is not cross-listed as a graduate course. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MATH 112 or higher

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 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

CS415 Software Design & Development

Hours 3

Object-oriented design and development using UML and Java, design patterns, and architectural patterns.

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.

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): (CS 403 or CS 470 or CS 475) Minimum Grade of C- AND three additional hours of 400-level CS classes

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.

Prerequisite(s): PH 106 or PH 126, 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 MATH 238 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 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 106 or PH 126, 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

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

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. 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

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

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. 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 333 and 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

Prerequisite(s) with concurrency: ECE 333

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 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

SB

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.

Social and Behavioral Sciences

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

Properties of matter; processes in fluids; zeroth; first and second laws; irreversibility.

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

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

An overview of the three modes of heat transfer, which includes steady and unsteady conduction, convection and radiation heat transfer.

Prerequisite(s): MATH 238 and ME 215 and AEM 311

ME349 Engineering Analysis

C

Hours 3

Elements of statistics, matrix algebra, numerical analysis, and differential equations applied to engineering problems; includes extensive computer applications. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MATH 238

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 Contrl Instrumnt 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 Manufacturg 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 Heatg Ventilat Air-Condg

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 Conservtn & Manag

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

ME418 Combustion Engines

Hours 3

Theory, design, and performance of combustion engines; fuels, oxidants, and propellants; and combustion, dissociation, ionization, and engine emissions.

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

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 and pulleys), mechanisms (linkages and cams), shafting, bearing systems and prime movers.

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 & 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

Teach the fundamental concepts in robot mechanics, planning and control, and enable the students to conduct basic kinematic and dynamic analysis for manipulator-type and mobile robots.

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.

ME497 Mechanical Engineering Project

Hours 1-3

An individual analytical, experimental or design project. Research on an assigned problem culminates in a required report.

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

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

MTE416 Fundamentals of Foundry Processing

C

Hours 4

Metal casting 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. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MTE 362 and MTE 380

Computer Science

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 components 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*UH*

Hours 4

Taken by first-year students in the Randall Research Scholars Program, this course provides an accelerated introduction to computer hardware and software. Open only to students admitted to the Randall Research Scholars Program.

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 software 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 computer-oriented 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 computer-oriented 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 computer-oriented 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 computer-oriented 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 computer-oriented 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 computer-oriented 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

UFE103 The Black Belt Experience*UH*

Hours 3

The UFE Freshman cohort lives and works in the Black Belt of Alabama on projects developed during UFE102. This course addresses students' abilities to engage with continuing questions of values, ethics, and aesthetics as they relate to their work in the community—and ongoing work in and out of the classroom when we return to campus. Students examine these questions through approved service work and deep analysis in the humanistic fields of literature, philosophy, religious studies, speech, foreign languages, art, music, and dance, among others. This course is broad in scope and content, representing the convergence of many individual student experiences in one community.

Prerequisite(s): UFE 101 or UFE 102

University Honors

UFE201 Systemic Change Through Social Entrepreneurship*UH*

Hours 1

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 1

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): UFE 302

Prerequisite(s) with concurrency: UFE 302

University Honors

UFE350 Black Belt Experience*UH*

Hours 3

The UFE freshman cohort lives and works in Perry County, Alabama for three weeks during the month of May. During this time, projects developed during UFE 102 are implemented and relationships with community members are built.

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

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 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

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

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

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 (concurrent enrollment allowed)

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

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

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 (concurrent enrollment allowed)

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. Throughout the course, we will explore the role of language in society and in our own personal development. We will pay particular attention to the influence learning an additional language has on us – before and during our experiences in other communities. That is, we will reflect on how acquiring another language may change us and impact our own identities. Additionally, we will further refine our understanding of culture and knowledge via our discussions. Throughout the semester we will strive to understand the impact of our varied linguistic experiences in other countries and communities on our own personal development and on society.

Prerequisite(s) with concurrency: UH 100 or UH 110 (concurrent enrollment allowed)

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

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

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) with concurrency: UH 200 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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) with concurrency: UH 200 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202)

Humanities, University Honors

UH206 Foundations of Engaged Scholarship Development*UH*

Hours 1

Students will understand the philosophy of education as it relates to the building of curriculum and pedagogy. Students will be exposed to the foundations of education in American Society. Students will be required to spend 5 hours in Tuscaloosa City and County Public School Systems (background check required). This is a 1 hour credit course.

Prerequisite(s): UH 205

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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 (Concurrent Enrollment Allowed)

University Honors

UH229 Honors Special Topics*UH*

Hours 1-6

Special Topics.

Prerequisite(s) with concurrency: UH 200 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202)

University Honors

UH231 UA in Germany Honors*UH*

Hours 3

The UA in Germany 2020 Honors 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 (concurrent enrollment allowed)

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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 (concurrent enrollment allowed)

Humanities, University Honors

UH244 Antiquity to Modernity*HU, UH*

Hours 3

This course examines the impact of the ancient world on the life of modern women. More specifically, we examine the evolution of women's life, starting from ancient Greece (where we have the most complete evidence from sources) 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 we know it 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 us 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, we 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 (concurrent enrollment allowed)

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. We will study and discuss theories and practices of Adventure from a variety of disciplinary perspectives (literature, film, sociology, history, psychology, philosophy). We 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, we will analyze representations of identity, belief, and class in these novels, supplementing our readings with contemporary films like Wes Anderson's *Moonrise Kingdom* and Werner Herzog's *Grizzly Man*.

Prerequisite(s) with concurrency: UH 200 (Concurrent Enrollment allowed)

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 we'll examine objects and stories that collectively make up contemporary expressions of global Africanness. 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, art, 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 (concurrent enrollment allowed)

University Honors

UH250 A Republic If You Can Keep It*UH*

Hours 3

Divisiveness, alienation and polarization grip our country and our condition does not appear to be improving. There are many who believe that our form of self-governance is at risk from a variety of forces and factors. After the constitutional convention of 1787, Benjamin Franklin was asked what form of government had been established. His response was "A Republic If You Can Keep It" and his response is both the title and focus of this course.

Prerequisite(s) with concurrency: UH 200 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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? We 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 our 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 (concurrent enrollment allowed)

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 (concurrent enrollment allowed)

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) with concurrency: UH 200 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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) with concurrency: UH 200 (Concurrent enrollment allowed)

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

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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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? We 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 we 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 us understand them, or both? And what have they left us to help us understand modern political and cultural pressures that hint at radicalism or revolution?.

Prerequisite(s) with concurrency: UH 200 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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, we can begin, first, to see the power of critique and ask ourselves questions such as: Critique what? Critique why? Critique how? And secondly, we 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202)

Humanities, University Honors

UH283 Difference and Dissent*UH*

Hours 3

In this course, we 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; while we will focus 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 (Concurrent enrollment allowed)

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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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., we 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. We 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 for you to become a more critical consumer of the media and public messages you consume.

Prerequisite(s): UH 200

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 help us 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, we'll draw on knowledge from the past, present and, though we can't "shine", from potential futures, to work our way through the labyrinthian mystery that is the human race.

Prerequisite(s): UH 200

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 demand 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

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

University Honors

UH329 Honors Special Topics*UH*

Hours 1-6

Special Topics.

Prerequisite(s): UH 200 OR BUI 102 OR GBA 271 OR GBA 272 or IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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

University Honors

UH345 Difficult Women*UH*

Hours 3

In this course, we 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

University Honors

UH346 Existentialism, Race, and Gender*UH, W*

Hours 3

In this course, we 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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. In this course, we 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202)

University Honors, Writing

UH348 Green Political Thought*UH, W*

Hours 3

In this course, we 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? In this course, we 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 our present and future politics in relation to our environments. Writing proficiency is required for a passing grade in this course. A student who does not write with the skill normally required 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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, we will see that the category of "the neighbor" provides a productive starting point to begin thinking politically, economically, psychologically, and theologically. In this class, we 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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. We will question the gendering of particular crafts and how this affects our 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202)

University Honors, Writing

UH352 Southern Women Writers*UH, W*

Hours 3

In this course, we will examine the texts and traditions of women writers from the American South. Through close reading and writing, we 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. We 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 we read and write, we will also discuss our own experiences of the South, its people, and its narratives and how we 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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. We will engage with narratives throughout American history focusing on the narrative's power to define and develop social norms but also enact social change. 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 people in American Literature. We 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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. We 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

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

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, we will look at contemporary conflicts and reflect about what we may be able to take away from the historical conflicts for their solutions.

Prerequisite(s): UH 200 OR BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202)

University Honors

UH362 A Divided America*UH*

Hours 3

The class will focus on issues that divide us where we live, work, study, worship, and vote. These issues arise due to the demographics of age, sex, nationality, and race. We 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

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. Two 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. Lobbyist have replaced the press as the 4th influence on politics, why? what do they all have in common?.

Prerequisite(s): UH 200

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

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

We are saturated in gossip and rumor, essential, powerful and subversive forms of human communication, yet we commonly overlook, dismiss or trivialize their role in our society. 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. We 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 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. We look at his life, character, times, influences, ideas, works and legacy and we 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 BUI 102 OR GBA 271 OR GBA 272 OR IDMD 102 OR RRS 201 OR (UFE 201 AND UFE 202)

University Honors, Writing

UH383 Bohemianism*UH*

Hours 3

In this course we 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. Also, we will study the artistic and cultural movements and phenomena that both inspired and were inspired by these texts. We will begin with the origins of the term "bohemia" and examine how and why it came to be associated with artists, writers, and musicians. In addition, we will consider the relationship between "bohemia" and mainstream culture, to include the actual "mainstreaming" of bohemia (oxymoronic, no?), or what I like to call "fauxhemia."

Prerequisite(s): UH 200

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 (concurrent)

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): UH 200

University Honors

UH396 Honors Action Mentors*UH*

Hours 1

In this six day, field experience course, students will serve as peer mentors for the Honors Action Program. They will help immerse freshmen students in the foundations of the Honors College and community engagement. 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

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): UH200; plus 3 more hours of UH200 or UH300 level coursework

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.

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 and ATR 258 and ATR 272

Prerequisite(s) with concurrency: BSC 215 and NHM 315 and ATR 310

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

Prerequisite(s) with concurrency: BSC 215; BSC 216

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

ATR320 Integration of Clinical Skills in AT II

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 lower extremity. Clinical experiences under the direct supervision of BOC Certified and Alabama Licensed Athletic Trainers.

Prerequisite(s): ATR 257 and ATR 258 and ATR 272 and ATR 300 and ATR 310 and BSC 215 and NHM 315

Prerequisite(s) with concurrency: ATR 357 and BSC 216 and KIN 365

ATR357 Examination, Assessment & Diagnosis I

Hours 3

Study of the lower extremities as they relate to the prevention; examination, assessment and diagnosis; immediate and emergency care; and therapeutic intervention of injuries and illnesses.

Prerequisite(s): ATR 257 and ATR 258 and ATR 272 and ATR 300 and ATR 310 and BSC 215 and BSC 216 and KIN 365 and ATR 320

Prerequisite(s) with concurrency: BSC 216 and KIN 365 and ATR 320

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.

CSM116 Quantitative Methods of Finance

Hours 3

This three-credit hour course is intended to develop mathematical fluency within the context of financial planning/literacy. It is broad in scope and content rather than specific to a particular discipline, is an introduction to the basic tools and techniques necessary for the development of a successful personal financial plan over one's life span and emphasizes the use of mathematical techniques as a tool for analysis. CSM 116 includes topics such as real and nominal rates of return, probability, and algebra functions. An emphasis is placed on mathematical reasoning in solving financial problems. It uniquely serves as a course for students not intending to pursue further study in mathematics, science, or engineering, but for students who will be able to utilize mathematical tools to make sound financial decisions. Students will apply practical skills by setting and reaching financial goals as elements of an integrated system, manipulation of quantitative data, calculating future financial needs, and using mathematical induction formulas and tools to determine predictability of expected outcomes. The course commences with money management and credit use, progresses to investments, insurance, retirement planning, and culminates in wealth accumulation and estate planning as the basis for mathematical problem solving exercises. CSM 116 is designed to provide a foundation both for further study and for personal enrichment. Grades are reported as A, B, C, or NC (No Credit).

Prerequisite(s): MATH 100

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.

Prerequisite(s): EC 110 or EC 112 with C- or higher

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

CSM424 Addict. & Dysf. in Money Mgmt

Hours 3

CSM 424/524 is an exploration of addictions and dysfunctions related to managing money and finances and a brief guide for changing dysfunctional behavior related to money. The course does not provide training in diagnosing, but rather emphasizes describing behavior.

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 Plannng

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.

CSM473 Innovation and Creativity in HES Entrepreneurship

Hours 3

This course introduces students to techniques to release their inner creativity and develop creativity skills needed to become successful entrepreneurs. Apply creative thinking to: conceptualize new ventures, recognize consumer trends, and find unique market niche.

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.

CSM491 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.

CSM492 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.

CSM493 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 Interior Design

Hours 3

Introduction to the functional and aesthetic requirements of lifespaces, with emphasis on user needs and the home environment. Usually offered in summer school.

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 Matl Source Int Design

Hours 3

Study of manufacturers' products for residential and nonresidential interior design; construction materials, finishes, furniture and furnishings. Offered in the fall semester.

CTD225 Residnt Des/Graphic Comm

Hours 3

Fundamentals of residential interior design with emphasis on presentation graphics. Exploration of programming, universal access, and lighting for the residential environment. Offered in the fall semester. Two laboratories.

Prerequisite(s): C- or better in CTD 121

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 designers 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 Interio

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 Prof Procead Interior Des

Hours 3

Philosophy and organization of professional practice; 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

Principles, terminology, command sequencing and execution, and equipment use for computer-aided design applications within the field of interior design. Review of basic commands with emphasis on intermediate and advanced applications.

Prerequisite(s) with concurrency: Concurrent enrollment with 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

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 Internat 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

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 Learnng 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 Infln 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. 45 practicum hours are required. Restricted to HDFS students who have applied and formally been accepted to the concentration in Child Life.

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 Issues Human Envir Sciences

Hours 3

History and philosophy of human environmental sciences; present and future societal issues and their implications for the profession and professional procedures.

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 Respon

W

Hours 3

This seminar helps students develop the understanding and skills necessary for the service of volunteering. The course emphasizes framing civic responsibility for discussion and leading the decision of volunteerism. The purpose of this course is to encourage a spirit of volunteerism, community service and civic responsibility as a way to develop leadership as well as responsibility to one's community. Students are placed with a non-profit service agency within the Tuscaloosa 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.

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

HHE390 Wellness Assessment and Disease Management

Hours 3

Fundamental principles of wellness assessment and disease management plan development in the worksite. Includes practice of assessment skills and techniques.

Prerequisite(s): HHE 270

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): Advisor Permission Required

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 Health

Hours 1-12

Directed internship in a community health agency, business, clinic, or other health-related setting; observation and on-the-job experience through direct participation.

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.

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

Prerequisite(s) with concurrency: NHM 201

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.

Prerequisite(s) with concurrency: NHM 295

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.

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.

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 & Managemnt

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

RHM332 Front Office Management

Hours 3

Introduces concepts of front-office management that affect other operating departments. Discusses techniques in managing the front office to ensure operational goals are attained.

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

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

RHM355 Hospitality Industry Training

Hours 3

Student learns how to develop, conduct, and evaluate one-on-one and group training that will reduce turnover, improve job performance, and help the hospitality organization attain its operational goals and objectives.

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)

RHM377 Restaurant Management & Service

Hours 3

Principles and methods of producing and serving quality food in restaurants.

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

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.

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

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 and RHM 274 or AC 210 or AC 211

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

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 admission to nursing upper division.

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.

Prerequisite(s): CS 102

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 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 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 324 NUR 326

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 2

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.

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 324 and NUR 326

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 324 and NUR 326

NUR401 Palliative Care in Nursing

Hours 3

This is an elective undergraduate nursing course. The focus of this course is to build a knowledge base in palliative care nursing and symptom management. By exploring common topics in palliative care, such as, symptom management, pain management, and communication, the student will develop skills to better manage patients as they near end-of-life.

Prerequisite(s): NUR 305 NUR 307 NUR 308 NUR 309 or enrollment in RN-BSN program

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

Study of the historical development of social welfare, the social work profession, and the philosophical bases for the provision of various social welfare services to persons throughout the life course. Major consideration is given to the development of social welfare programs and services within a political and economic context, with particular attention to influential social values in the United States.

Prerequisite(s): None.

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. This course will meet the History of Social Welfare in the United States requirement for all social work majors. This course provides students with an opportunity to explore and critically evaluate the historical development of social welfare, the social work profession, and the philosophical basis for the provision of various social welfare services to persons throughout the life course. Students will be expected to examine the development of social welfare programs and services within a political and economic context, with particular attention to influential societal values in the United States. The students will be expected to evidence a critical understanding of the major issues affecting the provision of social welfare programs and services to vulnerable and oppressed populations.

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 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 114/115, or BSC 116/117, 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.

Prerequisite(s) with concurrency: SW 410

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 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.

MIL110 Leadership/Nat'l 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 development. Students will learn the personal development of life skills such as cultural understanding, goal setting, time management, stress management, and comprehensive fitness related 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

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 |
| 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 | Mathematics | MATH | AS |
| Engineering Graphics | DR | EG | Mechanical Engineering | ME | EG |
| Engineering Positive and Intentional Change | EPIC | EG | Metallurgical and Materials Engineering | MTE | EG |
| English | EN | AS | Military Science | MIL | MIL |
| English Language Communication | ELC | AS | Modern Greek | MDGR | AS |
| English Language Institute | ELI | AS | Modern Languages and Classics | MLC | AS |
| Exercise and Sport Science | HPES | ED | Multiple Abilities Program | MAP | ED |
| Farsi | FRS | AS | Museum Studies | MUSM | AS |
| Finance | FI | CB | Music Academics | MUS | AS |
| Fine Arts | FA | AS | Music, Applied | MUA | AS |
| Finnish | FIN | AS | Music Education | MUE | ED |
| Freshman Learning Community | FLC | AS | New College | NEW | AS |
| French | FR | AS | New College Life Track | NCLT | AS |
| General Business Administration | GBA | CB | Norwegian | NOR | AS |
| General Engineering Studies | ENGR | EG | Nursing | NUR | NU |
| General Health Studies | HES | HS | Nursing Science | NUS | NU |
| General Studies | GES | AS | Operations Management | OM | CB |
| Geography | GY | AS | Philosophy | PHL | AS |
| Geological Sciences | GEO | AS | Physics | PH | AS |
| German | GN | AS | Polish | POL | AS |
| Greek | GR | AS | Political Science | PSC | AS |
| Health Care Analytics | HCAN | CB | Portuguese | POR | AS |
| Health Education | HHE | HS | Psychology | PY | AS |
| Hebrew | HEB | AS | Randall Research Scholars Program | RRS | UH |
| Higher Education | AHE | ED | Reading Education | CRD | ED |
| Hindi | HIN | AS | Religious Studies | REL | AS |
| History | HY | AS | Restaurant, Hotel and Meetings Management | RHM | HES |
| History, Philosophy and Sociology of Education | BEF | ED | Romance Language(s) | RL | AS |
| Human Development and Family Studies | HD | HS | Russian | RUS | AS |
| Human Environmental Sciences | HES | HS | School Psychology | BSP | ED |
| Human Nutrition and Hospitality Management | NHM | HS | Secondary Curriculum, Teaching and Learning | CSE | ED |
| Indonesian | INDO | AS | Social Work | SW | SW |
| Information Sciences | IS | CIS | Sociology | SOC | AS |
| Interdisciplinary Studies | IDGR | GR | Spanish | SP | AS |
| Interdisciplinary Studies in Medicine | IDMD | AS | Special Education and Multiple Abilities | SPE | ED |
| International Business | IBA | CB | Statistics | ST | CB |
| Instructional Leadership | AIL | ED | Swahili | SWA | AS |
| Italian | IT | AS | Thai | THAI | AS |
| Japanese | JA | AS | Theatre | TH | AS |
| Journalism and Creative Media | JCM | CIS | Theatre, Musical Theatre | THMT | AS |
| Kinesiology | KIN | ED | Turkish | TUR | AS |
| Korean | KOR | AS | University Honors Program | UH | UH |
| Latin | LA | AS | Vietnamese | VIET | AS |
| Latin American Studies | LAS | AS | Women's Studies | WS | AS |
| Law | LAW | LW | World Literature | WL | AS |
| Legal Studies | LGS | CB | | | |
| Library and Information Studies | LS | CIS | | | |
| Management | MGT | CB | | | |
| Management Information Systems | MIS | CB | | | |
| Marine Science | MS | AS | | | |
| Marketing | MKT | CB | | | |
| Mass Communication | MC | CIS | | | |

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 "P," "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 divide 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 |
| Total | | 21 |

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 option¹.

- 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

- ¹ 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.

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 regards 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 at the close 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. All students achieving dean's list honors will have this accomplishment indicated on their University of Alabama transcript.

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. *The president's list is not a separate honor and it is not indicated on a student's University transcript.* Students' scholastic achievements may

be further recognized by election to national scholastic honor societies and activities held during Honors Week.

NOTE: Neither the dean's list nor the president's list is published until completion of the deferred examination period for the term (see the Examinations and Reports section of this catalog). The published list is not updated following initial publication. 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. 344)

Final Examinations

Final examinations are held at the conclusion of each term. Read more. (p. 345)

Graduation

Degrees are conferred at the close of each fall and spring semester and summer term. Read more. (p. 346)

Majors and Degrees

Degree programs may provide academic, pre-professional, or professional experiences and preparation. Read more. (p. 347)

Postgraduate Students

A student holding a bachelor's degree from a regionally 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. 349)

Registration

Prior to registering for classes each term, students may require academic advising using the procedures established by each college. Read more. (p. 349)

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 one course at one of the other institutions. Read more. (p. 350)

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 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.

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.

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. 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.

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

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.

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.

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 for Degree

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 signed off by the college, conferred, and posted to the student's academic history 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 is 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

A student holding a bachelor's degree from a regionally 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. 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 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.

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.

Students are responsible for filing an 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.

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 who seek multiple majors across degree types (ex. BA & BS) and earn fewer than 150 hours are awarded one degree with multiple majors. Students who earn 150 or more hours will receive multiple degrees assuming completion of all necessary requirements.

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 a regionally 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.

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. 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. 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.

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.

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 classhour 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.
- First-time freshman and first-time transfer students must be registered for at least one credit hour within the full part of term, fall or spring, before they are eligible to register for any classes in the Fall II or Spring II parts of term.

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 17 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. 351)

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. 351)

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. 353)

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. 354)

Absence from Class and Failure to Complete Class Work

Students are expected to attend all classes for which they are registered. Class attendance 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 and read the Student-Athlete Handbook for more information.

Academic Misconduct Policy (revised 12-4-18)

A. General Policy

The preservation of freedom of discussion, inquiry, and expression is possible only in an environment in which the privileges of citizenship are protected and the obligations of citizenship are understood.

Accordingly, the University has developed regulations and policies pertaining to students and to student organizations. Any student or organization violating an established policy or regulation of the University is subject to disciplinary action according to the provisions outlined in these Codes of Student Conduct. Personal conduct on University-owned or University-controlled property or at University-sponsored events is subject to University jurisdiction. The University may also enforce its own disciplinary policy and procedures, regardless of where misconduct occurs, when personal or organizational conduct directly, seriously, or adversely interferes with or disrupts the educational missions, programs, or other functions of the University. In addition to the guidelines of conduct set forth elsewhere in the Faculty Handbook and other official University publications, acts of conduct for which disciplinary action may be taken and the disciplinary procedures, which apply for the fair adjudication of alleged violations, follow.

B. Code of Academic Conduct

Academic Honor Code

a. 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, which explains disciplinary procedures that will result from the aforementioned. I understand that violation of this code will result in penalties as severe as indefinite suspension from the University.*

C. Cases of Academic Misconduct

1. Academic Misconduct

a. Academic misconduct by students includes all acts of dishonesty in any academic-related matter and any knowing or intentional help or 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 or attempting to use unauthorized materials, information, study aids, or computer-related information.
- (2) Plagiarism: representing words, data, pictures, figures, works, ideas, computer programs or outputs or anything generated by someone else, as one's own. 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.

b. Except in divisions that have an alternate academic misconduct policy that has been approved by the Provost, academic misconduct cases shall be resolved by the divisional academic misconduct monitor or the academic dean of the division in which the alleged action took place. Appeals from the monitor's decisions may be made to the academic dean; appeals from the academic dean's decisions may be made to the Office for Academic Affairs.

2. Resolution of Academic Misconduct

a. 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, immediately upon discovery, the matter to the divisional academic misconduct monitor (appointed by the academic dean) of the division within which the alleged misconduct occurred. The matter must be reported by the course instructor or department chair in a timely manner. In most cases the academic misconduct monitor should receive the report within 2-3 weeks of the student's alleged act of misconduct. The instructor will take no other action in the matter until a decision has been reached by the monitor or the dean. 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.

b. The course instructor should submit all evidence to the academic misconduct 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.

c. When a course instructor reports alleged academic misconduct by a student to an academic monitor, the academic monitor will attempt to notify the student via e-mail, phone or letter of a required meeting with the academic misconduct monitor. If initial attempts to communicate in these manners are unsuccessful, certified mail is recommended. If the student does not respond to the notice of the accusation of academic misconduct within two weeks from the date of such notice, a general hold will be placed on the student's university account. If the student does not respond to the notice of the accusation before the end of the semester in which the alleged academic misconduct occurred, the academic monitor will

advise the course instructor to assign a grade of "Incomplete" to the student.

d. The academic monitor will promptly place a hold on the student's account indicating the student cannot drop the course. When such an accusation is made prior to the 10-week drop date, 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 to have engaged in academic misconduct, the student will be allowed to drop that course even if the 10-week drop period has expired and the hold prevented them from dropping on time. If the student is found responsible for misconduct by the academic misconduct monitor, they will not be allowed to drop the course at any time. A grade of "Incomplete" will be immediately assigned so the student cannot drop the course. At the end of the semester or after the adjudication if this occurs after the end of the semester, the "Incomplete" will be replaced with the student's earned grade.

e. The monitor will discuss the circumstances involved with the course instructor and/or other appropriate person(s) and review any pertinent materials in order to determine if a reasonable basis exists for believing that academic misconduct may have been committed. If the monitor concludes that there is a reasonable basis for believing an act of academic misconduct may have been committed, the monitor will determine whether the student has been disciplined for any prior academic misconduct offense(s) and will arrange a conference with the student. This conference can be held electronically/virtually if the student is not available for an in-person meeting. The monitor may invite the course instructor to join the conference.

f. When a student is accused of academic misconduct, the monitor contacts the Office for Academic Affairs about any prior misconduct findings for that student before proceeding with the investigation. If prior offense(s) have occurred, the monitor will refer the case to the academic deans (or their designee) for resolution. "Second offense accusations" presume resolution of first offenses at the college level (i.e., finding of guilt) prior to the second act. Multiple misconduct accusations, where the accusations have not been resolved at the college level, may result in a penalty more severe than is typical in first offenses, including indefinite suspension. 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 semester even if the outcome of the accusation is suspension. If an academic misconduct case is underway during a student's final semester, the awarding of the degree may be dependent upon the resolution of the case.

g. At the conference, the student will be informed at the start that an issue of possible academic misconduct exists and will be given a copy of this Academic Misconduct Disciplinary Policy and will sign to acknowledge receipt of the policy. The monitor will call the student's attention to the following provisions:

- (1) The student is not required to make any statement at all regarding the matter under investigation.
- (2) The student may make a voluntary statement if he or she chooses.
- (3) The student has a right to present any evidence, supporting witnesses, and other information to the misconduct monitor.

(4) The student has a right to be advised and accompanied by any one person of his or her choice.

(5) The student is entitled to a recess in the conference for one week in order to take advantage of the rights listed in items 3 and 4.

h. At the conference, the student will be informed that options are available as to how the resolution of the charges will occur:

(1) 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.

(2) The matter can be concluded at the conference level and a penalty imposed if the student makes a voluntary written admission that they engaged in an act of academic misconduct. The student will be given written notice of the penalty. Copies of this notice will be given to the instructor and to the Office for Academic Affairs. If the penalty imposed by the monitor includes assignment of a grade, the course instructor must approve the specific grade before the grade can be assigned. If the course instructor does not approve the grade recommendation, the response will be treated as an appeal and forwarded on to the academic dean.

(3) The matter will be forwarded to the academic dean:

(a) if it is not dismissed by the monitor and the student does not make a written admission of academic misconduct, or

(b) if, within one week from the date the conference is concluded, either the student or the course instructor appeals the decision of the monitor, including dismissal or penalty, and requests that there be further review.

3. Penalties for Academic Misconduct

a. Penalties for academic misconduct can range from a reprimand to a penalty as severe as suspension for a definite time or even indefinite suspension. Indefinite suspension normally requires a minimum of one semester. After one semester students may appeal for reinstatement. Academic deans have the authority to impose the full range of penalties. Divisional academic misconduct monitors may impose penalties only after receiving a voluntary written confession. Misconduct monitors are authorized to impose penalties up to but not including suspension, and may impose penalties of suspension or indefinite suspension if authority to do so has been delegated by the academic dean. All persons who admit to or are found guilty of an academic offense for which a penalty less than an indefinite suspension is imposed will receive a penalty of indefinite suspension if they admit to or are found guilty of another offense of academic misconduct. In all cases that involve suspension as a penalty, the academic misconduct monitor will place a hold on the student's record to prevent further enrollment. The Office of the University Registrar will facilitate dropping any existing future enrollment.

b. A penalty of indefinite suspension is generally mandated for a finding of guilt on all second offenses. It is preferred the students who are indefinitely suspended due to a second offense sit out for one academic year, but one major semester (fall or spring) is generally the minimum requirement. The dean of the college where the offense occurred should notify the student's home college of the indefinite suspension at the time of suspension. Additionally,

the dean who suspends the students should consult with the dean of the student's home college in determining reinstatement. In cases that involve suspension as a penalty, the dean's office of the college where the misconduct occurred will place a hold on the student's record to prevent further enrollment.

4. Resolution by the Academic Dean

a. The dean will consider timely appeals from students or instructors who are not satisfied with the dismissal or the penalty imposed by the academic monitor. The dean will also make decisions concerning guilt and penalties for students who have not made an admission of misconduct.

b. Any matter not resolved by the misconduct monitor will be resolved by the academic dean. The dean may act alone or in conjunction with a standing divisional committee or an ad hoc committee appointed by the dean, but the dean shall make the decision. The academic dean will confer with the course instructor, the student, and any other appropriate persons, to discuss the matter in question. The dean may arrange an individual or group conference to discuss the matter. The student will be allowed to make a statement and to present evidence, witnesses, and other relevant materials; the student may be accompanied and advised by any one person the student chooses. 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 discussing the matter. Any fees charged by the adviser are the sole responsibility of the student. The dean or committee may remove or dismiss a support person/adviser who becomes disruptive or who does not abide by the limitations on their participation. The dean will seek the advice of the course instructor prior to assigning a grade penalty. However, the dean is not obligated to follow the instructor's recommendation since a penalty is being assigned rather than an evaluation of academic work. Notice of the dean's decision will include a statement of the academic misconduct charges and will be sent to the student with copies to the instructor and other involved parties; the student or the instructor may appeal the dean's decision to the Office for Academic Affairs if the appeal is filed within 15 working days of the date of mailing of the dean's decision.

No penalty will be imposed until:

(1) the time for appeal has expired, or

(2) a decision on the appeal has been reached.

c. The dean's decision(s) may be appealed to the Office for Academic Affairs within 15 working days of the mailing of the dean's decision(s). Appeals must be based on substantive grounds such as procedural errors, new evidence, or inconsistencies in penalties assigned. After 15 days, appeals are not accepted and the penalties will be imposed.

5. Appeal to Office for Academic Affairs

When an appeal is received by the Office for Academic Affairs, an official from that office will schedule a conference(s) with the student and other concerned parties to discuss the reasons for the appeal. If meetings with the student and other concerned parties result in an agreeable solution to the matter, the appeal process will end. If no such solution is reached, the official from the Office for Academic Affairs will recommend to the Provost, giving reasons for the recommendation, whether the appeal should be heard or denied. The appeal will not be granted unless there are substantive grounds to support the appeal, such as procedural errors, new evidence that was not previously available, or inconsistencies in

the penalties assigned. If the Provost denies the appeal, the appeal process will end. If the appeal is to be heard, the official from the Office for Academic Affairs 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 (not the official convening the panel), 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 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 appeal 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 (in most cases, the student) may be accompanied and advised by any one person they choose.

This advisor, who may be an attorney, may privately consult with and advise their client, but may not question witnesses, make statements, or otherwise directly participate in the conference discussing the matter; 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 person designated by the Provost may remove or dismiss an adviser who becomes disruptive or who does not abide by the limitations on their participation. The panel will decide each of the issues raised in the appeal. The panel's decision will be final and will conclude the process insofar as the University is concerned. 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.

6. Records

Records documenting investigations and/or disciplinary actions taken against UA students charged with academic misconduct shall be maintained by the academic division for as long as required pursuant to the University's record retention schedule (https://www.lib.ua.edu/wp-content/uploads/RDA_2017edition.pdf).

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 maintain his or her UA Alerts via the Student Tab in myBama.
- The student must respond promptly to all communications received from The University of Alabama.

Most importantly, 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

The Honorable Kay Ivey

- Governor of Alabama
- Ex Officio President of the Board of Trustees

Trustees, by Congressional District

First District

- Harris V. Morrisette, Mobile
- Marietta M. Urquhart, Mobile

Second District

- Joseph C. Espy III, Montgomery
- W. Davis Malone III, Dothan

Third District

- Kenneth L. Vandervoort, M.D., Anniston
- James W. Wilson III, Montgomery

Fourth District

- Evelyn V. Mauldin, Leighton
- Scott M. Phelps, Tuscaloosa

Fifth District

- Ronald W. Gray, Huntsville; President Pro Tempore of The Board
- William Britt Sexton, Decatur

Sixth District

- Vanessa Leonard, Rockford
- W. Stancil "Stan" Starnes, Birmingham

Seventh District

- Karen P. Brooks, Tuscaloosa
- Judge John H. England Jr., Tuscaloosa
- Barbara Humphrey, Birmingham

Trustees Emeriti

- Paul W. Bryant Jr., Tuscaloosa
- Angus R. Cooper II, Mobile
- Joseph L. Fine, Montgomery
- Sandra Hullett, MD, Eutaw
- Andria Scott Hurst, Birmingham
- John D. Johns, Birmingham
- Peter L. Lowe, Huntsville
- John J. McMahon Jr., Birmingham
- John T. Oliver Jr., Jasper
- Joe H. Ritch, Huntsville
- Cleophus Thomas Jr., Anniston
- John Russell Thomas, Alexander City

Chancellor

- Finis E. St. John IV

Officers of the University

- Stuart R. Bell, President
- James T. Dalton, Executive Vice President and Provost
- G. Christine Taylor, Vice President for Diversity, Equity and Inclusion
- Matthew M. Fajack, Vice President for Financial Affairs
- Russell J. Mumper, Vice President for Research and Economic Development
- Samory T. Pruitt, Vice President for Community Affairs
- Ryan Bradley, Interim Vice President for Strategic Communications
- Kathleen Cramer, Interim Vice President for Student Life
- Bob Pierce, Vice President for Advancement

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)

- Jonathon Halbesleben, Interim Dean

College of Education (1909)

- Peter S. Hlebowitsh, Dean

College of Engineering (1909)

- Charles L. Karr, 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)

- Lesley Reid, Interim 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. For questions, please contact The University of Alabama, Office of Undergraduate Admissions via email 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.

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/.

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. 356) 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 (p. 23) 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.

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 |
| Other academic courses | 5 units (courses recommended are in fine arts or computer literacy, with additional courses in mathematics, science and foreign language) |

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. Decisions about the potential for a student's academic success are based on ACT and/or SAT performance, high school GPA 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.

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.

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.

Distance Learning students should contact Bama By Distance at 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 2.75 on a 4.0 scale for admission.

For academic admission, students must meet the English proficiency requirement. For detailed policy requirements, please visit: <http://gobama.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: <http://gobama.ua.edu/international/conditional-admission/>

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 scholarship.

Students requiring F-1 and J-1 visas must also send documentation in order to secure an I-20 / DS-2010.

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-2010.

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://gobama.ua.edu/international/application-deadlines/>

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.

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, the student must enroll in the non-credit Academic Writing course through the English Language Institute (ELI) in addition to other undergraduate courses. (Enrollment in the Academic Writing course will count toward overall minimum full-time enrollment requirement.)
- If a student's TOEFL iBT Speaking score is lower than 18 or IELTS speaking score is lower than 6.0, the student must enroll in a non-credit Spoken English course through the English Language Institute (ELI) in addition to other undergraduate courses. (Enrollment in the Spoken English course will count toward overall minimum full-time enrollment requirement.)

Exemptions from the English Course Requirement

- Students are exempt from the 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 or if they have completed ELI Reading/Writing 6.
- Students are exempt from the Spoken English 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 or if they have completed ELI Speaking/Listening 6.
- Students are exempt from both the Academic Writing and Spoken English 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 Academic Writing or Spoken English 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 Academic Writing or Spoken English 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. 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.

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 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.

Introduction

The University of Alabama Fall 2020–Summer 2021 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 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. 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.

Academic Calendar

The University's current academic calendar is available online at 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.

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. 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: $26 \text{ completed hours} \div 32 \text{ attempted hours} = 81.2 \text{ percent completion rate}$. 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: $20 \text{ completed hours} \div 32 \text{ attempted hours} = 62.5 \text{ percent completion rate}$. 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.

hours \times 150 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 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.

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. 365), 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 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 website at 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 can be found at actcard.ua.edu/mobileactioncard.

Through eAccounts online, (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.

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 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 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, one of three units within the Capstone International Center of The University of Alabama, provides specialized services for international students, professors, research scholars, visitors, and their families. In addition to student and scholar visa support, International Student & Scholar Services conducts intensive orientation programs and provides vital information regarding U.S. immigration compliance as well as multicultural guidance and counseling. These are ongoing services that monitor individual progress and ensure compliance with Department of Homeland Security regulations.

Recognizing the importance of international student programming, International Student & Scholar Services coordinates a wide variety of student activities. These include weekly events such as international coffee hour, meetings of the international spouse group, and an academic and culture support group, as well as annual events such as a cultural retreat and international education week activities. International Student & Scholar Services also coordinates with the President's Office for the annual President's Welcome Reception for international students.

International Student & Scholar Services advises and assists the International Student Association, which represents all international students, and coordinates activities and events with the many nationality organizations on campus. Professional staff work closely with community groups such as Tuscaloosa's International Friends (TIF), which is a host friendship program for community members and 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; or by mail at The University of Alabama, International Services, Box 870254, Tuscaloosa, AL 35487-0254, USA. Offices are located in 105 B.B. Comer Hall.

Student Life

Division of Student Life

The Division of Student Life maximizes each UA student's learning experiences. Student Life, which is comprised of 24 departments, provides intentional programs and support services that complement academic pursuits, support well-being, and promote student development.

The Division of Student Life focuses on promoting diversity, equity and inclusion; contributing to retention and student success through high impact practices and intentional programs; promoting the Alabama Model of Student Health and Wellbeing; and ensuring suitable resources to provide excellent programs and services to UA students.

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.

In addition to the main Career Center, which is located at 3400 Ferguson 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 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.

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.

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 Ferguson Center. For more information about programs and services, call 205-348-3326; visit 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 Ferguson Student Center. For more information, call 205-348-3277 or visit 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 Ferguson Student Center. For more information, call 205-348-2865 or visit 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.sa.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. If you have questions about services available, please feel free to contact the office via email at 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](http://universitypolice.sl.ua.edu) 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.sa.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.

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.

Ferguson Student Center

The Ferguson 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.

Affectionately known as “the Ferg,” the Ferguson 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, the Ferg 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.

Stop by the Ferg to grab coffee or a meal, or reserve a space for your next meeting by visiting the Room Reservation Form at <https://ferguson.sa.ua.edu/reservations/meetings-events/>.

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.

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.

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 ofsl.sa.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.

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 Ferguson Student Center. For more information about SGA initiatives or how to get involved, call 205-348-2742 or visit sga.sl.ua.edu.

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 (AAAH). The SHC can meet most ambulatory medical needs of UA students, including women's health, psychiatry, ADD/ADHD, 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 and women's health) should call the appointment line at 205-348-2778. Referral services for outside specialty medical services (i.e. gastroenterology, dermatology, 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; these can also be obtained at the SHC. For more general information, visit 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; or by calling 205-348-4086.

Prevention and health promotion services are provided by the Student Health Center and Pharmacy's 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.

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 Ferguson 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.sa.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 or call 205-348-7257.

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.sa.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.sa.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.

UA Police Department

For information on The University of Alabama Police Department and its services, please visit the website at police.ua.edu or consult the Safer Living Guide at 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://safety-estus.ua.edu/UAPDWebsite/Campus-Security-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, 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 Biology 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 tutoring to students in all disciplines. We help students build confidence as writers, revise their drafts, and develop the skills necessary for long-term improvement. We also offer distance-learning support for students enrolled in online classes. Appointments are encouraged, but we take drop-in clients when possible. For more information, visit writingcenter.ua.edu.

Tuition and Other Expenses

For an estimated cost of attendance for the current year, including annual tuition costs, visit 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; 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.

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; 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; 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; 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. 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.

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. 371)

College of Continuing Studies (p. 375)

English Language Institute (p. 376)

Honors College (p. 378)

Military Programs (p. 383)

Special Academic Programs (p. 387)

Capstone International Center

Global and Cultural Perspectives Minor (p. 374)

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 1,400 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 cic@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 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.

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 or by visiting the Education Abroad office located in 135 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.

International Student & Scholar Services' 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.

International Student & Scholar Services 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. International Student & Scholar Services coordinates a variety of student activities such as a weekly international coffee hour, an international spouse support group, and an annual welcome reception for international students.

Professional staff members advise and assist the International Student Association, which represents all international students and the many

nationality organizations on campus. Expert 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; fax at 205-348-5406; email at international@ua.edu; or mail at The University of Alabama, International Student & Scholar Services, 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; call 205-348-7413; fax 205-348-9266; or email 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) 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.

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.

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) 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.

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 |
|--|----------|
| CORE COURSES (9 hrs) | |
| Required Introductory Course (3hrs) | 3 |
| CIP 200 or Global & Cultural Perspectives | |
| CIP 202 Global&Cultural Persp: ExpLrng | |
| Two from the following courses (6 hrs) | 6 |
| ANT 102 Intro to Cultural Anthropology | |
| GY 105 or World Regional Geography | |
| GY 110 People, Places, & Environment | |
| REL 100 or Intro To Religious Studies | |
| REL 102 Religions of World | |
| SOC 101 Intro To Sociology | |
| EMPHASIS AREA COURSES - 6 hrs from the following: | 6 |
| 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 |
| 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) ¹ | |
| Language study ² | |

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.

¹ Special topics/field education/directed readings with permission of department/professor and Global & Cultural Perspectives coordinator.

² 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. 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
- administering 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, 800-467-0227 or (205) 348-0089, or visit 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.

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. For specific NCLT curriculum requirements, please refer to the College of Arts and Sciences New College (p. 496) 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-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>.

English + Business Program

The English + Business Program is a four-week certificate program for students who want to improve their English and learn about business concepts and practices in the United States. The program is offered twice each year at the beginning of each fall semester and spring semester. In order to benefit fully from the program, it is strongly recommended that participants have an intermediate or advanced level of English proficiency.

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) 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.

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 in the ELI Study Center. 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

University Honors Program Experience

The largest program in the Honors College is the University Honors Program (UHP). This program allows students to graduate with Honors via one of three major pathways: University Honors, Departmental Honors, or Accelerated Master's Program (AMP).

All incoming UHP freshmen, on any one of these three pathways, are required to engage in Honors Year One, a program that combines academic coursework with opportunities for engagement on campus in the first academic year. The aim of Honors Year One 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 citizenship, 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 community of scholars. To this end, all UHP freshmen are required to take UH 100 in the fall or UH 110 in the spring of their first year. (Transfer students and current students admitted to 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 three pathways, are listed below. All UHP students are required to complete:

| University Honors Program | | Hours |
|--|-------------------------------------|-----------|
| Honors Year One Requirement | | |
| UH 100 or | Honors Year One: Honors Connections | 2 |
| UH 110 | Honors Engagement | |
| Required Honors Course | | |
| UH 200 | Life as a Scholar | 2 |
| Select One Option | | |
| Honors College Option, Departmental Honors Option, Accelerated Master's Program Option | | |
| Option I: Honors College Option | | 14 |
| Restricted Electives | | |
| Select One 200 Level UH Course in addition to UH 200 | | |
| Select One 300 Level UH Course | | |

Electives Courses 5

Select from all UH courses or from Departmental Honors Courses

Honors Capstone Experience 3

The Honors Capstone Experience is designed to be the culmination of an Honors student experience in the Honors College. 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: Departmental Honors Option 14**Restricted Electives** 3

Select at least one 200 or 300 level UH course in addition to UH 200

Departmental Honors Course varies

Note: If a Departmental Honors Program requires less than 11 credit hours, the balance of hours must be completed with any UH, Departmental Honors, or graduate-level course(s)

Consult the department honors requirements

Option III: Accelerated Master's Program 14**Restricted Electives** 3

At least one 200 or 300 level UH course in addition to UH 200

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 Engagement 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 and Honors Orientation. 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.

*For more information and up-to-date requirements, visit honors.ua.edu

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.

Randall Research Scholars

The Randall Research Scholars Program is an Honors College program and all information regarding admission, academics, retention, and graduation can be found here (p. 381).

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. 382).

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. 425).

McCullough Scholars Program

The McCullough Scholars Program is a College of Arts & Science 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.).

College and Departmental Honors Programs

Departmental Honors Programs

Some Colleges and Departments offer departmental honors programs. Students should consult with their major advisor to see if a program exists in that department. Approved programs with defined curricular requirements allow students to satisfy the requirements of the University Honors Program Departmental Honors option.

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.

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 (p. 621).

RRS101 Randall Research Scholars Freshman Seminar 1

UH

Hours 4

Taken by first-year students in the Randall Research Scholars Program, this course provides an accelerated introduction to computer hardware and software. Open only to students admitted to the Randall Research Scholars Program.

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

Assistant Dean

Dr. Ross Bryan

Founding Dean Emeritus

Dr. Robert Halli

Associate professors

Dr. Ross Bryan

Dr. Jacqueline Morgan

Dr. Bradley Tuggle

Assistant professors

Dr. John Latta

Dr. Tara Mock

Academic Program Directors

Dr. Anne Franklin Lamar - Director of Honors Year One

Dr. John Latta - Director of International Honors Education

Dr. Jacqueline Morgan - Director of University Fellows Experience

Dr. Shane Sharpe - Director of Randall Research Scholars Program

Dr. Bradley Tuggle - Director of University Honors Program

Senior Instructors

Dr. Thomas Herwig

Dr. Darren Surman

Instructors

Rob Alley

Dr. Megan Bailey

Dr. Anne Franklin Lamar

Dr. Paul Phelps

Dr. Robert Witt - Professor and President Emeritus

Staff

Susanna Barkley

Jane Batson

David Bolus

Sophia Chadwick
 Brandon Chalmers
 Nancy Gvillo
 Nancy Holmes
 Vicki Holt
 Erin Jett
 Shannon Roulaine
 Haleigh Sandlin
 Claire Stebbins
 Kayla Warner
 Brandon Wingler
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 information management technology 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, information technology fundamentals, 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 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 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 technology to the research process. Students will learn about the foundations of information management technologies 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 apply to the Honors College and complete the Randall Research Scholars application. Applicants should be prepared to respond to an essay prompt 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 essay 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. RRS 101 and 102 must be completed with the above requirements to advance to the RRS 201 seminar.
4. 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 but prior to the student's graduation or the grade of "I" will be changed to "F" and the student will be suspended from the RRSP.
4. RRSP students must meet the GPA retention requirements for Honors College students as outlined in the Honors College catalog listing.

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 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 |
|--|-------------------------------|-------|
| Freshman Seminars: 8 Hours Required | | |
| RRS 101 | RRS Freshman 1 | 4 |
| RRS 102 | RRS Freshman 2 | 4 |
| Sophomore Seminars: 6 Hours Required | | |
| RRS 201 | RRS Sophomore Seminar 1 | 3 |
| RRS 202 | RRS Sophomore Seminar 2 | 3 |
| Junior/Senior Research Seminars: 6 Hours Required - May be any combination of the remaining courses | | |
| 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. Shane Sharpe

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 counselor 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 complete 17 credit hours of UFE coursework plus an additional 3 credit hours of approved elective coursework for a total of 20 credit hours and maintain an overall GPA of 3.5.

To complete the requirements of the Social Innovation and Leadership minor, students must complete 17 credit hours of UFE coursework plus an additional 3 credit hours of approved elective coursework for a total of 20 credit hours and maintain an overall GPA of 3.5.

| Social Innovation and Leadership Minor | | Hours |
|--|---|-------|
| UFE 101 | Understanding Poverty | 3 |
| UFE 102 | Social Investing and the Role of Innovation | 3 |
| UFE 103 | The Black Belt Experience | 3 |
| UFE 201 | Systemic Change Through Social Entrepreneurship | 1 |

| | | |
|--|---|-----------|
| UFE 202 | Social Innovation for Collective Impact | 1 |
| UFE 301 | Leadership and Change: A Global Perspective | 1 |
| UFE 302 | Impacting a Global Society | 1 |
| UFE 303 | Making an Impact | 1 |
| UFE 350 | Black Belt Experience | 3 |
| UFE 400 | Magnum Opus Experience (UFE 400 may be repeated as an elective for 3 credit hours) | 3 |
| Elective Course Credit *Any 300 level UH course or an approved 300 or 400 level course. UFE 400 may be repeated to fulfill the elective credit requirement | | 3 |
| Total Hours | | 23 |

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

Coordinator

David Bolus

Military Programs

Air Force Studies (Air Force ROTC) (p. 383)

Officer Training Corps Studies (Army ROTC) (p. 386)

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 Foundations of the USAF

Spring Semester: AFS 102 Leadership Laboratory & AFS 120 Foundations of the USAF

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.

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
- 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

Education Officer

James Brock, Capt, USAF Assistant Professor of Aerospace Studies
AFROTC Detachment 010

Operations

Fernando C. Loera Capt, USAF Operations Flight Commander AFROTC
Detachment 010

Administration

Siera J. Wilson, TSgt, USAF NOCIC, Cadet Administration Management
AFROTC Det 010

Personnel

Latasha R. Hooper, SSgt, USAF NCOIC, Personnel AFROTC Det 010

Program Assistant

Trista Elmore 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 Applcn II | 1 |
| MIL 335 American Military Experience | 3 |

Total Hours 13

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 |

Total Hours 18

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. 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.

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

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 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, Public Relations | MA 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 |

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. 387)
- Cooperative Education Program (p. 389)
-
-
-

| | | | | | |
|--|---|---|----|------------------------------------|---|
| Art and Art History | Art History | MA Art History | 15 | 3.3 | 5 |
| Biological Sciences | Biology | MA Biological Sciences | 15 | 3.3 | 5 |
| Biological Sciences | Biology | MS Biology | 15 | 3.3 | 5 |
| Chemical and Biological Engineering | Chemical Engineering | MS Chemical Engineering | 15 | 3.3 | 5 |
| Chemical and Biological Engineering | Chemical Engineering | PhD Chemical Engineering | 15 | 3.3 | 7 |
| Chemistry and Biochemistry | Chemistry | MS Chemistry | 15 | 3.5 | 5 |
| Civil, Construction, and Environmental Engineering | Civil Engineering | MS Civil Engineering | 9 | 3.3 | 5 |
| Civil, Construction, and Environmental Engineering | Environmental Engineering | MS Environmental Engineering | 9 | 3.3 | 5 |
| Communication Studies | Communication Studies | MA Communication Studies | 10 | 3.3 | 5 |
| Computer Science | Computer Science | MS Computer Science | 12 | 3.3 | 5 |
| Computer Science | Cyber Security | MS Computer Science | 12 | 3.3 | 5 |
| Consumer Sciences | Consumer Sciences | MS Consumer Sciences | 15 | 3.3 | 5 |
| Criminology and Criminal Justice | Criminology and Criminal Justice | MS Criminology and Criminal Justice | 9 | 3.3 | 5 |
| Curriculum and Instruction | Mathematics (Mathematics Education Concentration) | MA Secondary Education | 15 | 3.3 | 5 |
| Economics, Finance and Legal Studies | Economics | MA Economics | 12 | 3.3 | 5 |
| Economics, Finance and Legal Studies | Economics | MS Finance | 12 | 3.3 | 5 |
| Economics, Finance and Legal Studies | Finance | MS Finance | 12 | 3.3 | 5 |
| Economics, Finance and Legal Studies | Finance | MA Economics | 12 | 3.3 | 5 |
| Electrical and Computer Engineering | Electrical Engineering | MS Electrical Engineering | 6 | 3.3 | 5 |
| English | English | MA English | 15 | 3.5 | 5 |
| Geography | Environmental Science | MS Geography | 15 | 3.5 | 5 |
| Geography | Geography | MS Geography | 15 | 3.5 | 5 |
| Geography | Geography | MS Geography | 15 | 3.5 | 5 |
| Geological Sciences | Geology | MS Geology | 15 | 3.5 | 5 |
| Health Science | Public Health | MPH Health Education and Promotion | 15 | 3.3 (3.5 in public health courses) | 5 |
| History | History | MA History | 15 | 3.75 | 5 |
| Human Development and Family Studies | Human Development and Family Studies | MS Human Development and Family Studies | 15 | 3.3 | 5 |
| Human Nutrition and Hospitality Management | Food and Nutrition | MS Human Nutrition | 15 | 3.3 | 5 |
| Human Nutrition and Hospitality Management | Hospitality Management | MS Hospitality Management | 15 | 3.3 | 5 |
| Information Systems, Statistics and Management Science | Mathematics (Statistics and Optimization Concentration) | MS Applied Statistics | 12 | 3.3 | 5 |

| | | | | | |
|--|---|-----------------------------------|--|---|---|
| Information Systems, Statistics and Management | Management Information Systems | MS Management Information Systems | 15 | 3.3 | 5 |
| Information Systems, Statistics and Management Science | Operations Management | MS Operations Management | 15 (12 for the Enterprise Integration 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. 398)

Department of Anthropology (p. 400)

Department of Art and Art History (p. 406)

Department of Biological Sciences (p. 414)

Blount Scholars Program (p. 425)

Department of Chemistry and Biochemistry (p. 425)

Department of Communicative Disorders (p. 430)

Department of Criminology Criminal Justice (p. 433)

Economics, BA (p. 435)

Department of English (p. 437)

Environmental Science (p. 442)

Department of Gender and Race Studies (p. 444)

Department of Geography (p. 447)

Department of Geological Sciences (p. 452)

Department of History (p. 456)

Marine Science Program (p. 461)

Department of Mathematics (p. 462)

Department of Modern Languages and Classics (p. 467)

School of Music (p. 479)

New College (p. 496)

Department of Philosophy (p. 503)

Department of Physics and Astronomy (p. 506)

Department of Political Science (p. 511)

Department of Psychology (p. 521)

Department of Religious Studies (p. 526)

Department of Theatre and Dance (p. 531)

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.

Students in Arts and Sciences degree programs may not apply CSM 116 Quantitative Methods of Finance as a core math (MA). Only courses with a MATH abbreviation may be used to fulfill this requirement. This rule also applies to students who may have taken CSM 116 Quantitative Methods of Finance while enrolled in another academic division but later transferred to A&S.

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.

90 Hours within the Disciplines of the College

All degree programs in the College of Arts and Sciences require at least 90 hours selected from A&S or related disciplines. Transfer courses in these disciplines apply to the completion of the 90-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 385 Coaching Golf, KIN 386 Coaching Volleyball, KIN 420 Issues in Athletics Coaching); and 100-level and 200-level military or Air Force studies 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).

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 ¹ |
| 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

¹ 103 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.

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 and Laboratory Biology I BSC 118 Honors General Biology I | 4 |
| BSC 116 Principles Biology II & BSC 117 or and Biology II Laboratory BSC 120 Honors Gen Biology II | 4 |
| BSC 450 Fundamentals of Biochemistry | 3 |
| CH 101 or General Chemistry CH 117 Honors General Chemistry | 4 |
| CH 102 or General Chemistry 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 General Physics I PH 105 or General Physics W/Calc I PH 125 Honors Gen Ph W/Calculus | 4 |
| PH 102 or General Physics II PH 106 or General Physics W/Calc II PH 126 Honors Gen Ph W/Calculus II | 4 |
| MATH 125 or Calculus I 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 and Laboratory Biology I BSC 118 Honors General Biology I | 4 |
| BSC 116 Principles Biology II & BSC 117 or and Biology II Laboratory BSC 120 Honors Gen Biology II | 4 |
| CH 101 or General Chemistry CH 117 Honors General Chemistry | 4 |
| CH 102 or General Chemistry 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 Fundamentals of Biochemistry CH 461 Biochemistry I | 3 |
| PH 101 or General Physics I PH 105 or General Physics W/Calc I PH 125 Honors Gen Ph W/Calculus | 4 |
| PH 102 or General Physics II PH 106 or General Physics W/Calc II PH 126 Honors Gen Ph W/Calculus II | 4 |
| MATH 125 or Calculus I MATH 145 Honors Calculus I | 4 |

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 CH 117 | 4 |
| CH 102 or CH 118 | 4 |
| CH 231 | 3 |
| CH 232 | 3 |
| CH 237 | 2 |
| BSC 215 | 4 |
| BSC 216 | 4 |
| BSC 310 & BSC 312 or BSC 242 | 4-5 |
| MATH 125 or MATH 145 | 4 |

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 | 3 |
| EN 102 | 3 |
| BSC 114 & BSC 115 or BSC 118 | 4 |
| BSC 116 & BSC 117 or BSC 120 | 4 |
| BSC 215 | 4 |
| BSC 216 | 4 |
| CH 101 or CH 117 | 4 |
| CH 102 or CH 118 | 4 |
| PH 101 or PH 105 or PH 125 | 4 |
| PH 102 or PH 106 or PH 126 | 4 |
| MATH 113 | 3 |
| PY 101 | 3 |
| PY 211 | 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.

Pre-Law Program

200 Clark Hall
(205) 348-5970
prelaw.ua.edu
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.

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. 425) section of this catalog.

McCullough Institute for Pre-Medical Scholars

Endowed by Gaylon and Susan McCullough, The McCullough Institute for Pre-Medical Scholars offers a minor in interdisciplinary studies to a small cohort of aspiring physicians. McCullough 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 McCullough 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

Tricia McElroy

Lisa Pawloski

Roger Sidje

Ray White

John Wingard

Director of College Relations

Stephanie Kirkland

Senior Director of Development

Lee Weldon

Director of Financial Affairs

Jimmy Vail

Senior Information Officer

Ruth Pionke

Director of College Support Boards

Kevin Reid

Director of Experiential Learning

Pam Derrick

Director of Outreach Programs and Initiatives

Pamela Young

Director of Endowment & Honors

Persio Logos

Administrative and Professional Staff

Hannah Berman

Sara Beth Bolin

Kayla Boucher

Matt Chenault

Kaylee Crenshaw

Marian Denham

Cathy Elliott

Kelli Harris

Royce Garrison

Lanna Johnson

Stephanie Kirkland

Eve Machado

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. 399)
- Minor
 - American Studies (p. 400)

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 |
| 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 231 Contemporary America | 3 |
| AMS 492 American Topic Seminar | 3 |
| AMS electives 400 level ¹ | 6 |

| | |
|-------------------------------|----|
| AMS elective 300 or 400 level | 3 |
| AMS electives any level | 6 |
| Credit Hours Subtotal: | 30 |

Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in American studies requires the successful completion of the following courses outside the major:

| | | |
|------------------------------|--|---|
| HY 103 or HY 107 | American Civilization to 1865 Honors Am Civ to 1865 | 3 |
| HY 104 or HY 108 | Am Civ Since 1865 Honors Am Civ Sc 1865 | 3 |
| Select one of the following: | | 3 |
| EN 209 | American Literature | |
| EN 219 | Honors American Literature | |
| EN 210 | American Literature II | |
| EN 220 | Honors American Literature II | |
| Credit Hours Subtotal: | | 9 |

Total Hours **39**

Footnotes

¹ 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 |
|--------------------------------------|-------|
| Minor Courses | |
| 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 231 Contemporary America | 3 |
| AMS electives 400 level ¹ | 3 |
| AMS electives 300 or 400 level | 3 |
| AMS electives | 3 |
| Credit Hours Subtotal: | 21 |

Ancillary Courses

Grades in ancillary courses are not computed into the minor GPA. This minor requires the successful completion of the following courses outside the minor:

| | |
|---|---|
| Select one of the following American History courses: | 3 |
| HY 103 American Civilization to 1865 | |
| HY 104 Am Civ Since 1865 | |
| HY 107 Honors Am Civ to 1865 | |
| HY 108 Honors Am Civ Sc 1865 | |
| Select one of the following American Literature EN electives: | 3 |
| EN 209 American Literature | |
| EN 210 American Literature II | |
| EN 219 Honors American Literature | |
| EN 220 Honors American Literature II | |

Credit Hours Subtotal: 6

Total Hours

27

Footnotes

¹ 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. 341) 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. 401)

• Minors

- Anthropology (p. 404)
- Evolutionary Studies (EvoS) (p. 404)
- Global Health (p. 405)

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 |
|--|-------|
| Major Courses | |
| 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 ¹ | 3 |
| ANT biological 300-400 level ² | 3 |
| ANT general elective 100+ level | 3 |
| ANT general electives 300+ level | 6 |

Archaeology Courses ¹

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 368 Southeastern Archaeology | |
| ANT 409 Ancient Maya Civilization | |
| ANT 422 Archaeological Ethics | |
| ANT 424 Cultural Resource Management | |
| 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 | |
| ANT 468 Ceramics for the Archaeologist | |

Biological Anthropology Courses ²

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 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 Peoples Of Africa | |
| ANT 415 Contemporary China | |
| ANT 419 Myth, Ritual, And Magic | |
| ANT 438 Anthropology of Art | |
| ANT 440 Culture | |

Total Hours

31

Footnotes

¹ or any other 300- or 400-level archaeology course

² or any 300- or 400-level biological anthropology course

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. 341) 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 (9 hrs) will replace the 3 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 one of the following (3 hours): | | 3 |
| ANT 302 | Language and Race | |
| ANT 305 | Tattooing and Human Nature | |
| 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 474 | Neuroanthropology | |
| ANT 475 | The Plastic Human | |
| ANT 478 | Anthro of Human Development | |

| | | |
|---------|--------------------------|--------------------------|
| ANT 476 | Nutritional Anthropology | |
| | | Credit Hours Subtotal: 9 |

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 one of the following (3 hours): | | 3 |
| 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 | Cultural Resource Management | |
| 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 468 | Ceramics for the Archaeologist | |
| | | Credit Hours Subtotal: 9 |

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 |
|--|-----------|
| Minor Courses | |
| 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 300 or 400 level | 6 |
| ANT electives | 6 |
| Total Hours | 18 |

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 ANTH courses is 12 credits in anthropology, typically including introductory courses specific to a subfield (i.e., ANTH 102 Intro to Cultural Anthropology, ANTH 107 Intro to Archaeology, ANTH 210 Language and Culture, ANTH 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 |
|---|--------------|
| Foundation Courses | |
| 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 | |
| Integrative Courses | |
| ANT 431 Readings In Anth | 1-3 |
| ANT 451 Undergraduate Research (Should be taken in major department) | 1-6 |
| Credit Hours Subtotal: 2-9 | |
| Elective Context Courses | |
| Select six or more course credits from at least two different departments that are not your major | 6 |
| Credit Hours Subtotal: 6 | |
| Total Hours | 20-28 |

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 | 4 |
| 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. 341) 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 Requirements | Hours |
|---|----------|
| 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 | |
| CHS 420 Basic Epidemiology | |
| 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. 408)
- Studio Art, BA (p. 411)
- Studio Art, BFA (p. 412)

• Minors

- Art History (p. 409)
- Art (Studio) (p. 407)
- Medieval and Early Modern European Studies (p. 410)

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

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

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 |
|-------------------------------|-----------|
| Minor Courses | |
| 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 |
| Electives | |
| ART elective 300 or 400 level | 6 |
| ART elective | 6 |
| Credit Hours Subtotal: | 12 |
| ARH elective 300 or 400 level | 3 |
| Total Hours | 21 |

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. 341) 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

Cumberland, Jonathan

Grant, Allison

MacDonald, Wade

Instructors

Adams, Katie

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 |
|--|--------------|
| Major Courses | |
| 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. | |
| 400-level seminar in specific topic area | 3 |
| It is advised (although not required) that ARH 490 and the 400-level seminar should be taken in sequence as a senior Capstone experience. | |
| 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 | |
| Ancillary Courses | |
| 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 ¹ | 6-8 |
| Total Hours | 51-53 |

Footnotes

¹ 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. 341) 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

Professor

Pagani, Cathy

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 |
|---|-----------|
| Minor Courses | |
| 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 |
| Ancillary Courses | |
| 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 |
| Total Hours | 21 |

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. 341) section of this catalog for an explanation on grade point average calculations.

Faculty

Chair

Guynes, Jason

Professor

Pagani, Cathy

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

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 Introductory 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):

American Studies

AMS 470 Natives and Newcomers

Art & Art History

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)

Communication Studies

COM 301 Intro Rhetorical Theory

English

EN 330 Chaucer And Medieval Literatur

EN 332 Sixteenth Century Literature

EN 333 Shakespeare

EN 334 Seventeenth Century Literature

EN 335 Milton

EN 347 English Lit During Enlightenmt

400-level Topics (pre-approval required based upon topic)

History

HY 101 Western Civ To 1648 or HY 105 Honors West Civ To 1648

HY 115 Science/Medicine to 1800

HY 370 A history of the Atlantic World, 1400-1800

HY 386 History Of Rome

HY 388 The Crusades

HY 442 The Middle Ages

HY 443 Renaissance

HY 444 Reform & Counter-Reformation

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

Modern Languages & Classics

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*

RUS 223 Rus Lit in Trans I

SP 371 Survey Of Spanish Lit*

SP 491 Cervantes*

* designates a course taught in subject language (not English)

Music

MUS 251 Music History I

MUS 427 Studies In Special Lit (pre-approval required based upon topic)

Philosophy

PHL 212 Early Modern Philosophy

Political Science

PSC 353 Modern Political Thought

PSC 321 Special Topics In PSC / HY 300 Special Studies in History (European Liberalism, Crisis, and Scandinavian Drama, and Historic Perspective)

Theatre

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
- 104 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 |
|---|-------|
| Major Courses | |
| ART 110 Drawing I | 3 |
| ART 130 2D Design | 3 |
| ART 131 3D Design | 3 |
| ART 210 Drawing II | 3 |
| Credit Hours Subtotal: | |
| 12 | |
| Studio Art Electives | |
| Select twelve hours of ART electives 300-499 level | 12 |
| Select six hours of ART electives | 6 |
| Credit Hours Subtotal: | |
| 18 | |
| Ancillary Courses | |
| 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 |
| Total Hours | | 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. 341) 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

Shineman, Sky

Speed, Bryce

Assistant professors

Cumberland, Jonathan

Grant, Allison

MacDonald, Wade

Instructors

Adams, Katie

Fuller, Joel

Grimes, Jamey

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 |
|---|-----------|
| Major Courses | |
| 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 primary 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 concentration. Concentrations are Ceramics, Digital Media, Drawing, Painting, Photography, Printmaking, Sculpture or Intermedia (Intermedia requires 12 hours of coursework from any concentration with at least 3 credit hours at the 300-400 level). | 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 |
| Electives | |
| 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 |
| Total Hours | 75 |

Footnotes

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. 341) 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 | |
| Total Hours | | 12 |
| 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 328 | Digital Photography | |
| 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 428 | Advanced Digital Photography | |
| ART 433 | Package Design | |
| ART 434 | Illustration | |
| ART 435 | Web Design | |
| Total Hours | | 12 |
| 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 | |
| Total Hours | | 12 |
| 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 | |
| Total Hours | | 12 |
| 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 328 | Digital Photography | |
| ART 338 | Photographic Studio Lighting | |
| ART 418 | Advanced Photography | |
| ART 428 | Advanced Digital Photography | |
| Total Hours | | 12 |
| 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 | |
| Total Hours | | 12 |
| Sculpture Concentration | | Hours |
| Select 12 hours of the following: | | 12 |
| ART 222 | Sculpture | |
| ART 322 | Sculpture | |
| ART 323 | Sculpture | |
| ART 422 | Sculpture | |
| Total Hours | | 12 |

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

Shineman, Sky

Assistant professors

Cumberland, Jonathan

Grant, Allison

MacDonald, Wade

Instructors

Adams, Katie

Fuller, Joel

Grimes, Jamey

Klosterman, John

Morgan, Celestia

Palmer, Cassandra

Sico, Jillian

Smoot, Amy

Sniadecki, Mark

Wegrzynowski, Charlotte

Wegrzynowski, Tom

Department of Biological Sciences

The Department of Biological Sciences offers curricula leading to two degrees that are administered by the department, the degrees of Bachelor of Science in biology and Bachelor of Science in microbiology.

The Bachelor of Science in biology allows considerable flexibility and can be customized to meet the interests of individual students, while 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 professions.

In addition, the College of Arts and Sciences offers interdisciplinary double major Bachelor of Science (B.S.) degrees in marine sciences (marine science/biology, marine science/chemistry and marine science/geology). These double-major curricula provide a focused exposure to

include general education requirements, single disciplinary requirements and interdisciplinary courses in the field of marine science.

The Department of Biological Sciences also offers minors in biology, microbiology and marine science, and participates in interdisciplinary minors in natural resource management (p. 502) and evolutionary studies (p. 404).

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. 416)
 - Microbiology, BS (p. 422)
 - Marine Science/Biology, BS (p. 419)
 - Marine Science/Chemistry, BS (p. 420)
 - Marine Science/Geology, BS (p. 421)
- Minors
 - Biology (p. 418)
 - Microbiology (p. 424)
 - Marine Science (p. 418)
-

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
- Powell, Martha J.
- Secor, Stephen
- Sobecky, Patricia
- Starr, Greg
- Staudhammer, Christina

Associate professors

- Duffy, Carol
- Earley, Ryan
- Howeth, Jennifer
- Jenny, Matthew
- Lozier, Jeff
- Ramonell, Katrina
- Reed, Laura
- Yoder, John

Assistant professors

- Atkinson, Carla
- Becker, Gui
- Chaudhuri, Anathbandhu
- Chtarbanova, Stanislava
- Ciesla, Lukasz
- Correll, R. Nathan
- Ferguson, Paige
- Fierst, Jana
- Hatoum-Aslan, Asma
- Heinrich, Kaleb
- Hodges, Tyler
- Kocot, Kevin
- Lackey, Kimberly
- Lam, Daryl
- McKain, Michael
- Pienaar, Jason

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

[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

Powell, Martha J.

Secor, Stephen

Sobecky, Patricia

Starr, Greg

Staudhammer, Christina

Associate professors

Duffy, Carol

Earley, Ryan

Howeth, Jennifer

Jenny, Matthew

Lozier, Jeff

Ramonell, Katrina

Reed, Laura

Yoder, John

Assistant professors

Atkinson, Carla

Becker, Gui

Chaudhuri, Anathbandhu

Chtarbanova, Stanislava

Ciesla, Lukasz

Correll, R. Nathan

Ferguson, Paige

Fierst, Jana

Hatoum-Aslan, Asma

Heinrich, Kaleb

Hodges, Tyler

Kocot, Kevin

Lackey, Kimberly

Lam, Daryl

McKain, Michael

Pienaar, Jason

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 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 |
|--|-------|
| Major Courses | |
| 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 Biology II Laboratory | |
| 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 |
| Electives | |
| Select 19 hours of BSC or MS electives above 250 | 19 |
| Credit Hours Subtotal: | 19 |
| Ancillary Courses | |
| 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 |

Additional Major Requirements

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

¹ 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 Biology II Laboratory, 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. 341) 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 |
|---|-----------|
| Minor Courses | |
| 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 Biology II Laboratory or BSC 120 Honors Gen Biology II | |
| BSC electives 300 or 400 level | 6 |
| BSC electives 200 level or above | 8 |
| Total Hours | 22 |

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 Biology II Laboratory, 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. 341) 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, 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 |
|--|-------|
| Minor Courses | |
| 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 | |
| BSC 114 Principles Of Biology I & BSC 118 and Honors General Biology I | |
| Sequence 2: | |
| BSC 116 Principles Biology II & BSC 117 and Biology II Laboratory | |
| BSC 116 Principles Biology II & BSC 120 and Honors Gen Biology II | |
| Sequence 3: | |

| | | |
|-----------------------------------|-----------------------------|-----------|
| GEO 101 | The Dynamic Earth | |
| & GEO 102 | and The Earth Through Time | |
| Sequence 4: | | |
| GEO 101 | The Dynamic Earth | |
| & GEO 105 | and Sustainable Earth | |
| Select 14 hours of the following: | | 14 |
| MS 306 | Marine Biology | |
| MS 408 | Marine Invertebrate Zoology | |
| MS 448 | Intro Oceanography | |
| GEO 355 | Invertebrate Paleontology | |
| GEO 367 | Sedimentology/Stratigraphy | |
| Total Hours | | 22 |

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. 341) 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.

Marine Science/Biology Major, BS

Students pursuing a marine science degree typically demonstrate a strong interest in some aspect of the marine environment and in the sciences in general. High school preparation should include a solid background in mathematics and introductory biology and/or chemistry.

Department of Biological Sciences
1325 Science and Engineering Complex
bsc.ua.edu
marinescience@as.ua.edu

Admission into the Major

Students are expected to formally declare both majors 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

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.

Students earning the bachelor of science (BS) degree in marine science/biology must complete all University, College and departmental degree requirements. These include the general education requirements, the following double major requirements and other sufficient credits to total a minimum of 120 applicable semester hours.

| Code and Title | Hours |
|---|-----------|
| Major Courses | |
| 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 Biology II Laboratory | |
| BSC 120 Honors Gen Biology II | |
| BSC 300 Cell Biology | 3 |
| BSC 315 Genetics | 3 |
| BSC 385 Ecology and Evolution | 3 |
| BSC electives above 250 | 15 |
| CH 101 or General Chemistry | 4 |
| CH 117 Honors General Chemistry | |
| CH 102 or General Chemistry | 4 |
| CH 118 Honors General Chemistry | |
| GEO 101 The Dynamic Earth | 4 |
| GEO 102 or The Earth Through Time | 4 |
| GEO 105 Sustainable Earth | |
| MS 304 Marine Geology | 4 |
| MS 306 Marine Biology | 4 |
| MS 448 Intro Oceanography | 4 |
| MS elective 300 or 400 level (Consult the marine science coordinator for appropriate MS electives) | 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: | 72 |
| Ancillary Courses | |
| Grades in ancillary courses are not computed in the major GPA. The major in marine science/biology requires the successful completion of the following courses outside the major: | |
| CH 231 Elem Organic Chemistry I | 3 |
| CH 232 Elem Organic Chem II & CH 237 and Elem Organic Chem Lab | 5 |
| MATH 125 or Calculus I | 4 |
| MATH 145 Honors Calculus I | |
| ST 260 or Statistical Data Analysis | 3 |
| BSC 380 Intro Stats Biology | |
| Total Hours | 87 |

Laboratory Courses

Other BSC courses numbered 250 and above including two laboratory courses from the following list of laboratory courses (also see "Additional Major Requirements"):

| Code and Title | Hours |
|-------------------------------------|-------|
| BSC 310 Microbiology | 3 |
| BSC 313 Gen Bacteriology Lab | 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 |

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- and 400-level courses in each major must be earned on this campus.

Required Minor

Marine science/biology does not require a minor.

Additional Major Requirements

Students are not permitted to count the same required major courses toward completion of a second major or minor. Students may count required ancillary courses for one major toward the requirements of another major. The biology department offers a number of courses designed to enrich the learning experience of students beyond the traditional classroom setting. These courses include:

| 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 403 Intro To Bsc Instruction | 2 |
| BSC 404 Honors Bsc Instruction | 2 |
| BSC 407 Honors Seminar In Bsc | 1 |

Beyond specific restrictions listed for each course, a total of four hours from the group above, 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.

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.

A dual major in marine science and biology/chemistry/geology prepares students for a wide variety of employment opportunities in environmentally related fields, industries concerning utilization of marine resources, biotechnology, policy, and education.

Types of Jobs Accepted

Recent graduates have worked in entry-level positions in government agencies, ecotourism (e.g., SCUBA divemasters, whale or dolphin watching boats), and K-12 education. A large number of graduates enter professional school (e.g., medicine, dentistry, veterinary medicine, pharmacy) or graduate school (master's degree, Doctor of Philosophy [Ph.D.]).

Jobs of Experienced Alumni

Marine biologist, marine geologist, conservation specialist, laboratory technician, teacher, professor, aquaculture industry specialist, oceanographer, environmental consultant, marine animal veterinarian.

Learn more about opportunities in this field at the Career Center

Marine Science/Chemistry Major, BS

Students pursuing a marine science degree typically demonstrate a strong interest in some aspect of the marine environment and in the sciences in general. High school preparation should include a solid background in mathematics and introductory biology and/or chemistry.

Department of Biological Sciences
1324 Science and Engineering Complex
bsc.ua.edu
marinescience@as.ua.edu
Department of Chemistry
206 Shelby Hall
chemistry.ua.edu
chemistry@as.ua.edu

Admission into the Major

Students are expected to formally declare both majors 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

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.

Students earning the bachelor of science (BS) degree in marine science/chemistry must complete all University, College and departmental degree requirements. These include the general education requirements, the following double major requirements and other sufficient credits to total a minimum of 120 applicable semester hours.

| Code and Title | Hours |
|--|-------|
| 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 Biology II Laboratory | |
| 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 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 340 Elem Physical Chem | 4 |
| & CH 343 and Elem Phy Chem Lab | |
| CH 461 Biochemistry I | 3 |
| CH 462 Biochemistry II | 3 |
| CH 463 Biochem-Clin/Foren/Chem | 3 |
| GEO 101 The Dynamic Earth | 4 |
| GEO 102 or The Earth Through Time | 4 |
| GEO 105 Sustainable Earth | |
| 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 | |
| MS 304 Marine Geology | 4 |
| MS 306 Marine Biology | 4 |
| MS 448 Intro Oceanography | 4 |
| MS elective 300 or 400 level (Consult the Marine Science Coordinator for appropriate MS electives) | 4 |
| Credit Hours Subtotal: | 75 |

Ancillary Courses

Grades in ancillary courses are not computed in the major GPA. The majors in marine science/chemistry require the successful completion of the following courses outside the major:

| | |
|----------------------------------|-----------|
| MATH 125 or Calculus I | 4 |
| MATH 145 Honors Calculus I | |
| ST 260 Statistical Data Analysis | 3 |
| Total Hours | 82 |

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- and 400-level courses in each major must be earned on this campus.

Required Minor

Marine science/chemistry does not require a minor.

Additional Major Requirements

Students are not permitted to count the same required major courses toward completion of a second major or minor. Students may count required ancillary courses for one major 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.

A dual major in marine science and biology, chemistry, or geology prepares students for a wide variety of employment opportunities in environmentally related fields, industries concerning utilization of marine resources, biotechnology, policy, and education.

Types of Jobs Accepted

Recent graduates have worked in entry-level positions in government agencies, ecotourism (e.g., SCUBA divemasters, whale or dolphin watching boats), and K-12 education. A large number of graduates enter professional school (e.g., medicine, dentistry, veterinary medicine, pharmacy) or graduate school (master's degree, Doctor of Philosophy [Ph.D.]).

Jobs of Experienced Alumni

Marine biologist, marine geologist, conservation specialist, laboratory technician, teacher, professor, aquaculture industry specialist, oceanographer, environmental consultant, marine animal veterinarian.

Learn more about opportunities in this field at the Career Center

Marine Science/Geology Major, BS

Students pursuing a marine science degree typically demonstrate a strong interest in some aspect of the marine environment and in the sciences in general. High school preparation should include a solid background in mathematics and introductory biology and/or chemistry.

Department of Biological Sciences
1324 Science and Engineering Complex
bsc.ua.edu

marinescience@as.ua.edu
Department of Geological Sciences
2003 Beville Building
geo.ua.edu

geology@as.ua.edu

Admission into the Major

Students are expected to formally declare both majors 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

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.

Students earning the bachelor of science (BS) degree in marine science/geology must complete all university, college and departmental degree requirements. These include the general education requirements, the following double major requirements and other sufficient credits to total 128 applicable semester hours.

| Code and Title | Hours |
|--|-------|
| 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 Biology II Laboratory | |
| 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 | |
| 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 | 6 |
| MS 304 Marine Geology | 4 |
| MS 306 Marine Biology | 4 |
| MS 448 Intro Oceanography | 4 |
| MS elective 300 or 400 level (Consult the Marine Science coordinator for appropriate MS electives) | 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: | 81 |
| Ancillary Courses | |
| Grades in ancillary courses are not computed in the major GPA. The major in marine science/geology 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 | |
| ST 260 Statistical Data Analysis | 3 |
| Total Hours | 92 |

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- and 400-level courses in each major must be earned on this campus.

Required Minor

Marine science/chemistry does not require a minor.

Additional Major Requirements

Students are not permitted to count the same required major courses toward completion of a second major or minor. Students may count required ancillary courses for one major 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.

A dual major in marine science and biology, chemistry, or geology prepares students for a wide variety of employment opportunities in environmentally related fields, industries concerning utilization of marine resources, biotechnology, policy, and education.

Types of Jobs Accepted

Recent graduates have worked in entry-level positions in government agencies, ecotourism (e.g., SCUBA divemasters, whale or dolphin watching boats), and K-12 education. A large number of graduates enter professional school (e.g., medicine, dentistry, veterinary medicine, pharmacy) or graduate school (master's degree, Doctor of Philosophy [Ph.D.]).

Jobs of Experienced Alumni

Marine biologist, marine geologist, conservation specialist, laboratory technician, teacher, professor, aquaculture industry specialist, oceanographer, environmental consultant, marine animal veterinarian

Learn more about opportunities in this field at the Career Center

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 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 |
|---|-------|
| Major Courses | |
| 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 Biology II Laboratory | |
| 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 |
| Electives | |
| 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 101 or CH 117 | General Chemistry Honors General Chemistry | 4 |
| 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 |

Additional Major Requirements ¹

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

Footnotes

¹ 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 Biology II Laboratory, 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 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 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 456 | Microbial Ecology | 3 |
| BSC 464 | Biology Of Algae | 4 |
| BSC 472 | Mycology | 4 |
| 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 Honors Thesis Research ¹ | 1-8 |
| BSC 398 Undergraduate Research | |
| BSC 439 Bch/Molecular Biology Lab | 3 |
| BSC 442 Integrated Genomics | 4 |
| BSC 464 Biology Of Algae | 4 |
| BSC 472 Mycology | 4 |

Footnotes

¹ 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. 341) 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 Biology.

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 |
|--------------------------------------|-------|
| Minor courses | |
| 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 Biology II Laboratory 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. 341) 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 Biology II Laboratory, 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 |
|---|-----------|
| Minor Courses | |
| BUI 100 Convocation (taken twice for one hour each) | 2 |
| Foundation Courses | |
| BUI 101 Foundation I | 3 |
| BUI 102 Foundation II | 3 |
| BUI 301 Thematic Seminar | 3 |
| BUI 301 Thematic Seminar | 3 |
| BUI 301 Thematic Seminar | 3 |
| BUI 401 Blount Capstone Worldviews | 3 |
| Total Hours | 20 |

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. 341) 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

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. 427)
 - Chemistry, BS (p. 428)
- Minor
 - Chemistry (p. 430)

Chair

- Szulczewski, Gregory J.

Professors

- Blackstock, Silas C.
- Cassidy, Carolyn J.

- Pan, Shanlin
- Papish, Elizabeth T.
- Shaughnessy, Kevin H.
- Vincent, John B.

MINT Professor

- Gupta, Arunava

Robert Ramsay Professors

- Dixon, David A.

Associate Professors

- Bakker, Martin G.
- Bonizzoni, Marco
- Frantom, Patrick
- Jennings, Michael P.
- Pierce, Brad S.
- Rugar, Paul A.
- Snowden, Timothy S.
- Street, Shane C.
- Szulczewski, Gregory J.
- Woski, Stephen A.

Assistant Professors

- Allred, Jared
- Dunkle, Jack
- 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): MATH 113 or (MATH 115 or MATH 125 or MATH 145 or MATH 126 or MATH 146 with concurrent enrollment allowed)

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, CH 101, or CH 117 MATH 112 or 115

Prerequisite(s) with concurrency: MATH 113

Natural Science

View All Courses

Faculty**Chair**

Szulczewski, Gregory J.

Professors

Blackstock, Silas C.

Cassady, Carolyn J.

Pan, Shanlin

Papish, Elizabeth T.

Shaughnessy, Kevin H.

Vincent, John B.

MINT Professor

Gupta, Arunava

Robert Ramsay Professors

Dixon, David A.

Associate Professors

Bakker, Martin G.

Bonizzoni, Marco

Frantom, Patrick

Jennings, Michael P.

Pierce, Brad S.

Rugar, Paul A.

Snowden, Timothy S.

Street, Shane C.

Szulczewski, Gregory J.

Woski, Stephen A.

Assistant Professors

Allred, Jared

Dunkle, Jack

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
- Participate in CH 491 Honors Research Sem, CH 492 Honors Research Sem, CH 493 Honors Research Sem, CH 494 Honors Research Sem, honors research seminars and research courses
- Submit an acceptable senior thesis based on research conducted under the supervision of a chemistry department faculty member
- Submit scores on the Graduate Record Examination or other appropriate examinations prior to graduation

Students are invited to apply for admission to the Chemistry Honors Program on the basis of performance in introductory chemistry courses. Contact the chemistry department 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 or the minor in chemistry 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

CH 396 or Undergrad Research
CH 398 or Undergrad Research

Hours

2-6

| | | |
|-----------|--------------------|-----|
| 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. 341) 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 100 or General Chemistry I - Plus | |
| 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 |
| Credit Hours Subtotal: | 41 |

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 General Physics W/Calc II | 4 |
| PH 126 Honors Gen Ph W/Calculus II | |
| Total Hours | 61 |

Biochemistry Track

| Code and Title | Hours |
|--------------------------------------|-------|
| CH 101 or General Chemistry | 4 |
| CH 100 or General Chemistry I - Plus | |
| 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 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 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 General Physics W/Calc II | 4 |
| PH 126 Honors Gen Ph W/Calculus II | |

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 and related sciences. These students often pursue careers in academia (high school and college teachers) or in the chemical industry. 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 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 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.

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 |
|--------------------------------------|-------|
| Major Courses | |
| CH 101 or General Chemistry | 4 |
| CH 100 or General Chemistry I - Plus | |
| 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 340 Elem Physical Chem | 4 |
| & CH 343 and Elem Phy Chem Lab | |
| 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 Biology II Laboratory | |
| 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. 341) 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 working in the chemical industry 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 |
|--|---|
| Minor Courses | |
| CH 101 or CH 100 or CH 117 | General Chemistry General Chemistry I - Plus 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. 431)
- Minor
 - Communicative Disorders (p. 432)

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 |
|---|-------|
| Major Courses | |
| 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 |
| Ancillary Courses | |
| 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 Biology II Laboratory | |
| 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

Total Hours 48

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

Mrs. Mary Ray-Allen

Coordinator, Audiological Services

Dr. JoAnne Payne

Graduate Research Professor Emeritus

Dr. Charles Formby

Full Professor

Dr. Marcia Hay-McCutcheon

Associate professors

Dr. Angela Barber

Dr. Anthony Buhr

Dr. Memorie Gosa

Dr. Evie Malaia

Assistant professors

Dr. Spyridoula Cheimariou

Dr. Paul Reed

Dr. Hyunjoo Yoo

Clinical Educators

Dr. Christy Albea

Mrs. Mary Bryan

Mrs. Kandis Chatman

Mrs. Candace Cook

Mrs. Claire January

Mrs. Sara Shirley

Mrs. DeLaine Stricklin

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 |
|---------------------------------------|-------|
| 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 |
| Total Hours | | 18 |

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. 433)
- Minors
 - Criminal Justice (p. 434)
 - Cyber Criminology (p. 435)
 - Sociology (p. 435)

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 |
|---------------------------------|-----------|
| Major Courses | |
| 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 |
| Electives | |
| CJ electives ¹ | 18 |
| 400 level electives | 6 |
| Credit Hours Subtotal: | 24 |
| Total Hours | 36 |

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. 341) 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 |
|--|-----------|
| Minor Courses | |
| CJ 100 Intro Criminal Justice | 3 |
| Credit Hours Subtotal: | 3 |
| Electives | |
| CJ electives 300 or 400 level ¹ | 6 |
| CJ electives ¹ | 9 |
| Credit Hours Subtotal: | 15 |
| Total Hours | 18 |

Footnotes

¹ 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. 341) 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 |
|--|-----------|
| Minor Courses | |
| 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 |
| Electives | |
| 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. 341) 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 |
|--------------------------------|-----------|
| Minor Courses | |
| SOC 101 Intro To Sociology | 3 |
| SOC 302 Sociological Theory | 3 |
| Credit Hours Subtotal: | 6 |
| Electives | |
| SOC electives 300 or 400 level | 6 |
| SOC electives | 6 |
| Credit Hours Subtotal: | 12 |
| 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. 341) 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.

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.

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 ¹ | 18 |
| ST 260 Statistical Data Analysis | 3 |
| MATH 121 or Calculus & Applications | 3 |
| MATH 125 Calculus I | |
| Total Hours | 36 |

Footnotes

¹ 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.

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 ¹ | 12 |
| Total Hours | 30 |

Footnotes

¹ 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

Faculty

Chair

Laura Razzolini, Department Head

Professors

Cary A. Deck

Daniel J. Henderson

Byung-Cheol Kim

Junsoo Lee

Tigran Melkonyan

Paul Pecorino

Michael Price

Robert R. Reed III

Associate professors

Peter Brummund

Gregory Givens

Robert Hammond

Paan Jindapon

Amanda Ross

Assistant professors

Alecia Cassidy

Traviss Cassidy

Erik Johnson

Soroush Ghazi

Xiaochun Liu

Mark Schneider

Instructors

Will Wash

Christopher A. Whaley

Tao-Chen Yeh

Kent Zirlott

Professor emeritus

Walter Enders

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. 438)
- Minors
 - Creative Writing (p. 437)
 - Digital, Public, and Professional Writing (p. 437)
 - English (p. 440)
 - Interdisciplinary Linguistics (p. 440)
 - World Literature (p. 441)

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 |
|---|-----------|
| Minor Courses | |
| EN 200 Intro Creative Writing | 3 |
| EN 408 Advanced Creative Writing (Must be taken twice for 6 hours) | 6 |
| Select 12 hours of upper-division Creative Writing Electives | |
| EN 301 Fiction Writing | |
| EN 303 Poetry Writing | |
| EN 305 Creative Nonfiction Writing | |
| EN 307 or EN 313 or EN 317 Special Topics in Applied CW Writing Across Media Writing Center Practicum | |
| (Only 3 credit hours will count between EN 307, EN 313, or EN 317) | |
| EN 308 Forms Of Creative Writing | |
| Total Hours | 21 |

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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 |
|---|-----------|
| Required Courses | 3 |
| Select One: | |
| EN 200 Intro Creative Writing | |
| EN 201 How English Works | |
| Required Literature Survey Courses | 6 |
| 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 I | |
| 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 | |
| Required Electives | 12 |
| 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 workaday 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 the English Honors Program and the Sigma Tau Delta honor society. Contact the department for more information.

Honors in English

The English Department offers an Honors Program for students who wish to wish to pursue more advanced studies in the major. Any English major with a superior aptitude for and a special interest in English may apply for admission to the Honors Program. The program includes honors sections of 200-level literature surveys, a 300-level Honors Seminar in English, and an Honors Thesis, which counts as a 400-level course. The 200-level honors classes allow students to pursue British or American Literature in depth, at an advanced level, and in a seminar-style setting. The EN 399 Honors Seminar in English gives students the opportunity to take an advanced, research-centered course that cuts across conventional divisions of literary period and literary form. The EN 499 Honors Thesis affords each student the opportunity to work individually with a faculty mentor who will guide him or her in reading, researching, and writing a 30-40 page thesis. To be eligible for graduation with honors in English, participants must complete any two of the following courses: EN 217 Honors World Literature I, EN 218 Honors World Literature II, EN 251 Honors African American Literature I, EN 252 African American Honors English Literature, EN 215 Honors English Literature I, EN 216 Honors English Literature II, EN 219 Honors American Literature, EN 220 Honors American Literature II; as well as EN 399 Honors Seminar in English and EN 499 Honors Thesis with a minimum grade of "B" in each. (Some flexibility at the 200- and 300-level is possible with permission of the coordinators). Students must have at least a 3.5 GPA in the English major and 3.3 GPA overall to complete the program successfully. See the English Department website, or contact the coordinators of the English Honors Program 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 |
|---|-------|
| Major Courses | |
| Select three of the following 200 level courses: ¹ | 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 |
| Electives ² | |
| 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 |
| Total Hours | 36 |

Footnotes

- ¹ 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.
- ²
- 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. 341) 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.

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 |
|--|-----------|
| Minor Courses | |
| Select three (3) from the following 200 level EN courses: ¹ | 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 |
| Electives | |
| Select four EN electives at the 300-400 level | 12 |
| Credit Hours Subtotal: | 12 |
| Total Hours | 21 |

Footnotes

¹ 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. 341) 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 |
|--|-------|
| Minor Courses | |
| 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 |
| Linguistic and Language Study Courses | |
| 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 | Ling. Fundamentals of Spanish |
| SP 390 | Special Topics |
| SP 483 | Intro to Spanish Linguistics |
| SP 484 | Phonetics And Pronunciation |
| SP 485 | Open Topics in Linguistics |
| 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. 341) 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 |
|------------------------------------|-----------|
| Minor Courses | |
| EN 207 or World Literature I | 3 |
| EN 217 Honors World Literature I | |
| EN 208 or World Literature II | 3 |
| EN 218 Honors World Literature II | |
| Credit Hours Subtotal: 6 | |
| Literature Elective Courses | |
| Select 15 hours ¹ | 15 |
| Credit Hours Subtotal: 15 | |
| Total Hours | 21 |

Footnotes

¹ 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 | 3 |
| CL 222 | Greek Roman Mythology | 3 |
| CL 350 | Roman Religion | 3 |
| CL 365 | Greece & Rome in Lit. & Film | 3 |
| GN 250 | Germanic Mythology | 3 |
| GN 254 | Survey of German Cinema | 3 |
| GN 260 | Holocaust In Film & Lit | 3 |
| GN 264 | German Literature Translatn I | 3 |
| GN 265 | German Lit In Translatn II | 3 |
| GN 371 | Gn Cult Civil Thru 1832 | 3 |
| GN 372 | Germn Cult Civ 1832-Present | 3 |
| JA 356 | Traditional Japanese Lit Trans | 3 |
| JA 357 | Japanese Literature & Film | 3 |
| REL 240 | Apocalypse In Popular Media | 3 |
| REL 311 | English Bible As Literature | 3 |
| REL 341 | Theories of Myth | 3 |
| REL 430 | Religion and Literature | 3 |
| RUS 223 | Rus Lit in Trans I | 3 |
| RUS 224 | Rus Lit In Transl II | 3 |
| RUS 252 | Russian Folklore | 3 |
| RUS 325 | Dostoevsky | 3 |
| RUS 326 | Tolstoy | 3 |

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. 341) 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. 442)

Associate professor

- Justin Hart

Faculty

Associate 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 |
|---|-------|
| Core Hours | |
| 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 Biology II Laboratory 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 | |
| GEO 105 Sustainable Earth | 4 |
| GY 204 Map & Air Photo Interpretation | 4 |
| Select one of the following: | 3 |
| GY 339 Natural Resource Environm 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 | |
| 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 | 4 |
| MATH 145 Honors Calculus I | |
| 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 |
| GY 413 Applied Climatology | 3 |
| GY 414 Climate Change and Health | 3 |
| GY 415 The Geography of Extinctions and Endangered Species | 3 |
| GY 444 Field Studies In Africa | 6 |
| GY 450 Field Studies in Belize | 6 |
| GY 454 Costa Rica Field Studies: Tropical Ecology, Conservation, and Development | 4 |
| GY 470 Special Topics | 3 |

| | | |
|---------|--|-----|
| GY 472 | Soil Science | 4 |
| GY 477 | Water Resources Management | 3 |
| GY 483 | Environment Science Internship | 3-9 |
| 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 |
| GEO 306 | Hydrogeology | 3 |
| GEO 363 | Geomorphology | 3 |
| GEO 399 | Undergraduate Research | 1-6 |
| GEO 401 | Paleoclimatology | 3 |
| GEO 410 | Soil & Groundwater Restoration | 3 |
| GEO 411 | Contaminant Transport | 3 |
| GEO 424 | Topics In Geology | 1-4 |
| BSC 303 | Field Zoology | 3 |
| BSC 314 | Dendrology | 3 |
| BSC 315 | Genetics | 3 |
| BSC 320 | Freshwater Studies | 4 |
| BSC 325 | Tropical Plant Diversity | 4 |
| BSC 360 | Plant Biology | 4 |
| BSC 371 | Biology of Lower Plants | 4 |
| BSC 373 | Vertebrate Zoology | 4 |
| BSC 386 | General Ecology Lab | 3 |
| BSC 398 | Undergraduate Research | 1-4 |
| BSC 412 | Limnology | 3 |
| BSC 415 | Wetland Ecology | 3 |
| BSC 417 | Environmental Modeling | 3 |
| BSC 428 | Biology Of Fishes | 4 |
| BSC 434 | Plant Systematics | 4 |
| 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 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 490 | Stream Ecology | 4 |
| BSC 497 | Special Topics | 1-4 |
| BSC 448 | Animal Behavior | 3 |
| BSC 465 | Prin Of Toxicology | 3 |
| BSC 487 | Biogeography | 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. 341) 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

The environmental science major 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.

Natural Resources and Ecosystem Conservation Concentration **Hours**

Required courses

| | | |
|---------|--------------------------------|---|
| EC 110 | Principles of Microeconomics | 3 |
| COM 123 | Public Speaking | 3 |
| PHL 292 | Introduction to Ethics | 3 |
| EN 319 | Technical Writing | 3 |
| GY 339 | Natural Resource Envirnm Plang | 3 |

General Management and Planning Course (Choose 1) **3**

| | |
|--------|-------------------------|
| GY 452 | Environ Decision Making |
| GY 453 | Environment & Society |
| GY 441 | Land Use Regulations |
| GY 462 | Land Use Science |

Thematic Management and Planning Course (Choose 2) **6-8**

| | |
|---------|---|
| GY 385 | Watershed Management Plan Development |
| GY 409 | Forest History and Restoration |
| GY 415 | The Geography of Extinctions and Endangered Species |
| GY 477 | Water Resources Management |
| GY 492 | Eastern Forest Communities |
| GY 496 | Forest Ecosystems |
| BSC 482 | Conservation Biology |
| GEO 410 | Soil & Groundwater Restoration |

Measurements Course (Choose 1) **3-4**

| | |
|---------|-------------------------------|
| GY 488 | Digital Terrain and Watershed |
| GY 494 | Forest Measurement & Methods |
| BSC 380 | Intro Stats Biology |
| BSC 417 | Environmental Modeling |

Ecological Processes (Choose 2) **6-8**

| | |
|---------|--------------------------|
| 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 |
| Earth Surface Processes (Choose 1) | 3-4 |
| GY 363 | Geomorphology |
| GY 404 | Physical Geography Seast Us |
| GY 472 | Soil Science |
| 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. 445)
- Minors
 - African American Studies (p. 446)
 - Women's Studies (p. 447)

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

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 |
|--|-------|
| Major Courses | |
| 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 |
| Electives | |
| Select six courses of AAST electives or other approved electives | 18 |
| | Credit Hours Subtotal: 18 |
| Total Hours | 33 |

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 American Topic 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 |
| HY 300 Special Studies in History | 3 |
| HY 400 Special Studies in History | 1 |
| 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. 341) 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 |
|--|-----------|
| Minor Courses | |
| 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 | |
| Electives | |
| Select three AAST electives or other approved electives | 9 |
| Credit Hours Subtotal: | 21 |
| Total Hours | 21 |

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 American Topic 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 |
| HY 300 Special Studies in History | 3 |
| HY 400 Special Studies in History | 1 |
| 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. 341) 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 |
|---|-----------|
| Minor Courses | |
| WS 200 Intro To Women Studies | 3 |
| WS 430 or Contemp Issues Feminist Theory | 3 |
| WS 470 Gender, Race, and Class | |
| 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 |
| 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. 341) 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. 449)
 - Geography, BS (p. 450)
- Minors
 - Geography (p. 452)
 - Geographic Information Systems (GIS) (p. 448)

Chair and Professor

- Sherman, Douglas J.

Professors

- Appiah Opoku, Seth
- Curtin, Kevin
- Han, Luoheng
- Hart, Justin
- Liu, Hongxing
- Messina, Joseph
- Steinberg, Michael
- Therrell, Matthew
- Weber, Joe

Associate Professors

- Cohen, Sagy
- Davis, Lisa
- Senkbeil, Jason

Assistant Professors

- Keellings, David
- Lafavor, 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

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

[View All Courses](#)**Faculty****Chair and Professor**

Sherman, Douglas J.

Professors

Appiah Opoku, Seth

Curtin, Kevin

Han, Luoheng

Hart, Justin

Liu, Hongxing

Messina, Joseph

Steinberg, Michael

Therrell, Matthew

Weber, Joe

Associate Professors

Cohen, Sagy

Davis, Lisa

Senkbeil, Jason

Assistant Professors

Keellings, David

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

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 |
|--|-------------------------------|-----------|
| Minor Courses | | |
| 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 | |
| Total Hours | | 20 |

Geographic Information Systems (GIS) minor requirements for non-Geography majors:

| Geographic Information Systems (GIS) minor for non-majors | | Hours |
|---|-------------------------------|-------|
| Required Courses | | |
| 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

Total Hours 19

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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 |
|---------------------------------------|---------------------------|
| Major Courses | |
| 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 |
| Concentration | |

Select a GY concentration from the list below 12

Credit Hours Subtotal: 12

Electives

Select six hours of GY electives 6

Credit Hours Subtotal: 6

Total Hours 36

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. 341) 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 Soil Science | 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 351 | 3 |
| GY 365 Industrial Develop & Location | 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 Transport Geography | 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 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 |

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 |
|---------------------------------------|---------------------------|
| Major Courses | |
| 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 |
| Concentration | |
| Select a GY concentration | 12 |
| | Credit Hours Subtotal: 12 |
| Electives | |
| Select six hours of GY electives | 6 |
| | Credit Hours Subtotal: 6 |

Ancillary Courses

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 |
| Total Hours | 43 |

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. 341) 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 Soil Science | 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 310 America's Public Lands | 3 |
| GY 317 Natural Hazards | 3 |
| GY 339 Natural Resource Envirnm Plang | 3 |
| GY 341 Geography Of Us And Canada | 3 |
| GY 344 Geography Of Africa | 3 |
| GY 345 Geography of Latin America | 3 |
| GY 346 Geography of Europe | 3 |
| GY 365 Industrial Develop & Location | 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 443 Location Science | 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 457 Environmental Entrepreneurship | 3 |
| GY 458 Urban Planning And Analysis | 3 |
| GY 462 Land Use Science | 4 |
| GY 464 Conservation Politics | 3 |
| GY 466 Transport Geography | 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 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 | |
|--|---|-----------|
| Minor Courses | | |
| 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. 341) 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. 453)
 - Geology, BS (p. 454)
 - Geology, BSG (p. 455)
- Minor
 - Geology (p. 456)

Chair

- Robinson, Delores

Associate Professors

- Dimova, Natasha
- Genareau, Kimberly
- Goodliffe, Andrew M.
- Hansen, Samantha
- Lu, Yuehan
- Perez-Huerta, Alberto
- Zhang, Yong

Professors

- Andrus, Fred
- Cemen, Ibrahim
- Donahoe, Rona J.
- Robinson, Delores
- Stowell, Harold H.
- Tick, Geoffrey

Assistant Professors

- Cartwright, Julia
- Minzoni, Marcello
- Minzoni, Rebecca
- Nearing, Grey
- 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

- 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

Goodliffe, Andrew M.

Hansen, Samantha

Lu, Yuehan

Perez-Huerta, Alberto

Zhang, Yong

Professors

Andrus, Fred

Cemen, Ibrahim

Donahoe, Rona J.

Robinson, Delores

Stowell, Harold H.

Tick, Geoffrey

Assistant Professors

Cartwright, Julia

Minzoni, Marcello

Minzoni, Rebecca

Nearing, Grey

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

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 |
|--------------------------------|------------------------|-----------|
| Major Courses | | |
| GEO 101 | The Dynamic Earth | 4 |
| GEO 102 | The Earth Through Time | 4 |
| Electives | | |
| GEO electives 300 or 400 level | | 12 |
| GEO electives | | 10 |
| Total Hours | | 30 |

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. 341) 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 |
|----------------------|----------------------------|----------------------------------|
| Major Courses | | |
| 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 |

Ancillary Courses

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 CH 117 | General Chemistry Honors General Chemistry | 4 |
| CH 102 or CH 118 | General Chemistry Honors General Chemistry | 4 |
| CH 223 | Quantitative Analysis | 4 |
| 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 |
| 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: | | 35 |
| Total Hours | | 71 |

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. 341) 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 |
|--------------------------------------|-------|
| Major Courses | |
| 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 |

Ancillary Courses

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 |
| Total Hours | | 69 |

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. 341) 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 | |
| Electives | |
| GEO electives 300 or 400 level | 6 |
| GEO electives | 4 |
| Credit Hours Subtotal: 10 | |
| 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. 341) 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. 458)
- Minors

- History (p. 461)
-

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

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.

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 |
|-----------------------|--------------|
|-----------------------|--------------|

| | |
|--|----|
| Major Courses | |
| Majors must take 12 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: | 12 |

| | | |
|--------|-------------------------------|--|
| 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: | 12 |
|------------------------|----|

Field Requirement

| | |
|--|---|
| Select three hours from each field (see below) | 9 |
|--|---|

| | |
|------------------------|---|
| Credit Hours Subtotal: | 9 |
|------------------------|---|

Electives

| | |
|--|---|
| Students must take 9 hours of electives. Electives can come from any of the Geographic Field-specific courses (listed below) as well as courses that have no geographic specialization, like HY201 (Legal History Experiential Learning), HY 302 (History Mentoring) and HY 394 (The Historian's Craft). | 9 |
|--|---|

| | |
|------------------------|---|
| Credit Hours Subtotal: | 9 |
|------------------------|---|

| | | |
|--------|----------------------------------|---|
| HY 430 | UG Research Seminar ¹ | 3 |
|--------|----------------------------------|---|

| | |
|--------------------|-----------|
| Total Hours | 33 |
|--------------------|-----------|

Footnotes

¹ A minimum grade of C (2.0) is required to receive credit for HY 430 UG Research Seminar. Students who complete a history honors thesis are exempt from this requirement.

Fields

A minimum of 3 hours from each of the following fields must be completed for a total of 9 hours.

Depending on the content, HY 300 Special Studies in History, HY 301 Independent Study, HY 399 History Honors Colloquium, HY 400 Special Studies in History, HY 430 UG Research Seminar, HY 498 Honors Thesis I, and HY 499 Honors Thesis II can also fulfill these requirements. Students should contact the History Department's Director of Undergraduate Studies to confirm ahead of time how these courses will be counted on a case-by-case basis.

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 314 | Coming Of The Civil War | 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 | War & Society since 1898 | 3 |
| HY 329 | American Religious HY to 1870 | 3 |
| HY 330 | Civil Rights Movement | 3 |
| HY 331 | Religion and Civil Rights | 3 |
| HY 332 | Native American History | 3 |
| HY 334 | The Nineteenth Century City | 3 |
| HY 335 | Handmade Nation: Knitting and History | 3 |
| HY 337 | Foodways in American History | 3 |
| HY 341 | Hy US - Vietnam War | 3 |
| HY 342 | US from WWI to WWII | 3 |
| HY 345 | Race and Science | 3 |
| HY 351 | The First Amendment | 3 |
| HY 352 | The Right to Privacy | 3 |
| HY 406 | Topics in American History | 3 |
| HY 408 | Colonial Us to 1763 | 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 426 | Hist of Strategic Intelligence | 3 |
| HY 429 | Spanish Frontier in N. America | 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 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 405 | Topics in European History | 3 |
| HY 442 | The Middle Ages | 3 |
| HY 443 | Renaissance | 3 |
| HY 483 | Thirty Years' War | 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 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 429 | Spanish Frontier in N. America | 3 |
| HY 473 | Indians, Nuns, & Rogues | 3 |
| HY 474 | Relation US Latin Amer | 3 |
| HY 477 | Imperial Spain's "Golden Age" | 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. 341) section of this catalog for an explanation on grade point average calculations.

Upper-level Residency

A minimum of 12 semester hours of 300- and 400-level courses in the major must be earned on this campus.

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

History 200-, 300- and 400-level courses are open to all students of sophomore standing or higher.

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 430 UG 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 430 UG 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 |
|--|--|-----------|
| Required Courses | | |
| HY 440 | Public History Internship | 3 |
| HY 439 | Foundations in Public History | 3 |
| Elective Courses | | |
| 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 331 | Religion and Civil Rights | |
| HY 400 | Special Studies in History (Southern Memory - Lynching in Alabama) | |
| HY 441 | Oral History | |
| NEW 230 | Environmental Studies | |
| NEW 273 | Social Issues & Ethics | |
| NEW 365 | Environmental Policy | |
| NEW 436 | Public Leadership | |
| Total Hours | | 12 |

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.

| Required Foundational Course | | Hours |
|--------------------------------------|--------------------------------|-----------|
| Required Foundational Courses | | |
| HY 309 | Great Cases - US Legal History | 3 |
| HY 201 | Legal History Field Experience | 1 |
| Elective Courses | | 8 |
| HY 323 | Us Constitut Hy to 1877 | |
| HY 324 | Us Constitut Hy sc 1877 | |
| HY 351 | The First Amendment | |
| HY 352 | The Right to Privacy | |
| HY 332 | Native American History | |
| HY 460 | The Warren Court | |
| HY 461 | History of Slavery in Law | |
| HY 462 | French Legal History | |
| HY 491 | England under Stuarts | |
| Total Hours | | 12 |

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 | |
|--|-----------|----|
| Minor Courses | | |
| 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 |
| Electives | | |
| Select nine hours of HY electives 300 or 400 level | 9 | |
| Select six hours of HY electives | 6 | |
| Credit Hours Subtotal: | | 15 |
| Total Hours | 21 | |

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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.

Marine Science Program

Professor

- Olson, Julie

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**Professor**

Olson, Julie

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. 465)
- Minors
 - Mathematics (p. 467)
 - Mathematical Statistics (p. 464)
 - Mathematics Education (p. 464)

Chair

- Cruz-Uribe, David

Undergraduate Director

- Gleason, Jim

Professors

- Corson, Jon M.
- Cruz-Uribe, David
- Dixon, Martyn R.
- Evans, Martin
- Gleason, Jim
- Hadji, Layachi
- Halpern, David C. M. J.
- Liem, Vo Thanh
- 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
- Toro-Rodriguez, Roberto
- Tosun, Bulent
- Wang, Chuntian
- Watley, Laura Erin

Instructors

- Boxmeyer, John
- Chambless, Jil
- Chen, Mengpu
- Hocutt, Jasmine
- Homan, Timothy
- 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-Urbe, David

Undergraduate Director

Gleason, Jim

Professors

Corson, Jon M.

Cruz-Urbe, David

Dixon, Martyn R.

Evans, Martin
 Gleason, Jim
 Hadji, Layachi
 Halpern, David C. M. J.
 Liem, Vo Thanh

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
 Toro-Rodriguez, Roberto
 Tosun, Bulent
 Wang, Chuntian
 Watley, Laura Erin

Instructors

Boxmeyer, John
 Chambless, Jil
 Chen, Mengpu
 Hocutt, Jasmine
 Homan, Timothy
 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 |
|---|-----------|
| Minor Courses | |
| 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 |
| Total Hours | 21 |

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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.

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.

| Code and Title | Hours |
|--------------------------------------|-----------|
| Minor Courses | |
| 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 |
| Total Hours | 17 |

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. 341) 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 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 |
|---|----------|
| Core Courses | |
| 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 |
| Students must complete one of the following sequences. | 6 |
| 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 471and Prin Modern Algebra II
MATH 486 Real Analysis I
& MATH 487 and Intro to Real Analysis II

Electives

Select 12 additional hours of MATH electives at or above 300. 12
Credit Hours Subtotal: 36

Ancillary Courses

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 |
| CS 322 | Python Programming |
| 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. 341) 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 44 and Boundary Value Problems

MATH 410 Numerical Linear Algebra
& MATH 411and Numerical Analysis I

MATH 411 Numerical Analysis I
& MATH 412and Numerical Analysis II

MATH 420 Linear Optimization Theory
& MATH 421and 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

Total Hours 12

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. 596).

| 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

Total Hours 12

Statistics and Optimization Concentration

| Code and Title | Hours |
|----------------|-------|
|----------------|-------|

Choose four from the following: 12

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

Total Hours 12

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 |
|--|-------|
| Minor Courses | |
| 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

Electives

Select six hours of MATH electives 300 level and above 6

Credit Hours Subtotal: 6

Total Hours 21

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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. 470)
 - Spanish, BA (p. 477)
- Minors
 - Arabic (p. 469)
 - Chinese (p. 469)
 - Classical Civilization (p. 470)
 - French (p. 473)
 - German (p. 474)
 - Greek (p. 474)
 - Italian (p. 474)
 - Japanese (p. 475)
 - Latin (p. 476)
 - Latin American, Caribbean, and Latino Studies (p. 475)
 - Russian (p. 476)

- Spanish (p. 478)
-

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.
- Drewelow, Isabelle
- Drozd, Andrew M.
- Edmunds, Bruce
- Janiga-Perkins, Constance G.
- Koronkiewicz, Bryan
- Lazda-Cazers, Rasma
- Lightfoot, Douglas
- Mayer, Carmen
- Moody, Sarah
- O'Rourke, Erin
- Robin, Jean Luc
- Rodeño, Ignacio F.

- Romanelli, Claudia
- Shannon-Henderson, Kelly
- Summers, Tatiana
- Worden, William

Assistant Professors

- Elnaili, Safa
- Feminella, Matthew
- Goethals, Jessica
- Granja, Xabier
- McKay, Micah
- Montalbano, Alessandra
- Range, Regina
- Stamm, Gina

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.

Drewelow, Isabelle

Drozd, Andrew M.

Edmunds, Bruce

Janiga-Perkins, Constance G.

Koronkiewicz, Bryan

Lazda-Cazers, Rasma

Lightfoot, Douglas

Mayer, Carmen
 Moody, Sarah
 O'Rourke, Erin
 Robin, Jean Luc
 Rodeño, Ignacio F.
 Romanelli, Claudia
 Shannon-Henderson, Kelly
 Summers, Tatiana
 Worden, William

Assistant Professors

Elnaili, Safa
 Feminella, Matthew
 Goethals, Jessica
 Granja, Xabier
 McKay, Micah
 Montalbano, Alessandra
 Range, Regina
 Stamm, Gina

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 |
|--|-----------|
| Required Courses | |
| ARB 201 Intermediate Arabic | 3 |
| ARB 202 Intermediate Arabic | 3 |
| ARB 301 Third-year Arabic | 3 |
| ARB 302 Advanced Arabic | 3 |
| Elective Courses | 6 |
| 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 | |
| Total Hours | 18 |

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 |
|--|-----------|
| Minor Courses | |
| 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 350 Traditional Chinese Lit Trans | |
| CHI 351 Modern Chinese Lit Trans | |
| CHI 401 Advanced Chinese I | |
| CHI 402 Advanced Chinese II | |
| Credit Hours Subtotal: | 18 |
| Ancillary Courses | |
| 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 |
| Total Hours | 26 |

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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 |
|---|-----------|
| Required Courses | |
| CL 222 Greek Roman Mythology | 3 |
| CL 385 History Of Greece | 3 |
| CL 386 History Of Rome | 3 |
| Elective Courses | |
| | 9 |
| CL 300 History of the Early Church | |
| CL 323 Alexander the Great, Then & Now | |
| CL 333 Greek Civilization | |
| CL 344 Julius Caesar | |
| CL 350 Roman Religion | |
| CL 365 Greece & Rome in Lit. & Film | |
| CL 380 Special Topics | |
| CL 450 Aristotle: How Stuff Works | |
| ARH 351 Ancient Art | |
| PHL 211 Ancient Philosophy | |
| Greek or Latin language electives at the 100 level or above | |
| Total Hours | 18 |

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. 341) 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 |
|---|-------|
| Required Courses | |
| Select one of the following language sequences: ¹ | 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 Antiquity to Modernity | |
| Select Greek or Latin language electives (100 level or above) | |

Total Hours 33

Footnotes

¹ Students must complete a foreign language sequence from 101-202 in either Latin or Greek.

French Track

| Code and Title | Hours |
|---|-------|
| Required Courses | |
| 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 Civilization-Abroad | |
| FR 341 Survey Fr Literature I ¹ | 3 |
| FR 351 Survey Fr Literature II ¹ | 3 |
| FR 421 or Pronunciation & Phonetics | 3 |
| FR 484 Adv Converstn Phonetics | |
| Select two of the following: ⁶ | 6 |
| FR 331 French Civilization ² | |
| FR 339 French Civilization-Abroad | |
| FR 361 Intro Romance Linguistic | |
| FR 424 Globalization, Mktg & Comm. | |
| FR 431 Contemp French Civiliztn ² | |
| FR 441 Page & Stage | |
| FR 461 French Linguistics | |
| Credit Hours Subtotal: | 27 |

Electives

Select six hours of FR electives 200 level and above 6

| | |
|------------------------|----|
| Credit Hours Subtotal: | 6 |
| Total Hours | 33 |

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 & FR 102 | Elementary French I and Elementary French II ³ | 8 |
|--------------------|--|---|

Footnotes

¹ 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.

² 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.

³ Or proficiency or placement.

German Track

| Code and Title | Hours | |
|------------------------------|---|---|
| Required Courses | | |
| Select one of the following: | 8 | |
| GN 101 & GN 102 | Elementary German I and Elementary German II | |
| GN 103 | Accelerated Elementary German ¹ | |
| GN 201 | Intermediate German I | 3 |
| GN 202 | Intermediate German II | 3 |
| GN 361 or GN 362 | Interm Convers Comp I Interm Convers Comp II | 3 |
| GN 371 | Gn Cult Civil Thru 1832 | 3 |
| GN 372 | Germn Cult Civ 1832-Present | 3 |
| GN 403 or GN 404 | Undergraduate Seminar Undergraduate Seminar | 3 |
| Credit Hours Subtotal: | 26 | |

Electives

Select three hours of GN electives ² 3

German Literature

| | |
|--|-------------------------------|
| 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 | |

Total Hours 32

Footnotes

¹ Students taking GN 103 Accelerated Elementary German are required to take additional GN coursework to satisfy the 32 hour requirement for the German major.

² 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 | |
|-------------------------|-----------------------|---|
| Required Courses | | |
| 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 CL 385 | Alexander the Great,Then & Now History Of Greece | 3 |
| 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

¹ 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 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**

¹ 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 |
|--------------------------------------|-------|
| Minor Courses | |
| 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 | |

Ancillary Courses

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 | |
| 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. 341) 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 |
|---|-----------|
| Minor Courses | |
| Select one of the following: | 8 |
| GN 101 Elementary German I & GN 102 and Elementary German II | |
| GN 103 Accelerated Elementary German ¹ | |
| GN 201 Intermediate German I | 3 |
| GN 202 Intermediate German II | 3 |
| Credit Hours Subtotal: | 14 |
| Electives | |
| Select six hours of GN electives 300 or 400 level | 6 |
| Select two hours of GN electives ² | 2 |
| Credit Hours Subtotal: | 8 |
| Total Hours | 22 |

Footnotes

¹ 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.

² 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. 341) 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 |
|------------------------------|-----------|
| Minor Courses | |
| 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 |
| 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. 341) 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 |
|-------------------------------|-------|
| Minor Courses | |
| 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 |

Electives

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 | |

Total Hours 20

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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 |
|------------------------------|--------------------------------|
| Minor Courses | |
| 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 |

Ancillary Courses

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 |

Total Hours 29

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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 | |
|---|--|----|
| Minor Courses | | |
| 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 |

Ancillary Courses

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 | |

Total Hours 24

Approved Electives

American Studies

| | | |
|---------|-------------------------|---|
| AMS 207 | Intro to Latinx Studies | 3 |
| AMS 310 | The Latinx Experience | 3 |
| AMS 430 | Special Topics | 3 |

Anthropology

| | | |
|---------|--------------------------------|---|
| ANT 319 | Ancient New World Civilization | 3 |
| ANT 409 | Ancient Maya Civilization | 3 |
| ANT 413 | Peoples of Latin Amer | 3 |

Geography

| | | |
|--------|----------------------------|---|
| GY 345 | Geography of Latin America | 3 |
| GY 450 | Field Studies in Belize | 6 |

History

| | | |
|--------|--------------------------------|---|
| 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 429 | Spanish Frontier in N. America | 3 |
| HY 473 | Indians, Nuns, & Rogues | 3 |
| HY 474 | Relation US Latin Amer | 3 |

Modern Languages & Classics

| | | |
|--------|---|---|
| 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 | Spanish-American Civ | 3 |
| SP 375 | Masterpc Sp-Amer Lit I | 3 |
| SP 376 | Masterpc Sp-Amer Lit II | 3 |
| SP 377 | US Latino Literature | 3 |
| SP 389 | Spanish Outreach | 3 |
| SP 483 | Intro to Spanish Linguistics | 3 |
| SP 484 | Phonetics And Pronunciation | 3 |
| SP 487 | Open Topics US Latino | 3 |
| SP 489 | Open Topics Sp-Amer Lit (Spanish-American Literature) | 3 |
| SP 492 | Spanish in the US | 3 |

Political Science

| | | |
|---------|---------------------------|---|
| 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. 341) 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 |
|--------------------------------|-------|
| Minor Courses | |
| 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 |

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. 341) 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 |
|--|-----------|
| Minor Courses | |
| 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 |
| Electives | |
| Select six hours of RUS electives 300 or 400 level | 6 |
| Credit Hours Subtotal: | 6 |
| Ancillary | |
| HY 361 or Russia to 1894 | 3 |
| HY 362 Russia-Soviet Union since 1894 | |
| Total Hours | 21 |

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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 |
|--|-----------|
| Major Courses | |
| Select one of the following | 3 |
| SP 353 Spanish Conversation ¹ | |
| 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 Spanish Civilization | 3 |
| SP 366 Spanish-American Civ | |
| Credit Hours Subtotal: | 6 |
| Select two of the following: | 6 |
| Credit Hours Subtotal: | 6 |
| SP 371 Survey Of Spanish Lit | |
| SP 372 Survey Of Spanish Lit | |
| SP 375 Masterpc Sp-Amer Lit I | |
| SP 376 Masterpc Sp-Amer Lit II | |
| SP 377 US Latino Literature | |
| Electives ² | |
| Select six hours of SP electives 300 or 400 level | 6 |
| Select three hours of SP elective 400 level | 3 |
| Credit Hours Subtotal: | 9 |
| Cervantes | |
| SP 491 Cervantes | 3 |
| Credit Hours Subtotal: | 3 |
| Ancillary Courses | |
| 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 |
| Total Hours | 41 |

Footnotes

- ¹ 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.
- ² 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. 341) 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 |
|--|-------|
| Minor Courses | |
| SP 353 Spanish Conversation | 3 |
| SP 356 Adv Grammar And Compos | 3 |
| SP 364 or SP 366 Spanish Civilization Spanish-American Civ | 3 |
| Credit Hours Subtotal: | |
| 9 | |
| Electives | |
| Select six hours of SP electives 300 or 400 level ¹ | 6 |
| Credit Hours Subtotal: | |
| 6 | |

Ancillary Courses

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 & SP 102 | Introductory Spanish I and Introductory Spanish II | |
| SP 201 | Intermediate Spanish ² | 3 |
| SP 202 | Intermediate Spanish | 3 |
| Credit Hours Subtotal: | | 10-14 |

Total Hours 25-29

Footnotes

¹ SP 361 Intro Romance Linguistic is taught in English and does not count toward the Spanish major or minor.

² 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. 341) 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/

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. 493)
 - Music Performance, BM (p. 482)
 - Music Composition, BM (p. 481)

- Music Theory, BM (p. 488)
- Music Therapy, BM (p. 490)
- Music with a concentration in Arts Administration, BA (p. 492)

- Minor
 - Music (p. 495)

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 |
|---|-------|
| Major Courses | |
| 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 18th-Century Counterpoint II | 3 |
| MUS 426 Analysis of 20th-Century Music | 3 |
| MUS 418 Schenkerian Analysis | 3 |
| MUS 419 Composition V | 3 |
| MUS 420 Composition VI | 3 |
| MUS 492 or Choral Conducting | 2 |
| MUS 494 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 299 Piano Proficiency | 1 |
| MUA 231 Piano (Secondary) | 1 |

| | |
|--------------------------------|-----------|
| MUA applied (four semesters) | 4 |
| MUA ensembles (four semesters) | 4 |
| Total Hours | 86 |

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. 341) 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 | 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 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) ¹ | 6 |
| MUA 271 Piano (two semesters) ¹ | 6 |
| MUA 199 Sophomore Qualifying | 0 |
| MUA 371 Piano (two semesters) ¹ | 5 |
| MUA 399 Junior Recital | 1 |
| MUA 471 Piano (two semesters) ¹ | 5 |
| MUA 499 Senior Recital | 1 |
| MUA 166 Piano Ensemble I (Two semesters) | 2 |
| MUA ensembles (eight semesters) | 8 |
| Total Hours | 85 |

Footnotes

¹ 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) ¹ | 5 |
| MUA 399 | Junior Recital | 1 |
| MUA 472 | Organ (Majors) (two semesters) ¹ | 5 |
| MUA 499 | Senior Recital | 1 |
| MUA ensembles (eight semesters) | | 8 |
| MUA 231 | Piano (Secondary) (four semesters) | 4 |
| Total Hours | | 81 |

Footnotes

¹ 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 | MUA 182 | Clarinet (Majors) | 3-16 |
| MUS 250 | Music In World Cultures | 3 | & MUA 282 | and Clarinet (Majors) | |
| MUS 251 | Music History I | 3 | & MUA 382 | and Clarinet (Majors) | |
| MUS 252 | Music History II | 3 | & MUA 482 | and Clarinet (Majors) | |
| MUS 323 | Music History III | 3 | MUA 183 | Saxophone (Majors) | 3-16 |
| MUS 303 or | 16th-Century Counterpoint | 3 | & MUA 283 | and Saxophone (Majors) | |
| MUS 304 | 18th-Century Counterpoint I | | & MUA 383 | and Saxophone (Majors) | |
| MUS 307 | Form And Analysis | 3 | & MUA 483 | and Saxophone (Majors) | |
| Select one of the following: | | 3 | MUA 184 | Trumpet (Majors) | 3-16 |
| MUS 303 | 16th-Century Counterpoint | | & MUA 284 | and Trumpet (Majors) | |
| MUS 304 | 18th-Century Counterpoint I | | & MUA 384 | and Trumpet (Majors) | |
| MUS 403 | 18th-Century Counterpoint II | | & MUA 484 | and Trumpet (Majors) | |
| MUS 418 | Schenkerian Analysis | | MUA 185 | French Horn (Majors) | 3-16 |
| MUS 426 | Analysis of 20th-Century Music | | & MUA 285 | and French Horn (Majors) | |
| MUS 351 | Fund Of Conducting | 2 | & MUA 385 | and French Horn (Majors) | |
| Upper division MUS electives (300 or 400 level) | | 4 | & MUA 485 | and French Horn (Majors) | |
| MUA applied 100 level (two semesters) | | 6 | MUA 186 | Trombone (Majors) | 3-16 |
| MUA applied 200 level (two semesters) | | 6 | & MUA 286 | and Trombone (Majors) | |
| MUA 199 | Sophomore Qualifying | 0 | & MUA 386 | and Trombone (Majors) | |
| MUA applied 300 level (two semesters) | | 5 | & MUA 486 | and Trombone (Majors) | |
| MUA 399 | Junior Recital | 1 | MUA 187 | Euphonium (Majors) | 3-16 |
| MUA applied 400 level (two semesters) | | 5 | & MUA 287 | and Euphonium (Majors) | |
| MUA 499 | Senior Recital | 1 | & MUA 387 | and Euphonium (Majors) | |
| MUA large ensembles (eight semesters) | | 8 | & MUA 487 | and Euphonium (Majors) | |
| MUA 169 | Chamber Music | 4 | MUA 188 | Tuba (Majors) | 3-16 |
| & MUA 269 | and Chamber Music | | & MUA 288 | and Tuba (Majors) | |
| & MUA 369 | and Chamber Music | | & MUA 388 | and Tuba (Majors) | |
| & MUA 469 | and Chamber Music | | & MUA 488 | and Tuba (Majors) | |
| MUA 010 | Music Convocation (five semesters) | 0 | MUA 189 | Percussion (Majors) | 3-16 |
| MUA 121 | Class Piano I | 1 | & MUA 289 | and Percussion (Majors) | |
| & MUA 122 | and Class Piano II | | & MUA 389 | and Percussion (Majors) | |
| & MUA 123 | and Class Piano III | | & MUA 489 | and Percussion (Majors) | |
| & MUA 124 or | and Class Piano IV | | | | |
| MUA 299 | Piano Proficiency | | | | |
| Total Hours | | 80 | | | |

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 | 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 185 | French Horn (Majors) | 3-16 |
| & MUA 285 | and French Horn (Majors) | |
| & MUA 385 | and French Horn (Majors) | |
| & MUA 485 | and French Horn (Majors) | |
| MUA 186 | Trombone (Majors) | 3-16 |
| & MUA 286 | and Trombone (Majors) | |
| & MUA 386 | and Trombone (Majors) | |
| & MUA 486 | and Trombone (Majors) | |
| MUA 187 | Euphonium (Majors) | 3-16 |
| & MUA 287 | and Euphonium (Majors) | |
| & MUA 387 | and Euphonium (Majors) | |
| & MUA 487 | and Euphonium (Majors) | |
| MUA 188 | Tuba (Majors) | 3-16 |
| & MUA 288 | and Tuba (Majors) | |
| & MUA 388 | and Tuba (Majors) | |
| & MUA 488 | and Tuba (Majors) | |
| MUA 189 | Percussion (Majors) | 3-16 |
| & MUA 289 | and Percussion (Majors) | |
| & MUA 389 | and Percussion (Majors) | |
| & MUA 489 | and Percussion (Majors) | |

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 | 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 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 ¹ | 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

¹ 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 | Trombone (Majors) | 3-16 |
| & MUA 286 | and Trombone (Majors) | |
| & MUA 386 | and Trombone (Majors) | |
| & MUA 486 | and Trombone (Majors) | |
| MUA 189 | Percussion (Majors) | 3-16 |
| & MUA 289 | and Percussion (Majors) | |
| & MUA 389 | and Percussion (Majors) | |
| & MUA 489 | and Percussion (Majors) | |
| MUA 190 | Guitar (Majors) | 3.5-16 |
| & MUA 290 | and Guitar (Majors) | |
| & MUA 390 | and Guitar (Majors) | |
| & MUA 490 | and Guitar (Majors) | |

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 | |
|----------------|-------------------------------|---|
| 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 | Class Piano I & MUA 122 and Class Piano II & MUA 123 and Class Piano III & MUA 124 and Class Piano IV or MUA 299 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. 341) 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.

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 144 applicable semester hours.

| Code and Title | Hours | |
|----------------------|------------------------------------|---|
| Major Courses | | |
| 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 Secondary Applied (six semesters) | 6 | |
| MUA 220 | Beginning Class Guitar | 2 |

Ensemble Course Requirements

| | |
|-------------------------------|---|
| MUA ensembles (six semesters) | 6 |
|-------------------------------|---|

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 | Abnormal Psychology | 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. 341) 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 231 Piano (Secondary) | 0.5-1 |
| MUA 232 Organ (Secondary) | 0.5-1 |
| MUA 234 Voice (Secondary) | 0.5-1 |
| MUA 240 Oboe (Secondary) | 0.5-1 |
| MUA 241 Bassoon (Secondary) | 0.5-1 |
| MUA 242 Clarinet (Secondary) | 0.5-1 |
| MUA 243 Saxophone (Secondary) | 0.5-1 |
| MUA 244 Trumpet (Secondary) | 0.5-1 |
| MUA 245 French Horn (Secondary) | 0.5-1 |
| MUA 246 Trombone (Secondary) | 0.5-1 |
| MUA 247 Euphonium (Secondary) | 0.5-1 |
| MUA 248 Tuba (Secondary) | 0.5-1 |
| MUA 249 Percussion (Secondary) | 0.5-1 |
| MUA 235 Violin (Secondary) | 0.5-1 |
| MUA 236 Viola (Secondary) | 0.5-1 |
| MUA 237 Cello (Secondary) | 0.5-1 |
| MUA 238 Double Bass (Secondary) | 0.5 to 1 |
| MUA 239 Flute (Secondary) | 0.5-1 |

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 Class Piano I & MUA 122 and Class Piano II & MUA 123 and Class Piano III & MUA 124 or and Class Piano IV MUA 299 Piano Proficiency | 4 |
| MUA 271 Piano (Majors) | 1-4 |

Piano Principal

| Code and Title | Hours |
|---------------------------|-------|
| MUE 381 Vocal Methods Lab | 1 |

Other Instrument Principal

| Code and Title | Hours |
|---|-------|
| Select four semesters of the following: MUA 121 Class Piano I & MUA 122 and Class Piano II & MUA 123 and Class Piano III & MUA 124 or and Class Piano IV MUA 299 Piano Proficiency MUA 271 Piano (Majors) | 4 |

MUA 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 152 Wind Ensemble | 1 |
| MUA 252 Wind Ensemble | 1 |
| MUA 352 Wind Ensemble | 1 |
| MUA 153 Marching Band | 1 |
| MUA 253 Marching Band | 1 |
| MUA 353 Marching Band | 1 |
| MUA 154 Symphonic Band | 1 |
| MUA 254 Symphonic Band | 1 |
| MUA 354 Symphonic Band | 1 |
| MUA 156 Percussion Ensemble | 1 |
| MUA 256 Percussion Ensemble | 1 |
| MUA 356 Percussion Ensemble | 1 |
| MUA 158 Contemporary Ensemble | 1 |
| MUA 258 Contemporary Ensemble | 1 |
| MUA 358 Contemporary Ensemble | 1 |
| MUA 159 Jazz Ensembles | 1 |
| MUA 259 Jazz Ensemble | 1 |
| MUA 359 Jazz Ensembles | 1 |
| MUA 160 Opera Workshop | 1 |
| MUA 260 Opera Workshop | 1 |
| MUA 360 Opera Workshop | 1 |
| MUA 161 Opera Production | 1 |
| MUA 261 Opera Production | 1 |
| MUA 361 Opera Production | 1 |
| MUA 162 University Chorus | 1 |
| MUA 262 University Chorus | 1 |
| MUA 362 University Chorus | 1 |
| MUA 163 University Singers | 1 |
| MUA 263 University Singers | 1 |
| MUA 363 University Singers | 1 |
| MUA 167 Jazz Combo | 1 |
| MUA 267 Jazz Combo | 1 |
| MUA 367 Jazz Combo | 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. 558). 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 |
|---|-------|
| Major Courses | |
| 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 ¹ | 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

¹ 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. 341) 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 Saxophone (Majors) & MUA 283 and Saxophone (Majors) | 1-4 |
| MUA 184 Trumpet (Majors) & MUA 284 and Trumpet (Majors) | 1-4 |
| MUA 185 French Horn (Majors) & MUA 285 and French Horn (Majors) | 1-4 |
| MUA 186 Trombone (Majors) & MUA 286 and Trombone (Majors) | 1-4 |
| MUA 187 Euphonium (Majors) & MUA 287 and Euphonium (Majors) | 1-4 |
| MUA 188 Tuba (Majors) & MUA 288 and Tuba (Majors) | 1-4 |
| MUA 189 Percussion (Majors) & MUA 289 and Percussion (Majors) | 1-4 |
| MUA 190 Guitar (Majors) & MUA 290 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 |
|--|-----------|
| Major Courses | |
| 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 |
| Total Hours | 49 |

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. 341) 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.

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 |
|--|-----------|
| Minor Courses | |
| 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 |
| Electives | |
| Select four hours of MUA applied 100 level (four semesters) ¹ | 4 |
| Select four hours of MUA ensembles (four semesters) ² | 4 |
| Select six hours of upper division (300 or 400 level) MUS electives | 6 |
| Credit Hours Subtotal: | 14 |
| Total Hours | 25 |

Footnotes

¹ Students must earn a minimum of four hours and four semesters in a single instrument or voice.

² 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. 341) 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. 499)
 - Interdisciplinary Studies, BS (p. 500)
- Minors (On-campus Only)
 - Civic Engagement and Leadership (p. 497)
 - Natural Resources (p. 502)
 - Student Designed (p. 503)
 - Interdisciplinary Environmental Studies (p. 498)

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

[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.

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

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 |
|---|-----------|
| Minor Courses | |
| NEW 237 or Social Problems, Social Change | 4 |
| NEW 238 Honors: Coop. & Conflict | |
| PHL 292 or Introduction to Ethics | 3 |
| PHL 221 Honors Introduction to Ethics | |
| 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 | |
| Total Hours | 19 |

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) | 1-15 |
| 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 | Leadrsph & Communication | 3 |
| AFS 360 | Leadrsph & 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. 341) 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 | |
|------------------------------|-----------------------------|--|
| Minor Courses | | |
| Select one of the following: | 4 | |
| NEW 215 | Perspec. on Env. Literature | |
| NEW 230 | Environmental Studies | |
| NEW 243 | Interdisciplinary Sciences | |
| Electives | 13-14 | |
| Total Hours | 17-18 | |

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 Envirnm 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 | Soil Science | 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. 341) 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 |
| Total Hours | 51-67 |

Footnotes

¹ 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 ¹ | 12 |
| Math ¹ | 3 |
| Natural Sciences ¹ | 8 |
| Social Sciences ¹ | 12 |
| Senior Project | 6 |
| Depth Study | 30 |
| Electives | 1-34 |
| Total Hours | 87-120 |

Footnotes

¹ 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

¹ 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 ¹ | 12 |
| Math ¹ | 3 |
| Natural Sciences ¹ | 8 |
| Social Sciences ¹ | 12 |
| Senior Project | 6 |
| Depth Study | 30 |
| Electives | 1-34 |
| Total Hours | 87-120 |

Footnotes

¹ 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 |
|--|-------|
| Required Foundational Course | |
| BSC 340 Principles of Nat. Res. Cons. | 3 |
| Specialty Courses | |
| 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 Soil Science | |
| 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 | |
| Policy, Planning, and Economics | |
| 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 | |
| Practicum Courses | | |
| Select one of the following: | | 3 |
| BSC 398 | Undergraduate Research | |
| GY 483 | Environment Science Internship | |
| GY 494 | Forest Measurement & Methods | |
| NEW 310 | Independent Study | |
| Total Hours | | 18 |

Non-Biology Majors

The Natural Resources Minor for Non-Biology Majors requires successful completion of the following 19 semester hours:

| NRS for Non-Biology Majors | Hours | |
|--|-------|-----------|
| Required Foundational Courses | | |
| BSC 114 Principles Of Biology I | 3 | |
| BSC 115 Laboratory Biology I | 1 | |
| BSC 116 Principles Biology II | 3 | |
| BSC 117 Biology II Laboratory | 1 | |
| BSC 340 or GY 339 Principles of Nat. Res. Cons. Natural Resource Envirnmn Plang | 3 | |
| Specialty Courses | | |
| Select one of the following: | 3 | |
| BSC 303 Field Zoology | | |
| BSC 314 Dendrology | | |
| GY 472 Soil Science | | |
| 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 | | |
| Policy, Planning, and Economics | | |
| 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 | | |
| Practicum Courses | | |
| 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) | | |
| Total Hours | | 19 |

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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 ¹ | 9 |
| Electives 300 or 400 level ¹ | 12 |
| Total Hours | 21 |

Footnotes

¹ 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. 341) 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. 504)
- Minor
 - Philosophy (p. 506)

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

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 |
|--|---------------------------|
| Major Courses | |
| PHL 195 or Intro Deductive Logic | 3 |
| PHL 106 Honors Deductive Logic | |
| PHL 211 Ancient Philosophy | 3 |
| PHL 212 Early Modern Philosophy | 3 |
| | Credit Hours Subtotal: 9 |
| Electives | |
| Select 12 hours of PHL electives 300 or 400 level ¹ | 12 |
| Select nine hours of PHL electives ¹ | 9 |
| | Credit Hours Subtotal: 21 |
| Total Hours | 30 |

Footnotes

¹ 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. 341) 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 | |
|-------------------------|------------------------|---|
| Required Courses | | |
| PHL 195 or | Intro Deductive Logic | 3 |
| PHL 106 | Honors Deductive Logic | |

| | | | |
|---------|-------------------------|-------------------------------|-----------|
| PHL 211 | Ancient Philosophy | 3 | |
| PHL 212 | Early Modern Philosophy | 3 | |
| PHL 260 | Mind and Nature | 3 | |
| | | Credit Hours Subtotal: | 12 |

Electives

| | | |
|---|-------------------------------|----|
| 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 462 | Neural Basis of Consciousness | |
| Select any additional six hours of PHL courses that include at least one Value course | | 6 |

Total Hours **30**

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 | |
|--|-------------------------------|-----------|
| Required Courses | | |
| PHL 195 or | Intro Deductive Logic | 3 |
| PHL 106 | Honors Deductive Logic | |
| PHL 211 | Ancient Philosophy | 3 |
| PHL 212 | Early Modern Philosophy | 3 |
| Select one of the following: | | 3 |
| PHL 292 or | Introduction to Ethics | |
| PHL 221 | 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 |
| Total Hours | | 30 |

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 |
|--|-------|
| Required Courses | |
| PHL 195 or Intro Deductive Logic | 3 |
| PHL 106 Honors Deductive Logic | |
| PHL 211 Ancient Philosophy | 3 |
| PHL 212 Early Modern Philosophy | 3 |
| PHL 423 Seminar in Medical Ethics | 3 |
| PHL 489 Philosophy of Medicine | 3 |
| Electives | |
| PHL 386 or Philosophy of Science | 3 |
| PHL 488 Philosophy of Mental Health | |
| 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 |
|--|-----------|
| Electives | |
| Select six hours of PHL electives 300 or 400 level | 6 |
| Select 12 hours of PHL electives | 12 |
| 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. 341) 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. 508)
- Minors
 - Physics (p. 511)
 - Astronomy (p. 507)

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
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

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 |
|--|---|-----------|
| Minor Courses | | |
| AY 203 | Observational Astronomy | 2 |
| AY 204 | Solar System Astronomy | 3 |
| AY 206 | Astron Beyond Solar Syst | 3 |
| Credit Hours Subtotal: | | 8 |
| Electives | | |
| 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 |
| Ancillary Courses | | |
| 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 ¹ | |
| PH 125 | Honors Gen Ph W/Calculus | |
| PH 101 | General Physics I ¹ | |
| Select one of the following: | | 4 |
| PH 106 | General Physics W/Calc II ¹ | |
| PH 126 | Honors Gen Ph W/Calculus II | |
| PH 102 | General Physics II ¹ | |
| PH 253 & PH 255 | Intro Modern Physics and Modern Physics Lab | 4 |
| Credit Hours Subtotal: | | 12 |
| Total Hours | | 26 |

Footnotes

¹ 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. 341) 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. 341) 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 ¹ | |
| 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 ¹ | |
| 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 General Chemistry | 4 |
| CH 117 Honors General Chemistry | |
| 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 |

Total Hours **59**

Footnotes

¹ 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 ¹ | |
| 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 ¹ | |
| 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 |
| 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 General Chemistry | 4 |
| CH 117 Honors General Chemistry | |
| 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 |

Total Hours 64

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. 596).

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 ¹ | |
| 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 ¹ | |
| PH 253 Intro Modern Physics & PH 255 and Modern Physics Lab | 4 |
| PH 301 or Mechanics I | 3 |
| PH 302 Intermediate Mechanics | |
| 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 General Chemistry | 4 |
| CH 117 Honors General Chemistry | |
| 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 |

Total Hours 56

Footnotes

¹ 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 ¹ | |
| Select one of the following: | 4 |
| PH 106 General Physics W/Calc II ¹ | |
| PH 126 Honors Gen Ph W/Calculus II | |
| PH 102 General Physics II ¹ | |
| PH 253 Intro Modern Physics & PH 255 and Modern Physics Lab | 4 |
| PH 301 or Mechanics I | 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 Biology II Laboratory | |
| 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 & CH 237 and Elem Organic Chem Lab | 5 |
| 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 |
| Total Hours | 72 |

Footnotes

¹ 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 |
|--|--------------------------|
| Minor Courses | |
| 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 |
| Electives | |
| Select six hours of PH electives 300 and 400 level | 6 |

| | |
|-----------------------------------|---------------------------|
| Select four hours of PH electives | 4 |
| | Credit Hours Subtotal: 10 |
| 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. 341) 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. 517)
 - International Studies, BA (p. 512)
- Minors
 - Political Science (p. 519)
 - International Studies (p. 516)
 - Public Policy (p. 520)

Chair

- Smith, Joseph L.

Professors

- Borrelli, Stephen A.
- DeRouen, Karl, Jr.
- Fording, Richard C.
- Hazbun, Waleed
- McKnight, Utz Lars

Associate Professors

- Albrecht, Holger
- Caillier, James
- Hawley, George
- Levine, Daniel
- Miller, Ted H.
- Patton, Dana J.
- Royed, Terry J.
- Smith, Joseph L.

Assistant Professors

- Edgell, Amanda
- Davis, Nicholas
- Hale, Christopher W.
- Ji, Hyunjung
- Kalaycioglu, Elif
- Linken, Allen
- Park, Seungbin
- Park, Sungho
- Wagner, Regina

Professors Emeriti

- Cassel, Carol A.
- Alsikafi, Majeed
- Baldwin, J. Norman
- 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

Borrelli, Stephen A.

DeRouen, Karl, Jr.

Fording, Richard C.

Hazbun, Waleed

McKnight, Utz Lars

Associate Professors

Albrecht, Holger

Caillier, James

Hawley, George

Levine, Daniel

Miller, Ted H.

Patton, Dana J.

Royed, Terry J.

Smith, Joseph L.

Assistant Professors

Edgell, Amanda

Davis, Nicholas

Hale, Christopher W.

Ji, Hyunjung

Kalaycioglu, Elif

Linken, Allen

Park, Seungbin

Park, Sungho

Wagner, Regina

Professors Emeriti

Cassel, Carol A.

Alsikafi, Majeed

Baldwin, J. Norman

Chotiner, Barbara A.

Cotter, Patrick R.

Kline, Harvey F.

Oneal, John R.

Snow, Donald M.

Staub, Stephen A.

Stewart, William H.

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. If a required course is applying to another major or minor, it must have an appropriate substitution approved by the program director.

| Code and Title | Hours |
|---|-----------|
| Major Courses | |
| ANT 102 Intro to Cultural Anthropology | 3 |
| EC 111 or Principles of Macroeconomics | 3 |
| EC 113 Honors Prin of Macroeconomics | |
| GY 105 World Regional Geography | 3 |
| HY 102 or Western Civ Since 1648 | 3 |
| HY 106 Honors West Civ Sc 1648 | |
| PSC 204 International Relations | 3 |
| Credit Hours Subtotal: | 15 |
| Field Requirement | |
| Select six hours among the fields at 300 or 400 level | 6 |
| Select six hours among the fields | 6 |
| Credit Hours Subtotal: | 12 |
| Focused Areas of Study | |
| Select three hours at the 300 or 400 level | 3 |
| Select six hours among the concentration areas | 6 |
| Credit Hours Subtotal: | 9 |
| Total Hours | 36 |

Fields

Students must earn a minimum of 12 hours chosen from one of the following fields. A maximum of 6 hours can be applied from a single department. A minimum of 6 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 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 would not be appropriate substitutions. Consult the program director before registering regarding substitutions.

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 War & Society since 1898 | 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 426 Hist of Strategic Intelligence | 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 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 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 | War & Society since 1898 | 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 426 | Hist of Strategic Intelligence | 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 414 | Foreign Policy Decisionmaking | 3 |
| PSC 435 | War And Peace | 3 |
| PSC 441 | Terrorism and Political Islam | 3 |
| PSC 442 | Internatl Conflict | 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 (or methods area of study for students selecting the Peace and Conflict Studies Field). 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 area) must be earned in residence. (Note: 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 would not be appropriate substitutions. Consult the program director before registering regarding substitutions.

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 | Peoples 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: French or student-designed minor in Arabic language and culture (*Note - check to see if the Arabic Minor is available)

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 |
| HY 430 | UG Research Seminar 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. 341) 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 |
|---|-----------|
| Minor Courses | |
| Select two of the following: | 6 |
| ANT 102 Intro to Cultural Anthropology | |
| GY 105 World Regional Geography (or) | |
| 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 | |
| Field requirement | |
| Select 12 hours, 6 hours must be at the 300 or 400 level. | 12 |
| Total Hours | 18 |

Fields

Students must earn a minimum of 12 hours from one of the following Fields. **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). 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. 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.

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 300 | Special Studies in History (The Crusades) | 3 |
| HY 317 | America at War 1916-2016 | 3 |
| HY 325 | Us-World Power to 1898 | 3 |
| HY 328 | War & Society since 1898 | 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 426 | Hist of Strategic Intelligence | 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 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 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 | War & Society since 1898 | 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 426 | Hist of Strategic Intelligence | 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 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 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. 341) 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 | |
|------------------------------|---------------------------|---|
| Major Courses | | |
| 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 |
| Field Requirement | | |
| Select a minimum of three hours in three of the fields | | 9 |
| | Credit Hours Subtotal: | 9 |
| Electives | | |
| Select 12 hours of PSC electives, 300-499 (excluding PSC 399) | | 12 |
| | Credit Hours Subtotal: | 12 |
| 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 Constttn Law Limits Gov Power | 3 |
| PSC 319 Con Law Civ Rts and Libs | 3 |
| PSC 364 African Amer & Polit Sys | 3 |
| PSC 322 Topics in American Politics | 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 416 Migration and American Politics | 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. 341) 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 399 Internship In PSC, PSC 421 Seminar in Political Science W 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 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 |
|-----------------------------------|-------|
| Minor Courses | |
| 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 |
| Field Requirement | |
| Select a minimum of three hours in two of the fields | 6 |
| Credit Hours Subtotal: | 6 |
| Electives | |
| Select six hours of PSC electives, 300-499 | 6 |
| Credit Hours Subtotal: | 6 |
| Total Hours | 18 |

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 Consttn 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 416 Migration and American Politics | 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. 341) 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 W, 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 |
|---|-------|
| Minor Courses | |
| PSC 103 or Intro Public Policy | |
| PSC 370 American Public Policy | |
| Political Context of Public Policy | |
| 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 | |
| Economic Analysis | |
| Select one of the following: | 3 |
| EC 110 Principles of Microeconomics | |
| EC 308 Intermediate Microeconomics | |
| Research Methods or Data Analysis | |
| Select one of the following: | 3 |
| BER 345 Educational Statistics | |
| CHS 425 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 | |
| Public Policy | |
| Select two or three of the following: | 6-9 |
| Economic Policy: | |
| 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 | |
| Environmental Policy: | |
| 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 |

Foreign Policy:

| | |
|---------|---|
| HY 474 | Relation US Latin Amer |
| PSC 321 | Special Topics In PSC (Transnational Politics or International Institutions) ¹ |
| PSC 413 | Amer Foreign Policy |
| PSC 434 | Internatl Polit Econom |
| PSC 422 | Seminar Political Science |

Health Care Policy:

| | |
|---------|-------------------------------|
| ANT 311 | Pop., Health & Human Origins |
| ANT 402 | Health Inequities |
| ANT 411 | Culture, Health, and Healing |
| CHS 400 | Rural Envir/Occup Health |
| CHS 420 | Basic Epidemiology |
| CHS 427 | Health Policy & Planning |
| FI 444 | Life & Health Insurance |
| PSC 464 | The Politics of Health Policy |

National Security Policy:

| | |
|---------|-------------------------------|
| 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 |

Social Welfare Policy and Services:

| | |
|--------|-------------------------------|
| 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 |

Trade Policy:

| | |
|--------|--------------------------|
| EC 416 | Monetary Theory & Policy |
| FI 416 | Monetary Theory & Policy |

Urban Policy:

| | |
|--------|-------------------------------|
| GY 365 | Industrial Develop & Location |
| GY 440 | Commun Facil Planning |
| GY 441 | Land Use Regulations |
| GY 458 | Urban Planning And Analysis |
| GY 466 | Transport Geography |

Independent Study (Optional)

| | |
|--|-----|
| 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. 341) 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. 523)
 - Psychology, BS (p. 524)
- Minors
 - Psychology (p. 526)
 - Neuroscience (p. 522)

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 | |
|--|----------------------------------|----|
| Major Courses | | |
| 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 |
| Credit Hours Subtotal: | | 15 |
| Electives | | |
| Select three hours of PY elective 300 or 400 level | | 3 |
| Credit Hours Subtotal: | | 3 |
| Seminar | | |
| Select one seminar sequence: ¹ | | 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 & 491 | Senior Seminar In Psychology and Senior Seminar In Psychology | | |
| | Credit Hours Subtotal: | 6 | |
| Area Requirements | | | |
| | 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 & BSC 115 | Principles Of Biology I and Laboratory Biology I | | |
| BSC 116 & BSC 117 | Principles Biology II and Biology II Laboratory | | |
| 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

¹ 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 Abnormal Psychology | 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. 341) 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 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.

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 |
|---|-------|
| Major Courses | |
| 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: ¹ | 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 |
| Electives | |

| | |
|--|---|
| Select three hours of PY elective 300 or 400 level | 3 |
| Credit Hours Subtotal: | 3 |

| Area Requirement | |
|---|---|
| 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 Biology II Laboratory | |
| 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 |

Total Hours 45

Footnotes

¹ 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. 341) 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 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.

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 Abnormal Psychology | 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 |
|--|-------|
| Minor Courses | |
| PY 101 Intro To Psychology | 3 |
| Credit Hours Subtotal: | |
| 3 | |
| Electives | |
| Select six hours of PY elective 300 or 400 level | 6 |
| Select nine hours of PY electives | 9 |
| Credit Hours Subtotal: | |
| 15 | |
| 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. 341) 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. 529)
- Minors
 - Religious Studies (p. 530)
 - Asian Studies (p. 528)
 - Judaic Studies (p. 528)

Chair

- Russell T. McCutcheon

Undergraduate Director

- Michael J. Altman

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

Assistant Professor

- Richard Newton
- Edith Szanto
- Vaia Touna
- 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

Michael J. Altman

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

Assistant Professor

Richard Newton

Edith Szanto

Vaia Touna

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 |
|---|-----------|
| Minor Courses | |
| 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 |
| Electives | |
| Select six hours of Asian related electives | 6 |
| Select six hours of Asian related electives 300 and 400 level | 6 |
| Credit Hours Subtotal: | 12 |
| Total Hours | 18 |

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 353 | Conversation/Composition | 1-4 |
| 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. 341) 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 (JS) 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 JS minor. The Department of Religious Studies is the home of the JS minor.

Note: students can major in REL and also minor in JS 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 also conducts four ongoing lecture and discussion series, supports an active Religious Studies Student Association, and hosts the local chapter of Theta Alpha Kappa, the national honors society for the study of religion. 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 Religious Studies department hosts an annual undergraduate research symposium. Talk to an REL professor about getting involved.

| Code and Title | Hours |
|--|-----------|
| Minor Courses | |
| 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 |
| Electives | |
| 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 |
| 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. 341) 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
religioustudies@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 also conducts four ongoing lecture and discussion series, supports an active Religious Studies Student Association, and hosts the local chapter of Theta Alpha Kappa, the national honors society for the study of religion. 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 Religious Studies department 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 |
|--|-----------|
| Required Courses | |
| REL 100 or Intro To Religious Studies | 3 |
| REL 105 Honors Intro Relig Styd | |
| REL 102 Religions of World | 3 |
| REL 490 Senior Capstone Seminar ¹ | 3 |
| Electives | |
| Select twenty-one hours of REL electives | 21 |
| Total Hours | 30 |

Footnotes

¹ 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. 341) 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. 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 advisors 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 21st 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 also conducts four ongoing lecture and discussion series, supports an active Religious Studies Student Association, and hosts the local chapter of Theta Alpha Kappa, the national honors society for the study of religion. 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 Religious Studies department hosts an annual undergraduate research symposium. Talk to an REL professor about getting involved.

| Code and Title | Hours |
|---------------------------------------|--------------------------|
| Minor Courses | |
| REL 100 or Intro To Religious Studies | 3 |
| REL 105 Honors Intro Relig Stdy | |
| REL 102 Religions of World | 3 |
| | Credit Hours Subtotal: 6 |
| Electives | |
| Select 15 hours of REL electives | 15 |
| Total Hours | 21 |

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. 341) 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. 526). 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 a Bachelor of Arts (BA) degree in theatre and in dance, as well as a minor in theatre.

- Majors
 - Theatre, BA (p. 535)
 - Dance, BA (p. 532)
 - Theatre with a Musical Theatre Concentration, BA (p. 533)
 - Theatre, BFA (p. 536)

- Minors
 - Theatre (p. 538)

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

- Harrison, Luvada
- Kennedy, Fenella
- Stratton, Matt
- Davis, Matthew
- McDonald, Lyndell T.

- Reed, Alvon
- Reynolds, Matthew

Instructors

- Nettles, Aidan
- Huebert, Cami
- Lewers, Henry
- Rivers, Jamorris
- Yeager, Tiffany

Staff

- Franks, Cindy
- Calvert, Nancy
- Gantt, William
- Lackey, Jeanette
- Roberts, Todd

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

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

Harrison, Luvada

Kennedy, Fenella

Stratton, Matt

Davis, Matthew

McDonald, Lyndell T.

Reed, Alvon

Reynolds, Matthew

Instructors

Nettles, Aidan

Huebert, Cami

Lewers, Henry

Rivers, Jamorris

Yeager, Tiffany

Staff

Franks, Cindy

Calvert, Nancy

Gantt, William

Lackey, Jeanette

Roberts, Todd

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 |
|----------------------|--|-------|
| Major Courses | | |
| DN 105 | Freshman Seminar for DN Majors | 1 |
| DN 211 or DN 212 | Modern Dance II-A Modern Dance II-B | 3 |
| DN 251 or DN 252 | Jazz Technique II-A Jazz Technique II-B | 3 |

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 ¹ | 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

¹ 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. 341) 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 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 are 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.

Our BA in Theatre with a Musical Theatre concentration, now in its 15th year, is a more flexible degree program 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, you 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/>

Note: There is overlap between the material covered by both the BA and BFA, but as a whole they have distinct differences, which means what's right for one prospective student isn't always right for another. No matter what degree one decides to pursue, our mission is to develop the knowledge, skills, and concepts essential to the life of a musical theatre professional.

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 |
|------------------------------|--|-------|
| MUSICAL THEATRE REQUIREMENTS | | |
| TH 114 | Intro To The Theatre | 3 |
| TH 141 | Acting I | 3 |
| TH 191 | Introduction to Practicum | 1 |
| TH 291 | Practicum I | 1 |
| TH 391 | Practicum II | 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 |

THEATRE PERFORMANCE COURSES

| | | | |
|--|----------------------------------|------------------------|---|
| 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 4: Comedy and Film | | |
| TH 445 | Acting 5: Shakespeare | | |
| TH 447 | Stage Dialects | | |
| TH 467 | Musical Theatre Repertoire Coac | | |
| THMT 474 | Senior MTVoice | | |
| | | Credit Hours Subtotal: | 9 |

DANCE TECHNIQUE COURSES 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 |

ELECTIVES

| | | |
|---|--|-----------|
| Select 3 hours from any TH or DN course | | 3 |
| Total Hours | | 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. 341) 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 |
|-----------------------------|-------|
| Major Courses | |
| TH 114 Intro To The Theatre | 3 |

| | | |
|---------------------|--|---|
| TH 141 | Acting I | 3 |
| TH 191 | Introduction to Practicum | 1 |
| TH 220 or TH 231 | Fundamentals of Stagecraft Beginning Costume Construction | 3 |
| TH 291 | Practicum I | 1 |
| TH 361 or TH 470 | Beginning Directing Theatre Management | 3 |
| TH 391 | Practicum II | 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 |

Total Hours 36

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. 341) 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. 533) section of this catalog).

Required Minor

The theatre major requires the completion of a minor (for exceptions, see Theatre Major: Musical Theatre Concentration (p. 533) 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.

| Theatre, B.F.A. | | Hours |
|--------------------------------------|--|--------------|
| B.F.A. Core Courses | | |
| 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 291 | Practicum I | 1 |
| TH 391 | Practicum II | 1 |
| TH 191 | Introduction to Practicum | 1 |
| TH 495 | Senior Project | 3 |
| Total Hours | | 24 |
| Acting Concentration | | |
| Hours | | |
| 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 4: Comedy and Film | 3 |
| TH 445 | Acting 5: 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 | 3 |
| Electives: | | 15 |
| Total Hours | | 56 |
| Musical Theatre Concentration | | |
| Hours | | |
| MUSICAL THEATRE REQUIREMENTS | | |
| 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 |
| DANCE TECHNIQUE COURSES One 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 | |
| DN 421 | Ballet Technique IV-A | |
| DN 422 | Ballet Technique IV-B | |
| Select an additional 6 hours from the following DN courses: | | 6 |
| 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 |
| THEATRE PERFORMANCE COURSES | | |
| Select 6 hours from the following TH or THMT courses: | | 6 |
| TH 240 | Beginning Movement | |
| TH 440 | Stage Movement III | |
| TH 441 | Acting III: Advanced Scene Study | |
| TH 444 | Acting 4: Comedy and Film | |
| TH 445 | Acting 5: Shakespeare | |
| TH 447 | Stage Dialects | |
| | | Credit Hours Subtotal: 6 |
| Total Hours | | 54.5-57 |
| Design/Technical Theatre Concentration | | |
| Hours | | |
| TH 120 | Principles Of Stage Design | 3 |
| TH 231 | Beginning Costume Construction | 3 |
| TH 233 | Beginning Costume Design | 3 |
| TH 322 | Fund Of Stage Lighting | 3 |
| TH 422 | Scene Design | 3 |
| TH 435 | Presentation for Designers | 3 |
| Electives: Selected dependent upon area of specialization | | 39 |
| Total Hours | | 57 |

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 |
|----------------------------------|-----------|
| Minor Courses | |
| TH 191 Introduction to Practicum | 1 |
| Electives | |
| TH electives 300 or 400 level | 6 |
| TH electives | 14 |
| Credit Hours Subtotal: | 21 |
| Total Hours | 21 |

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 341) 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 in Commerce and Business Administration (BSCBA). 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 2021. Students who have begun their careers prior to fall 2021 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. 543)

Department of Economics, Finance, and Legal Studies (p. 546)

Department of Information Systems, Statistics and Management Science (p. 552)

Department of Management (p. 555)

Department of Marketing (p. 560)

Department and Program Requirements

A total of 120 hours is required for the degree of Bachelor of Science in Commerce and Business Administration.

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 advisors 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.

| Lower Division Courses | | Hours |
|--|--|-----------|
| A minimum grade of C- is required in each course | | |
| 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 |
| 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 |
| MIS 200 | Fundamentals of Management Information Systems | 3 |
| Total Hours | | 28 |

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 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. 344) 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.

| Functional Field Courses | | Hours |
|---|--|-----------|
| A minimum grade of C- is required in each course. | | |
| MGT 300 | Organizational Theory & Behavior | 3 |
| MKT 300 | Marketing | 3 |
| GBA 300 | Business Communications (Writing Core Designation) | 3 |
| OM 300 | Intro Operations Management | 3 |
| FI 302 | Business Finance | 3 |
| Total Hours | | 15 |

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.

Additional Required Courses

Electives: Between 22-24 hours of electives are required for Culverhouse College of Business Students to reach the 120 hours required for graduation. GBA 146 Professional Development Series I: Exploring Your Path, GBA 246 Professional Development Series II: Choosing Your Path, and GBA 346 Professional Development Series III: Pursuing Your Path (1 hour each) are highly recommended electives for Culverhouse students. 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 highly encouraged to take the courses in the professional development sequence in the appropriate 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 |
|-------------------------|---|-----------|
| 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 Honors Principles of Microeconomics | 3 |
| EC 111 or EC 113 | Principles of Macroeconomics Honors Principles of Macroeconomics | 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 |
| MIS 200 | Fundamentals of Management Information Systems | 3 |
| Total Hours | | 28 |

- Except for the general business major, which requires a minimum GPA of 2.0, students admitted to the upper division of the College and approved to begin upper division coursework are required to have a GPA of at least 2.5 for all college level coursework attempted, and they must have a minimum GPA of 2.5 for all University of Alabama coursework attempted. A student whose GPA falls below these standards may petition the Associate Dean for 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) in each of the following: 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 21-22 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. Most departments offer one or more concentrations. 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, 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 required by the Culverhouse School of Accountancy must be completed in residence.
- GBA 300 Business Communications and GBA 490 Strategic Management must 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.

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. 346) 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 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 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 in Commerce and Business Administration degree. This includes all eight required lower-division courses, all five functional field courses, all required major program courses, 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 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.

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 wish to complete a second degree in business 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 an academic advisor in the Asa H. Bean Undergraduate Student Services Center in 10 Bidgood Hall.

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.

- 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 for the graduation application deadlines for each term.
- 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. 341) for The University of Alabama's policy regarding the option to take a course on a pass/fail basis.

Repeating Courses

Click here (p. 341) 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 Associate Dean for 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 Undergraduate Student Services

David Heggem Jr.

Associate Dean for Research

James Cochran

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. 545)
 - **Professional Accounting Concentration**
- Minor

- Accounting (p. 546)

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 Endowed Professor of Accounting

- Edward Schnee

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

CohnReznick Faculty Fellow in Accounting and Instructor

- Tom Fitzgibbon

Undergraduate Diversity Director and Instructor of Accounting

- Daphne Palmer

Associate professors

- Troy Pollard
- Shane Stinson

Assistant professors

- Marcus Doxey
- Jodi Henley
- Kris Hoang
- Chez Sealy

Instructors

- Sophia Kennedy
- Joshua Little
- 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

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 Endowed Professor of Accounting

Edward Schnee

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

CohnReznick Faculty Fellow in Accounting and Instructor

Tom Fitzgibbon

Undergraduate Diversity Director and Instructor of Accounting

Daphne Palmer

Associate professors

Troy Pollard

Shane Stinson

Assistant professors

Marcus Doxey

Jodi Henley

Kris Hoang

Chez Sealy

Instructors

Sophia Kennedy

Joshua Little

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 Associate Dean 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. 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 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 & Anyls of Bus Actv I be taken prior to enrolling in AC 361 Cost Analysis Planning/Control.

AC 351 Managerial Accntng Decisions and AC 352 Corporate Financial Reporting cannot be applied toward the Accounting major.

| Code and Title | | Hours |
|---------------------|--------------------------------|-----------|
| Requirements | | |
| AC 310 | Fin Rptg & Anyls of Bus Actv I | 3 |
| AC 311 | Fin Rptg & Anyls 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 |
| Total Hours | | 18 |

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 Accntng Decisions and AC 352 Corporate Financial Reporting is admission to the Culverhouse School of Accountancy or permission of the director.

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 341 | Fund. of Risk Mgt. & Ins. | |
| FI 410 | Intermediate Financial Mgt | |

| | | |
|--------------------|--------------------------------|----------|
| FI 414 | Investments | |
| IBA 350 | Introduction to World Business | |
| Total Hours | | 9 |

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 | |
| Total Hours | | 16 |

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. 548)
 - **Econometrics & Quantitative Economics Concentration**
 - **Economics Policy Concentration**
 - Finance, BS (p. 549)
 - **Banking and Financial Services Concentration**
 - **Financial Engineering Concentration**
 - **Value Investing Concentration**
- Minors
 - Actuarial Science (p. 548)
 - Economics (p. 549)
 - Finance (p. 551)
 - Personal Wealth Management (p. 551)
 - Real Estate (p. 551)
 - Risk Management, Insurance, and Financial Services (p. 551)
 -
 -

Chair and Professor

- Laura Razzolini

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
- Sherwood Clements III
- 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

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

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

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

Sherwood Clements III

Ruth Ann Hall

John Heins

Victoria Javine

Will Walsh

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.

| Actuarial Science minor | | Hours |
|---|------------------------------|--------------|
| Required: | | |
| FI 341 | 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.

| Code and Title | Hours |
|--|--------------|
| Major Courses | |
| 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 ¹ | 9 |
| Credit Hours Subtotal: | |
| | 18 |
| Concentration | |
| Concentration, Second Major or Approved Minor | 9-18 |
| Total Hours | 27-36 |

Footnotes

¹ EC 400 Analysis Econ Cond Micro/Macro and EC 492 Internship cannot be counted toward the major; EC 470 Intro Mathematical Economics is strongly recommended for those considering graduate work in 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 analyse 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.

Econometrics and Quantitative Economics Concentration Hours

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.

Economic Policy Concentration Hours

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. 550) 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.

Economics minor Hours

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 |
|---|--------------|
| Major Courses | |
| 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 | |
| Concentration, Second Major or Approved Minor | 9-18 |
| Total Hours | 27-36 |

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 341 Fund. of Risk Mgt. & Ins. | 3 |
| FI 421 Bank Administration | 3 |
| Total Hours | 9 |

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 Mathematical Statistics I | |
| ST 455 Mathematical Statistics II | |
| Total Hours | 16 |

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 |
| 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.

| 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 |
| Total Hours | 36 |

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.

| Finance minor | | Hours |
|--|------------------------------|-----------|
| 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 | |
| Total Hours | | 15 |

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.

| Personal Wealth Management minor | | Hours |
|----------------------------------|-----------------------------|-----------|
| Required: | | |
| AC 371 | Introduction To Taxation | 3 |
| FI 341 | 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 |
| Total Hours | | 18 |

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.

| Real Estate minor | | Hours |
|---|--------------------------------|-----------|
| 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 | | |
| Total Hours | | 15 |

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 341 | 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. | | |
| Total Hours | | 15 |

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. 553)
 - Operations Management, BS (p. 554)
- Minor

- Statistics (p. 555)
- Supply Chain Management (p. 555)

Chair and Professor

- John Mittenthal

Professors

- Douglas Bish
- Ebru Bish
- Subha Chakraborti
- James Cochran
- Jose Dula
- David Hale
- Joanne Hale
- Burcu Keskin
- Emmett Lodree
- Volodymyr Melnykov
- Sharif Melouk
- John Mittenthal
- Marcus Perry

Associate professors

- Bruce Barrett
- Nick Freeman
- Allen Johnston
- Qin Wang
- Mesut Yavuz

Assistant professors

- Gregory Bott
- Yuanyuan Chen
- Iman Dayarian
- Matthew Hudnall
- Youngsoo Kim
- Danhyang Lee
- Yana Melnykov
- Jason Parton
- Danish Saifee
- Irem Sengul Orgut
- Pratyush Sharma
- Gary Spurrier
- Annie Tian
- Xuwen Zhu

Instructors

- Brad Casselman
- Nathan Chilcutt
- Greg Cottrell
- Jeff Lucas
- Jennifer McMillan
- Jennifer Nunnelley

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.

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 Mittenenthal

Professors

Douglas Bish

Ebru Bish

Subha Chakraborti

James Cochran

Jose Dula

David Hale

Joanne Hale

Burcu Keskin

Emmett Lodree

Volodymyr Melnykov

Sharif Melouk

John Mittenenthal

Marcus Perry

Associate professors

Bruce Barrett

Nick Freeman

Allen Johnston

Qin Wang

Mesut Yavuz

Assistant professors

Gregory Bott

Yuanyuan Chen

Iman Dayarian

Matthew Hudnall

Youngsoo Kim

Danhyang Lee

Yana Melnykov

Jason Parton

Danish Saifee

Irem Sengul Orgut

Pratyush Sharma

Gary Spurrier

Annie Tian

Xuwen Zhu

Instructors

Brad Casselman

Nathan Chilcutt

Greg Cottrell

Jeff Lucas

Jennifer McMillan

Jennifer Nunnelley

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 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 |
|--|-----------|
| Major Program Requirements | |
| 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 |
| Total Hours | 18 |

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. 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 |
|---|--------------|
| Major Courses | |
| 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 |
| Required Second Major or Minor | |
| Second Major or Approved Minor | 15-18 |
| Total Hours | 33-36 |

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. 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.

| Statistics minor | | Hours |
|--|--------------------------------|--------------|
| Required: | | |
| ST 260 | Statistical Data Analysis | 3 |
| ST 452 | Applied Regression Analysis | 3 |
| ST 454 | Mathematical Statistics I | 3 |
| ST 455 | Mathematical Statistics 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 575 | Statistl Quality Control | |
| ST 597 | Advanced Statistical Learning | |
| Total Hours | | 15 |

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.

| Supply Chain Management minor | | Hours |
|--------------------------------------|--------------------------------|--------------|
| 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 |
| Total Hours | | 18 |

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. 557)
 - Management, BS (p. 558)
 - **Entrepreneurship Concentration**
 - **Health Care Analytics Concentration**
 - **Human Resources Management Concentration**
- Minors
 - Entrepreneurship (p. 557)
 - General Business (p. 558)
 - Human Resource Management (p. 558)
 - Management (p. 559)
 - Management Communication (p. 558)

Chair and Professor of Management

- Louis Marino

Professors

- Daniel Bachrach
- Ronald Dulek
- William Jackson, III
- Russell Matthews
- A.J. Strickland, III
- Theresa Welbourne
- Marilyn Whitman
- Eric Williams

Associate professors

- Craig Armstrong
- Paul Drnevich
- Thomas English
- Michael Ford
- Vishal Gupta
- Peter Harms
- Jeffrey Martin
- Maura Mills
- Jeffrey Naidoo

Assistant professors

- Justin DeSimone
- Dwight Lewis
- Kimberly Stowers

Senior Instructors

- Larry Baldwin
- Chapman Greer
- Gorman Houston
- Joyce Meyer
- Rachel Smallwood

Instructors

- Jessica Crew
- Sarah Miesse
- Seth Miesse
- Heather Shipley
- Regina Simpson
- E. Barden Smedburg Jr.
- Kimberley Williams

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.

[View All Courses](#)

Faculty

Chair and Professor of Management

Louis Marino

Professors

Daniel Bachrach

Ronald Dulek
 William Jackson, III
 Russell Matthews
 A.J. Strickland, III
 Theresa Welbourne
 Marilyn Whitman
 Eric Williams

Associate professors

Craig Armstrong
 Paul Drnevich
 Thomas English
 Michael Ford
 Vishal Gupta
 Peter Harms
 Jeffrey Martin
 Maura Mills
 Jeffrey Naidoo

Assistant professors

Justin DeSimone
 Dwight Lewis
 Kimberly Stowers

Senior Instructors

Larry Baldwin
 Chapman Greer
 Gorman Houston
 Joyce Meyer
 Rachel Smallwood

Instructors

Jessica Crew
 Sarah Miesse
 Seth Miesse
 Heather Shipley
 Regina Simpson
 E. Barden Smedburg Jr.
 Kimberley Williams

Entrepreneurship, Minor

The mission of the Entrepreneurship minor is to equip students with the knowledge, skills, and abilities necessary to innovate in existing firms and to launch new ventures. Students will learn how to identify and evaluate opportunities, and how to capitalize on these opportunities. In doing so, they will work closely with faculty and experienced entrepreneurs to gain hands-on experience in key activities necessary to build sound business models and to acquire critical resources as they help established firms innovate and create profitable enterprises.

| Entrepreneurship minor | | Hours |
|--|--------------------------------|--------------|
| Required: | | |
| MGT 386 | Foundations of Entrepreneurshp | 3 |
| MGT 387 | Create & Pitch Opportunities | 3 |
| MGT 388 | Starting New Ventures | 3 |
| MGT 481 | New Venture Finance | 3 |
| Choose 1 course from the following list: | | 3 |
| MGT 406 | Family Business Management | |
| MGT 421 | Corp. Entrprnrshp & Innovation | |
| MGT 484 | Small Business Management | |
| An approved 300/400 level elective | | |
| Total Hours | | 15 |

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: | |
| AC 351 | Managerial Acctngng Decisions |
| AC 352 | Corporate Financial Reporting |
| AC 361 | Cost Analysis Planning/Control |
| Select one course from the following list: | |
| FI 301 | Intro Financial Inst. & Mkts |
| FI 400 | Fin Institutns, Mkts, Invstmnt |
| Select one course from the following list: | |
| 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: | |
| 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: | |
| IBA 350 or | Introduction to World Business |
| IBA 352 | Honors Intro to World Business |
| MKT 310 | Principles of Social Media |
| MKT 313 | Consumer Behavior |
| MKT 321 | Retail Management |
| MKT 337 | Personal Selling |

| | |
|---|-----------|
| Select one additional 300-400 level business elective | 3 |
| Total Hours | 18 |

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 Intro To Accounting | 4 |
| EC 110 Principles of Microeconomics | 3 |
| 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 Legal Environment of Business | |
| MGT 300 Org Theory & Behavior | |
| MIS 200 Fundamentals of MIS | |
| MKT 300 Marketing | |
| OM 300 Intro Operations Management | |
| Total Hours | 19 |

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.

| Human Resource Management minor | | Hours |
|---|--------------------------------|-----------|
| 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 | |
| Total Hours | | 15 |

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.

| Management Communication Minor | | Hours |
|--------------------------------|----------------------------|-----------|
| 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 Mgmt Communication | 3 |
| Total Hours | | 15 |

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.

| Code and Title | Hours |
|---|-------|
| Requirements | |
| MGT 320 Leadership and Ethics | 3 |
| Concentration | |
| Select one of the following concentrations: | 18 |
| Entrepreneurship | |

Health Care Analytics
Human Resource Management

Total Hours 21

Concentrations

The mission of the Entrepreneurship concentration is to equip students with the knowledge, skills, and abilities necessary to innovate in existing firms and to launch new ventures. Students will learn how to identify and evaluate opportunities, and how to capitalize on these opportunities. In doing so, they will work closely with faculty and experienced entrepreneurs to gain hands-on experience in key activities necessary to build sound business models and to acquire critical resources as they help established firms innovate and create profitable enterprises. Above all, this focus is for those special students who wish to be leaders and have a passion for starting something. The Entrepreneurship concentration is restricted to Management majors only.

| Entrepreneurship Concentration | | Hours |
|---|---------------------------------|-----------|
| Required: | | |
| MGT 386 | Foundations of Entrepreneurship | 3 |
| MGT 387 | Create & Pitch Opportunities | 3 |
| MGT 388 | Starting New Ventures | 3 |
| MGT 481 | New Venture Finance | 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 | |
| Total Hours | | 18 |

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.

| Health Care Analytics Concentration | | Hours |
|-------------------------------------|--------------------------------|-----------|
| 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 |
| Total Hours | | 18 |

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.

| Human Resource Management Concentration | | Hours |
|---|--------------------------------|-------|
| Required: | | |
| 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 |

Total Hours 18

The types of jobs available to our graduates include entry level positions, supervisory jobs, foremen, team leaders, and middle and upper management. Those with a master's degree may obtain careers in human resources or international management, or start their own business. Doctoral degrees usually take on academic positions such as assistant professor, associate professor, and professor.

Types of Jobs Accepted

management trainees, business owner, assistant administrator, assistant manager, customer service rep, patient flow specialist and recruiter

Jobs of Experienced Alumni

Experienced alums currently hold the following types of positions: chief executive officer, chief financial officer, owner of own business, vice president of people, director of human resource management, and health care administrator, to name a few. At the doctoral level, alumni obtain professorial positions.

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 Entrepreneurship | 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 | | |
| Total Hours | | 15 |

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. 561)
- Minors
 - International Business (p. 561)
 - Sales (p. 562)
 - Services Marketing (p. 562)

Chair and Professor of Marketing

- Kristy Reynolds

Professors

- Arthur Allaway
- Thomas Baker
- Alexander Ellinger
- Peter Magnusson
- Robert Morgan
- Clay Voorhees

Associate professors

- Adam Farmer
- Carol Jones
- Stacey Robinson
- Nancy Sirianni
- Stanford Westjohn

Assistant professors

- Carlos Bauer
- Abhi Bhattacharya
- Michelle Daniels
- Sebastian Forkmann
- Bryan Hochstein
- Christine Ringle

Instructors

- James Brown
- Joe Calamusa
- Susan Fant
- Diana Gomez
- Joel Strayer
- Harold Wright

Professors emeriti

- Sharon Beatty
- 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

MKT310 Principles of Social Media

Hours 3

A survey of interactive, electronic media and technology that enable organizations to 1) acquire products, services and materials from suppliers, 2) market goods and services to customers, 3) allow members of the organization to communicate with each other, and 4) monitor the external environment. Students develop e-commerce-related skills to design and execute a firm's marketing efforts, including Web project management, electronic market development and management, Web-enabled selling, and other emerging areas of marketing.

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

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

Alexander Ellinger

Peter Magnusson

Robert Morgan

Clay Voorhees

Associate professors

Adam Farmer

Carol Jones

Stacey Robinson

Nancy Sirianni

Stanford Westjohn

Assistant professors

Carlos Bauer

Abhi Bhattacharya

Michelle Daniels

Sebastian Forkmann

Bryan Hochstein

Christine Ringler

Instructors

James Brown

Joe Calamusa

Susan Fant

Diana Gomez

Joel Strayer

Harold Wright

Professors emeriti

Sharon Beatty

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.

| International Business minor | | Hours |
|---|--------------------------------|--------------|
| 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"> 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). | | |

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.

| Code and Title | Hours |
|--|---------------------------|
| Requirements | |
| A grade of C- or better is required for each course. | |
| MKT 313 | Consumer Behavior 3 |
| MKT 337 | Personal Selling 3 |
| MKT 410 | Managing Innovation 3 |
| MKT 411 | Supply Chain Management 3 |

| | | |
|--------------------|---------------------|-----------|
| MKT 473 | Marketing Research | 3 |
| MKT 487 | Strategic Marketing | 3 |
| Total Hours | | 18 |

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 |
| Total Hours | | 18 |

Services Marketing, Minor

Services are now a major driver of the U.S. and world economy. Therefore, service marketing and management in the areas of people, business process, and the design of physical space are of great importance. The ability to understand, map, design, and re-design business service processes, flow, and physical space across the value chain is critical as is the ability to manage service employees and teams.

Services Marketing is a minor designed for students interested in working in and managing teams of people to analyze, develop, and deliver world-class service, manage customer relationships, and work cross-functionally with other aspects of the organization such as sales, logistics, and operations.

| Services Marketing minor | | Hours |
|--------------------------|------------------------------|-----------|
| Required: | | |
| EC 110 | Principles of Microeconomics | 3 |
| MKT 300 | Marketing | 3 |
| MKT 376 | Services Marketing | 3 |
| MKT 476 | Services Management | 3 |
| MKT 477 | Advanced Services Marketing | 3 |
| Total Hours | | 15 |

College of Communication and Information Sciences

Department of Advertising and Public Relations (p. 566)

Department of Communication Studies (p. 573)

Department of Journalism Creative Media (p. 578)

School of Library and Information Studies (p. 584)

General Degree Requirements

Students should refer to the Admissions (p. 355) section of this catalog for information about advanced placement, CLEP credit, CLEP subject examinations, junior college credit and transfer credit (the College of Communication and 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 and 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 and 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 majoring in advertising, news media or public relations must successfully complete at least 72 hours outside the mass communication area (MC, APR and JCM courses).

Students should always check with their major department or Tisch Student Services 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 and 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 Corequisites

College of Communication and Information Sciences students must satisfy all course and grade prerequisites and all course corequisites, 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 corequisites 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 corequisites 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 and Information Sciences that may be counted toward the degree varies from department to department.

Minor Requirements

All students in the College of Communication and Information Sciences must complete a minor unless they are pursuing more than one major. Students cannot select a minor in the same department of their major. Additionally, students majoring in advertising, creative media, news media and public relations may only choose to minor in communication studies or leadership communication within the College or choose to select

any minor outside of the College. Students majoring in communication studies may only choose to minor in advertising, creative media, news media or public relations, sports media or any minor outside of the college.

In completing a minor, the student is 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 and Information Sciences can pursue more than one minor. However, they cannot select more than one minor in the College of Communication and Information Sciences.

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 must obtain 150 hours and meet the requirements of each degree, including the 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 and 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 and 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 and Information Sciences should meet the general admission requirements of the University. The College has final authority in decisions concerning the possible application of junior college 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 and 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 and 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 department in which the student plans to major.

A candidate for a major in the College of Communication and 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 and 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

C&IS freshmen and sophomores (60 hours and below) will have assigned academic advisors in Tisch Student Services. By the time C&IS students reach 61 hours of course credit and have decided on a specific major in the College, they will be assigned their own faculty advisor to assist them in planning their remaining courses in the major. 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; 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, which was created on July 1, 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 to become the Department of Journalism & Creative Media in 2016.

During its first year in 1973, the School of Communication created an additional department, the Department of Advertising & Public Relations, from course sequences that had been part of the Department of Journalism. University Radio Services (now Alabama Public Radio) was established in 1980, as was the Communication Research & Service Center (now the Institute for Communication Research). On May 16, 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 September 9, 1988, by action of the Board of Trustees of The University of Alabama in recognition of the school's expanded role and scope. On July 1, 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 and 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 requiring 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, preparing students to be effective communicators and 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 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 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 & Reguln

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 Communctn

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

Director, Strategic Initiatives

Jim Bailey

Director, Digital Media Center

Elizabeth Brock

Director, Financial Affairs

Melanie Danner

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.

- Majors
 - Advertising, BA (p. 568)
 - Public Relations, BA (p. 571)
- Minors
 - Advertising and Public Relations (p. 571)

Professors

- Gower, Karla K.
- Ki, Eyun-Jung
- Khang, Kyoungkoo
- Waymer, Damion

Associate Professors

- Brown, Kenon A.
- Hayes, Jameson
- Horsley, J. Suzanne
- Kinney, T. Lance

Assistant professors

- Barry, Mark
- Boman, Courtney
- Brinson, Nancy
- Britt, Brian Christopher
- Holiday, Steven
- Kim, Seoyeon
- Lemon, Laura
- Stokes, Ethan
- VanDyke, Matthew

Senior Instructors

- Daria, Susan E.
- Henley, Teresa K.
- Little, Michael T.
- Sims, Tracy

Instructors

- Kim, Jihoon
- George, Jared
- Huffaker, Randall
- Walker, Janet
- Waters, Gerald
- Wisla, Matt

Professors emeritae

- Cartee, Karen Johnson
- Elebash, Camille
- Lamme, Margaret O.
- Mancini, Marilyn

Professors emeriti

- Barban, Arnold M.
- Berger, Bruce K.
- Dennis, Alan
- Gonzenbach, William J.
- Pasadeos, Yorgo
- Roche, Bruce

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 Phase 2 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

Brown, Kenon A.

Hayes, Jameson

Horsley, J. Suzanne

Kinney, T. Lance

Assistant professors

Barry, Mark

Boman, Courtney

Brinson, Nancy

Britt, Brian Christopher

Holiday, Steven

Kim, Seoyeon

Lemon, Laura

Stokes, Ethan

VanDyke, Matthew

Senior Instructors

Daria, Susan E.

Henley, Teresa K.

Little, Michael T.

Sims, Tracy

Instructors

Kim, Jihoon

George, Jared

Huffaker, Randall

Walker, Janet

Waters, Gerald

Wisla, Matt

Professors emeritae

Cartee, Karen Johnson

Elebash, Camille

Lamme, Margaret O.

Mancini, Marilyn

Professors emeriti

Barban, Arnold M.

Berger, Bruce K.

Dennis, Alan

Gonzenbach, William J.

Pasadeos, Yorgo

Roche, Bruce

Advertising, BA

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.

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 seeking to major in advertising may pursue one of the following options:

- Advertising major (p. 569) (37 hours): prepares students for account management and media buying
- *Creative specialization*: prepares students for careers in art direction (p.) (40 hours) or copywriting (p. 570) (38 hours); students are competitively selected for this specialization based on an application process initiated after the first phase of coursework in the major
- *Consumer specialization* (32-35 hours): prepares students for careers in consumer research/insight development, brand value, etc.; students are competitively selected for this specialization based on an application process initiated after the first phase of coursework in the major

Core Curriculum and General Education Requirements for All Advertising Majors

| Code and Title | | Hours |
|--|---|--------------|
| Freshman Composition (FC) | | |
| EN 101 | English Composition | 3 |
| EN 102 | English Composition | 3 |
| Computer Science (C) or Foreign Language (FL) | | |
| CIS 250 | Intro to Design Software | 3 |
| CIS 260 | Intro to Media Resources | 3 |
| Humanities (HU) and Fine Arts (FA) | | |
| COM 123 | Public Speaking ⁴ | 3 |
| Select three hours in Fine Arts (FA) | | 3 |
| Select six hours in Literature (L) | | 6 |
| Natural Science (N) and Mathematics (MA) | | |
| Select eight hours in Natural Science (N) | | 8 |
| Select three to four hours in MATH 110 or higher | | 3-4 |
| History (HI) and Social/Behavioral Sciences (SB) | | |
| Select three hours in History (HI) | | 3 |
| EC 110 or | Principles of Microeconomics ³ | 3 |
| EC 112 | Honors Prin of Microeconomics | 3 |
| Select three hours in Social/Behavioral Sciences (SB) ¹ | | 3 |
| Select three hours in History (HI) or Social/Behavioral Sciences (SB) ⁵ | | 3 |
| Writing (W) | | |
| Select six hours of W-designated courses ² | | 6 |
| Total Hours | | 53-54 |

Footnotes

- ¹ Satisfied by MC 101 Intro To Mass Communic in the major; must earn at least a C-.
- ² APR 322 Copywriting Seminar (only for copywriting students in the creative specialization), APR 310 Concepting (only for art direction and copywriting students in the creative specialization), APR 423 A +PR Management and MC 400-level courses with the "W" designation may be used to satisfy the writing core. Other writing core courses outside the major, such as minor courses, will also satisfy this requirement; must earn at least a C-.
- ³ Must earn at least a C- in EC 110 Principles of Microeconomics.
- ⁴ Must earn at least a C- in COM 123 Public Speaking.
- ⁵ SB core satisfied by APR 221 Intro Advertising in the major; must earn at least a C-.

Advertising Major

All courses in the major require at least a C-. Be sure to check course prerequisites to ensure a timely progression through the advertising major coursework.

| Code and Title | Hours |
|--|-----------|
| Foundation Courses: | |
| 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 |
| Mid-Level Courses: | |
| 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 |
| Capstone Courses: | |
| One course chosen from MC 401, APR 451, APR 452 or APR 453 | 3 |
| APR 424 Advertising Campaigns ¹ | 3 |
| Total Hours | 37 |

Footnotes

¹ 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, which may not comprise any advertising and public relations (APR), journalism and creative media (JCM) or mass communication (MC) courses. 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. No more than 27 hours in the minor may be counted toward fulfillment of graduation requirements. At least six hours in the minor must be at or above the 300 level. Two minors or a second major may be pursued. 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. Freshman and sophomore 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 to request one. Juniors and seniors seeking to major in advertising or students pursuing an advertising minor should contact the A+PR office (412 Phifer; myrick@apr.ua.edu) for an adviser assignment.

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

Specializations

Application to the Creative and Consumer Specializations

Admission to these specializations will be selective, and based upon a faculty panel's evaluation of applications used to assess students' unique qualifications for entry. The applications require 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 our specializations will be required to produce work that meets creative/artistic standards (as evaluated by qualified faculty) in order to continue taking courses in the specialization, consistent with common practice in fine and performing arts programs.

The instructor in each specialization 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 a specialization and have the option to pursue the regular advertising major, provided that they qualify academically.

Creative Specialization

Once a student is accepted into the creative specialization, they may pursue one of the two focused areas of study in the specialization: art direction or copywriting. A total of at least 37 hours is required for art directors; a total of at least 35 hours is required for copywriters. APR 490 Special Topics (with [Portfolio III](#) as the special topic) is an optional course in the creative specialization for both art directors and copywriters. APR 325 Social and Digital Media is an optional course for copywriters.

*To see the **required order in which you take the courses in the creative specialization in the advertising major**, [click here](#). **All courses in the major require at least a C-**. Due to the prerequisite-based curriculum, it takes **at least five semesters** to complete the hours in the advertising major with the creative specialization.*

Required Courses for Art Directors (Focused Area of Study Within the Creative Specialization)

| | | |
|---------|----------------------------|---|
| MC 101 | Intro To Mass Communic | 3 |
| JCM 103 | Mechanics of Media Writing | 1 |
| APR 221 | Intro To Advertising | 3 |
| APR 260 | Software Applications I | 1 |

Must apply for and be accepted into the creative specialization before you may enroll in the following courses: ¹

| | | |
|---------|--|---|
| APR 270 | Strategic Thinking (AD) | 3 |
| APR 280 | Intro to Audience Analysis | 3 |
| APR 300 | Basic Principles of Design | 3 |
| APR 310 | Concepting | 4 |
| APR 410 | Portfolio I ² | 4 |
| APR 301 | Software Applications II ² | 1 |
| APR 323 | Art Direction Seminar ² | 3 |
| MC 401 | Mass Comm Law & Regultn | 3 |
| APR 401 | Software Applications III ³ | 1 |
| APR 411 | Portfolio II ³ | 4 |
| APR 424 | Advertising Campaigns ⁴ | 3 |

Total Hours **40**

Footnotes

- ¹ With the exception of MC 401 Mass Comm Law & Regultn, which requires MC 101 Intro To Mass Communic and 61 earned hours.
- ² APR 410 Portfolio I, APR 323 Art Direction Seminar and APR 301 Software Applications II are corequisites.
- ³ APR 401 Software Applications III and APR 411 Portfolio II are corequisites.
- ⁴ EC 110 Principles of Microeconomics is a prerequisite to APR 424 Advertising Campaigns.

Required Courses for Copywriters (Focused Area of Study Within the Creative Specialization)

| | | |
|---------|----------------------------|---|
| MC 101 | Intro To Mass Communic | 3 |
| JCM 103 | Mechanics of Media Writing | 1 |
| APR 221 | Intro To Advertising | 3 |
| APR 260 | Software Applications I | 1 |

Must apply for and be accepted into the creative specialization before you may enroll in the following courses: ¹

| | | |
|---------|----------------------------|---|
| APR 270 | Strategic Thinking (AD) | 3 |
| APR 280 | Intro to Audience Analysis | 3 |

| | | |
|---------|------------------------------------|---|
| APR 300 | Basic Principles of Design | 3 |
| APR 310 | Concepting | 4 |
| APR 410 | Portfolio I ² | 4 |
| APR 322 | Copywriting Seminar ² | 3 |
| MC 401 | Mass Comm Law & Regultn | 3 |
| APR 411 | Portfolio II | 4 |
| APR 424 | Advertising Campaigns ³ | 3 |

Total Hours **38**

Footnotes

- ¹ With the exception of MC 401 Mass Comm Law & Regultn, which requires MC 101 Intro To Mass Communic and 61 earned hours.
- ² APR 322 Copywriting Seminar and APR 410 Portfolio I are corequisites.
- ³ EC 110 Principles of Microeconomics is a prerequisite to APR 424 Advertising Campaigns.

Consumer Specialization

APR 300 Basic Principles of Design is an optional course in the consumer specialization.

*To see the **required order in which you take the courses in the consumer specialization in the advertising major**, [click here](#). **All courses in the major require at least a C-**.*

| Code and Title | Hours | |
|----------------|----------------------------|---|
| MC 101 | Intro To Mass Communic | 3 |
| JCM 103 | Mechanics of Media Writing | 1 |
| APR 221 | Intro To Advertising | 3 |
| APR 260 | Software Applications I | 1 |

Must apply for and be accepted into the consumer specialization before you may enroll in the following courses: ¹

| | | |
|-----------------------|---|---|
| APR 270 | Strategic Thinking (AD) | 3 |
| APR 280 | Intro to Audience Analysis | 3 |
| APR 320 or APR 325 | Creative Thinking Social and Digital Media | 3 |
| MC 401 | Mass Comm Law & Regultn | 3 |
| APR 421 | Account Planning | 3 |
| APR 422 | Channel Planning | 3 |
| APR 423 | A+PR Management | 3 |
| APR 424 | Advertising Campaigns ² | 3 |

Total Hours **32**

Footnotes

- ¹ With the exception of MC 401 Mass Comm Law & Regultn, which requires MC 101 Intro To Mass Communic and 61 earned hours.
- ² 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 executives, 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

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) 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.

| Advertising & Public Relations Minor Courses | | Hours |
|--|--|-----------|
| MC 101 | Intro To Mass Communic | 3 |
| JCM 103 | Mechanics of Media Writing | 1 |
| APR 241 or APR 221 or APR 231 | Intro to Ad and PR Intro To Advertising Intro Public Relations | 3 |
| APR 280 | Intro to Audience Analysis ¹ | 3 |
| APR 290 | Intro to Channels and Msg | 3 |
| Two APR 400-level or MC 400-level electives taken in residence | | 6 |
| Total Hours | | 19 |

Footnotes

¹ APR 280 Intro to Audience Analysis requires CIS 260 Intro to Media Sources 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 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 must meet with an adviser in the major department for academic planning each semester. Students are encouraged to get their advertising minor

advising from the Department of Advertising and Public Relations (205-348-7158; 412 Phifer).

Public Relations, BA

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

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.

Core Curriculum and General Education Requirements

| Code and Title | Hours |
|---|--------------|
| Freshman Composition (FC) | |
| EN 101 English Composition | 3 |
| EN 102 English Composition | 3 |
| Computer Science (C) or Foreign Language (FL) sequence | |
| CIS 250 Intro to Design Software | 3 |
| CIS 260 Intro to Media Resources | 3 |
| Humanities (HU) and Fine Arts (FA) | |
| COM 123 Public Speaking ³ | 3 |
| Select three hours in Fine Arts (FA) | 3 |
| Select six hours in Literature (L) | 6 |
| Natural Science (N) and Mathematics (MA) | |
| Select eight hours in Natural Science (N) | 8 |
| Select three to four hours in MATH 110 or higher | 3-4 |
| History (HI) and Social/Behavioral Sciences (SB) | |
| Select three hours in History (HI) | 3 |
| Select six hours in Social/Behavioral Sciences ¹ | 6 |
| Select three hours in History or Social/Behavioral Sciences | 3 |
| Writing (W) ² | 6 |
| Total Hours | 53-54 |

Footnotes

¹ These hours are satisfied by MC 101 Intro To Mass Communic and APR 231 Intro Public Relations in the major. Both courses require at least a C-.

² JCM 303 News Writing and Reporting and APR 332 Public Relations Writing in the major will satisfy the writing core. Both courses require at least a C-.

³ Must earn at least a C- in COM 123 Public Speaking.

Public Relations Major

Students seeking to major in public relations may pursue one of the following options:

Public relations major (37 hours): prepares students for a wide variety of public relations careers

Technological and digital communication management specialization (38 hours): prepares students for public relations careers in the tech/digital communications industry.

All courses in the major require at least a C-. Be sure to check course prerequisites to ensure timely progress through the public relations major coursework.

| Code and Title | Hours |
|--|-----------|
| Foundation Courses: | |
| 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 |
| Mid-Level Courses: | |
| JCM 303 News Writing and Reporting | 3 |
| APR 332 Public Relations Writing | 3 |
| Two APR 400-level or MC 400-level electives | 6 |
| Capstone Courses: | |
| One course chosen from MC 401, APR 451, APR 452 or APR 453 | 3 |
| APR 433 Public Relations Campaigns | 3 |
| Total Hours | 37 |

Minors for Students Majoring in Public Relations

The A+PR department requires each of its students to complete a minor, which may not include any advertising and public relations (APR), journalism (JN), mass communication (MC) or telecommunication and film (TCF) courses. Public relations students minor in such diverse areas as communication studies, general business, political science, art, psychology, history, mathematics or cultural studies, or languages such as Chinese, Japanese, Russian or Spanish. No more than 27 hours in the minor may be counted toward fulfillment of graduation requirements. At least six hours in the minor must be at or above the 300 level. Two minors or a second major may be pursued. 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. Freshman and sophomore students (with 60 or fewer earned hours) 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 to request one. Juniors and seniors (with 60+ earned hours) seeking to major in advertising or students pursuing an advertising minor should go to 412 Phifer for an adviser assignment.

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.

Specialization

Technological and Digital Communication Management Specialization

Technological and digital communication management specialization (38 hours): prepares students for public relations careers in the tech/digital communications industry.

To see the required order in which you take the courses in the tech and digital communication management specialization in the PR major, click here. All major/specialization courses require at least a C-. Due to the prerequisite-based curriculum, it takes at least five semesters to complete the hours in the public relations major with the technological and digital communication management specialization.

| Code and Title | Hours |
|------------------------------------|-------|
| MC 101 Intro To Mass Communic | 3 |
| JCM 103 Mechanics of Media Writing | 1 |
| APR 231 Intro Public Relations | 3 |
| APR 260 Software Applications I | 1 |

| | | |
|---|---|-----------|
| APR 271 | Strategic Thinking (PR) | 3 |
| APR 280 | Intro to Audience Analysis | 3 |
| APR 300 | Basic Principles of Design | 3 |
| JCM 303 | News Writing and Reporting | 3 |
| APR 332 | Public Relations Writing ¹ | 3 |
| APR 430 | Advanced Digital Marketing ¹ | 3 |
| Select one of the following depth courses: | | 3 |
| APR 325 | Social and Digital Media ² | |
| APR 490 | Special Topics ² | |
| CSM 440 | Max Social Media Mktg | |
| CSM 447 | Advanced Digital Tools | |
| MC 495 | Special Topics ² | |
| Select one of the following required electives: | | 3 |
| APR 415 | Online Magazine Writing ^{1,3} | |
| APR 419 | Concepting and Implementation ¹ | |
| APR 423 | A+PR Management ¹ | |
| APR 425 | Crisis & Emer. Mgt. ¹ | |
| APR 426 | International Public Relations ¹ | |
| APR 427 | Public Relations Leadership ¹ | |
| APR 490 | Special Topics ⁴ | |
| MC 401 | Mass Comm Law & Regultn | 3 |
| APR 433 | Public Relations Campaigns ¹ | 3 |
| Total Hours | | 38 |

Footnotes

- ¹ Students must have earned at least 20 hours in the major to take these courses.
- ² APR 490 Social Media is an approved alternative to APR 325. Other approved APR 490 topics for the depth course are a) Digital Multimedia and b) Twitch – Content Marketing Communications.
- ³ Students are admitted by application and instructor's permission to this course.
- ⁴ Must be a different topic from depth course.

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 executives, 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 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. 574)
- Minors
 - Communication Studies (p. 577)
 - Leadership Communication (p. 578)

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

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.

Communication Studies, BA

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 to eligible communication studies majors, students admitted into this program are able to earn both the BA 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 91 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

A total of 120 hours is required for graduation, 33 hours of which must be in upper-division courses (at the 300- or 400-level). The College requires that 12 of these upper-division hours be outside of the major (COM). This College requirement may be met with upper-division courses in the minor.

| Code and Title | Hours |
|--|-------|
| Freshman Composition (FC) | |
| EN 101 English Composition (or by exam or equivalent) | 3 |
| EN 102 English Composition (or by exam or equivalent) | 3 |
| Humanities (HU) and Fine Arts (FA) | |
| Fine Arts (FA) | 3 |
| Literature (L) | 3 |
| Humanities (HU) | 6 |
| May include the following: | |
| COM 100 Rhetoric And Society ¹ | |
| COM 122 Critical Decision Making ¹ | |
| or | |
| COM 121 Crit Decisn Makng Honors | |
| COM 123 Public Speaking ¹ | |
| or | |
| COM 124 Honors Public Speaking | |
| COM 210 Oral Interpretn Literatr ¹ | |
| Credit Hours Subtotal: | 18 |
| Natural Science (N) and Mathematics (MA) | |
| Natural Science (N) | 8 |
| Mathematics (MA) | 3 |
| Credit Hours Subtotal: | 11 |
| History (HI) and Social/Behavioral Sciences (SB) | |
| History Sequence (HI) | 6 |
| Social/Behavioral Sciences (SB) | 6 |
| May include the following: | |
| COM 101 Principles Human Communication ¹ | |
| COM 220 Interpersonal Communication ¹ | |
| or | |
| COM 219 Honors Interpersonal Comm | |
| Credit Hours Subtotal: | 12 |
| Pre-major Requirements | |
| 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 |
| W-designated Courses in the Major | |
| Select a minimum of six hours of the following: ² | 6 |
| COM 300 Human Communication Research | |
| COM 310 Rhetorical Criticism | |
| 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 |
| Total Hours | 56-58 |

Footnotes

- ¹ These courses are cross-listed as meeting core requirements as well as the major.
- ² Select a minimum of six hours of Writing courses (W), at least three hours of which must be in the major (COM) as COM 300 Human Communication Research or COM 310 Rhetorical Criticism.

Communication Studies Major

Overall, a total of 33 hours are required in upper-division courses (at the 300-400 level), including a minimum of 21 hours in the major (COM) and of 12 hours outside the major, which may be fulfilled by courses in the minor. No more than 45 hours in Communication Studies (COM) may be counted toward the total number of hours required for graduation (120).

To major in Communication Studies, a minimum of 36 hours of courses in Communication Studies is required. The program of instruction should be planned in consultation with a faculty advisor and must include COM 499 Capstone Seminar, for a total of 21 hours in requirements and a minimum of 15 hours in elective COM courses:

| Code and Title | Hours |
|--|-------|
| Theoretical Foundations (3 hours) | |
| Select at least one of the following: ¹ | |
| COM 100 Rhetoric And Society | |
| COM 101 Principles Human Communication | |
| Credit Hours Subtotal: | 3 |
| Oral Performance Skills (6 hours) | |
| Select at least one of the following Oral Performance courses: | |
| COM 104 Forensics (this course may be repeated for up to 6 hours credit) | |
| COM 121 Crit Decisn Makng Honors | |
| or | |
| COM 122 Critical Decision Making | |
| COM 123 Public Speaking | |
| or | |
| COM 124 Honors Public Speaking | |
| May also select an Advanced Oral Performance course from the following: | |
| COM 210 Oral Interpretn Literatr | |
| COM 323 Advanced Public Speaking | |
| COM 348 Argumentation | |
| Credit Hours Subtotal: | 6 |

Methods and Analysis W Course (3 hours)

Select at least one of the following W courses, after completion of designated prerequisite:

| | |
|--------------------------------------|--|
| COM 300 Human Communication Research | |
| COM 310 Rhetorical Criticism | |

Writing Skills in Communication Studies

Select an additional W-designated COM course to complete Gen Ed requirement:

| | |
|-----------------------------------|--|
| 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 |
| Capstone Experience (3 hours) | | |
| COM 499 | Capstone Seminar ^{2,3} | 3 |
| | Credit Hours Subtotal: | 3 |
| Total Hours | | 18 |

Footnotes

¹ **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.**

² Intended to be taken in the final semester of coursework

³ 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

COM Elective Courses

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 departmental faculty adviser. 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, Criminal Justice, English, Gender and Race Studies, History, Journalism and Creative Media, Philosophy, or Political Science.

| Code and Title | Hours |
|--------------------------------------|-------|
| COM 301 Intro Rhetorical Theory | 3 |
| COM 323 Advanced Public Speaking | 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, American Studies, Apparel and Textiles, Art History, English/Creative Writing, Gender and Race Studies, International Studies, Journalism and Creative Media, Modern Languages, Public Relations, 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, Consumer Sciences, Economics, General Business, Human Development and Family Studies, International Studies, Journalism and Creative Media, Management, Psychology, Public Relations, 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 Interpersonl 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

Margaret U. D'Silva

Robert N. Gaines

Mark D. Nelson

Associate professors

Meredith Bagley

Robin Boylorn

Heather Carmack

Alexa S. Chilcutt

Darrin Griffin

Sara Hartley

Mary M. Meares

Joshua R. Pederson

Assistant professors

Jennifer Becker

Anneliese Bolland

Adam Sharples Brooks

Sim Butler

Nikita Y. Harris

Peter R. Jensen

Leah LeFebvre

Jessy Ohl

Caroline S. Parsons

Cynthia Peacock

Ben Pyle

Senior Instructor

Angela Billings

Instructor

Cory Paul Harrison

Chair

Margaret U. D'Silva

Professor emeritus

Thomas Harris

Associate professor emeritus

Frank M. Thompson, Jr.

Adjunct assistant professors

Jane S. Baker

Brandon Chicotsky

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 |
|--|-----------|
| Minor Courses | |
| COM 100 or Rhetoric And Society | 3 |
| COM 101 Principles Human Communication | |
| COM electives at the 300- or 400-level | 6 |
| COM electives | 9 |
| 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 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 | |
| Total Hours | 18 |

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.

- Majors
 - News Media, BA (p. 580)
 - Creative Media, BA (p. 582)
- Minors
 - News Media (p. 582)
 - Creative Media (p. 584)
 - Sports Media (p. 584)
 -

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

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

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 WVUA 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. **NOTE:** Of the 120 hours required for this degree, 72 hours must be outside of JCM/MC/APR under our national accreditation guidelines.

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 the Department of Advertising & 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) ¹ | | 8 |
| Computer Science (CS) ^{1,2} | | 6 |
| Humanities, Literature, and Fine Arts (12 credits) | | Hours |
| Fine Arts (FA) | | 3 |
| Literature (L) ³ | | 3 |
| Humanities (HU) or (L) or (FA) ³ | | 6 |
| History and Social/Behavioral Sciences (12 credits) | | Hours |
| MC 101 Intro To Mass Communic | | 3 |
| History (HI) ³ | | 3 |
| History (HI) or Social/Behavioral Sciences (SB) ³ | | 3 |
| Natural Science and Mathematics (11 credits) | | Hours |
| Natural Sciences (must include labs) | | 8 |
| MATH 110 or Finite Mathematics | | 3 |
| MATH 112 Precalculus Algebra | | |

| | |
|--------------------------|--------------|
| Writing (W) | Hours |
| Writing (W) ⁴ | 6 |

Footnotes

- ¹ Writing requirement fulfilled by upper level JCM courses. JCM majors do not need to take additional (W) courses.
- ² Students must complete either CS or FL for core requirements.
- ³ News media students completing the computer requirements are encouraged to take JCM 202.
- ⁴ Students must complete either a HI or L sequence.

JCM Department Core (13 credits)

All students are required to take the following core courses:

| JCM Department Core (13 hours) | | Hours |
|---------------------------------------|--|--------------|
| JCM 102 | Intro to Med. Content Creation | 3 |
| JCM 103 | Mechanics of Media Writing | 1 |
| MC 101 | Intro To Mass Communic | 3 |
| JCM 493 or | Ethics and Diversity in Media ⁵ | 3 |
| JCM 496 | Ethics in Sports Journalism | |
| or | | |
| JCM 467 | Ethics in Film and TV | |
| JCM 499 | News/Sports Capstone | 3 |
| Total Hours | | 13 |

Footnotes

- ⁵ News Media majors are encouraged to take JCM 493.

News Media Major (24 credits)

| News Media Core (24 hours) | | Hours |
|-----------------------------------|-------------------------------|--------------|
| Skills | | 12 |
| 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 | |
| Concepts | | 6 |
| 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 446 | Issues in Sports Media | |
| | Credit Hours Subtotal: | 18 |
| Two-course sequence | | 6 |

Students must choose one sequence and take six credits from that sequence

Specialized Writing

| | |
|---------|----------------------------------|
| JCM 429 | Food Writing and Reporting (and) |
|---------|----------------------------------|

| | |
|--|-------------------------------------|
| JCM 442 | Specialized Magazine Writing |
| Visual Journalism | |
| JCM 320 | News Design and Visualization (and) |
| JCM 327 | Visual Journalism |
| 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 |

Total Hours 24

Electives (6 credits)

| Code and Title | Hours |
|---|--------------|
| 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 (43 total credits - including 13 JCM core)

Students planning on completing the sports concentration must officially declare that on myBama. Students in the concentration do not have to take a course sequence.

Sports Media Concentration (18 News Media Core and 12 Concentration hours)

Recommended Course Selections in the News Media Core:

| | |
|---------|---|
| JCM 325 | Sports Writing and Reporting ⁶ |
| JCM 496 | Ethics in Sports Journalism ⁷ |

Concept Courses:

| | |
|--------|-------------------------------------|
| MC 101 | Intro To Mass Communic |
| MC 446 | Issues in Sports Media ⁸ |

12 concentration hours as noted below:

| | | |
|---|--------------------------|---|
| Students cannot double count courses in this concentration. | | |
| JCM 425 | Digital Sports Coverage | 3 |
| JCM 444 or | Adv. Sports Reporting | 3 |
| JCM 326 | TV and Radio Performance | |

Two of the following courses 6

| | |
|---------|-------------------------------|
| JCM 445 | Analysis of Sports Writing |
| or | |
| JCM 333 | Working for Television News |
| or | |
| JCM 435 | Sports Documentary |
| or | |
| JCM 462 | Motion Graphics |
| or | |
| JCM 382 | News Media Internship |
| or | |
| JCM 146 | Intro to Sports Communication |
| or | |

MC 446 Issues in Sports Media

Total Hours 12**Footnotes**

- ⁶ Instead of JCM 315 Adv. News Writing
- ⁷ Instead of JCM 493 Ethics and Diversity in Media
- ⁸ MC 446 Issues in Sports Media is the recommended concept course for the concentration

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 |
| Total Hours | | 19 |

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 13 hours of JCM core classes and an additional 24 credits of the creative media core classes, as outlined below. 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. Creative Media majors may not complete a minor offered

by the Department of Journalism & Creative Media or the Department of Advertising & 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 |
| Foreign Language or Computer Science (8 or 6 credits) | | Hours |
| Foreign Language (FL) ¹ | | 8 |
| Computer Science (CS) ^{1,2} | | 6 |
| Humanities, Literature, and Fine Arts (12 credits) | | Hours |
| JCM 112 | Motion Picture Hy. and Crit. | 3 |
| Literature Sequence (L) ³ | | 3 |
| Humanities (HU) or (L) or (FA) ³ | | 6 |
| Natural Science and Mathematics (11 credits) | | Hours |
| Natural Science (NS) | | 8 |
| Mathematics (MATH) | | 3 |
| History and Social/Behavioral Sciences (12 credits) | | Hours |
| JCM 100 | Introduction to Story | 3 |
| History (HI) ³ | | 3 |
| History (HI) or Social/Behavioral Sciences (SB) ³ | | 3 |
| Writing (6 credits) | | Hours |
| Writing (W) ⁴ | | 6 |

Footnotes

- ¹ Writing requirement fulfilled by upper level JCM courses. JCM majors do not need to take additional (W) courses.
- ² Students must select either a (FL) or (CS) sequence.
- ³ Creative media students completing the computer science requirement are encouraged to take JCM 202.
- ⁴ Students must complete either a (HI) or a (L) sequence (6 credits).

All JCM students are required to take the following core courses:

| JCM Department Core (13 credits) | | Hours |
|---|--|--------------|
| JCM 100 | Introduction to Story | 3 |
| JCM 102 | Intro to Med. Content Creation | 3 |
| JCM 103 | Mechanics of Media Writing | 1 |
| JCM 467 or JCM 493 or JCM 496 | Ethics in Film and TV ⁵ Ethics and Diversity in Media Ethics in Sports Journalism | 3 |
| JCM 497 | Business of Film and Video | 3 |
| Total Hours | | 13 |

Footnotes

- ⁵ Creative Media students are encouraged to take JCM 467 Ethics in Film and TV to fulfill this requirement.

| Creative Media Major (24 credits) | | Hours |
|--|---|--------------|
| Skills | | 9 |
| JCM 201 | Intro to Media Production | |
| JCM 202 | Intro to Post Production | |
| JCM 350 or JCM 351 | Advanced Videography Video for Digital Content | |
| Concepts | | 9 |
| JCM 112 | Motion Picture Hy. and Crit. | |
| JCM 212 | Film and Media Theory | |
| JCM 311 or JCM 312 or JCM 412 or JCM 413 or JCM 414 | Critical Study of Television International Cinema Seminar in American Cinema Gender, Music, and Pop Culture Films and Ind. Cinema | |
| Credit Hours Subtotal: | | 18 |
| Two-Course Sequence | | 6 |
| Students must choose one sequence from the list below and take both courses. | | |
| Film Writing | | |
| JCM 346 or JCM 347 | Short Film Writing (and) TV Film Writing | |
| JCM 466 | Feature Film Writing | |
| Scene Directing | | |
| JCM 437 or JCM 438 or JCM 450 | Scene Directing (and) Directing Adv. Video Projects | |
| Producing | | |
| JCM 354 or JCM 454 | Producing (and) Advanced Producing | |
| Documentary | | |
| JCM 318 or JCM 441 | Documentary Storytelling (and) Documentary Production | |
| Post-Production Tools | | |
| JCM 335 or JCM 462 | Audio Production (and) Motion Graphics | |
| JCM 433 | Advanced Post Production | |
| Multicamera Production | | |
| JCM 431 or JCM 477 | Multicamera Production (and) Production House | |
| Total Hours | | 24 |
| Creative Media Electives (6 credits) | | Hours |
| 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. | | 6 |

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 |
| Total Hours | 18 |

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 |
| Total Hours | 19 |

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

Undergraduate Minor in Rural Community Health

The undergraduate minor in Rural Community Health (p. 587) provides an opportunity for undergraduate students to complete coursework in health care, health policy, and epidemiology, with a particular focus on rural communities. For more information about the minor, contact: Dr. James Leeper, 205-348-1355 or jleeper@cchs.ua.edu or Professor Susan Guin, 205-348-6196 or smguin@ua.edu

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: Dr. James Leeper, professor and director of educational programs, College of Community Health Sciences, 205-348-1355 or jleeper@cchs.ua.edu.

Family Medicine Residency

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, behavioral health, pediatrics, and rural public psychiatry.

For information regarding graduate programs offered by the College of Community Health Sciences, please visit the college's graduate catalog page.

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.

Faculty

Administrative Officers

Richard Friend, MD, Dean (Interim)

Thaddeus Ulzen, MD, Associate Dean for Academic Affairs

Caroline Boxmeyer, Ph.D., Assistant Dean for Academic Affairs

Martha Crowther, PhD, Associate Dean for Research (Interim)

Thomas Weida, MD, Chief Medical Officer

David Nichols, Chief Operating Officer

Allison H. Arendale, Chief Financial Officer

Grier Stewart, MD, Director, Medical Education

Department Chairs

John C. Higginbotham, PhD, Community Medicine and Population Health

Jane Weida, MD, Family, Internal and Rural Medicine (Interim)

Kristine Graettinger, MD, Obstetrics and Gynecology

Thaddeus Ulzen, MD, Psychiatry and Behavioral Medicine

Karen Burgess, MD, Pediatrics

Joseph C. Wallace, MD, Surgery

Faculty

Daniel Avery, MD

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

John Burkhardt II, PsyD

Jennifer Clem, MD

Cecily Collins, MD

Martha Crowther, Ph.D.

Nathan Culmer, Ph.D.

Sandra Daley, MD

Jared S. Ellis

Tamer Elsayed, MD

Pamela Foster, MD, MPH

Mary Louanne Friend, Ph.D.

Richard Friend, MD

H. Joseph Fritz, MD

Scott Fulgham, MD

Brian Gannon, MD

Charles Geno, MD

Marisa Giggie, MD, MPA

Kristine Graettinger, MD

Abbey Gregg, Ph.D.

Susan Guin, MSN, CRNP

Anne Halli-Tierney, MD

Andrew Harrell, MD

Randi Henderson-Mitchell, Ph.D.

Suzanne Henson, MS, RD

John Higginbotham, Ph.D.

Catherine Ikard, MD

Drake Lavender, MD

Connie Leeper, MD

James Leeper, PhD

Charles Lehman, MD

Bennie Lucy, MD
 John McDonald, MD
 Olivia May
 Robert, McKinney, Ph.D.
 Mercedes Morales-Aleman, Ph.D.
 William Owings, MD
 Raheem Paxton, Ph.D.
 Sara Phillips, MD
 Jean Pointon, MD
 Stretch Reed, MD
 Cecil Robinson, Ph.D.
 James Robinson, MD, Endowed Chair
 Nancy Rubin, PsyD
 Robert Sheppard, MD
 Catherine Skinner, MD
 Robert Slaughter, MD
 Elizabeth Smith, CRNP
 Earl Ray Stewart, MD
 Grier Stewart, MD
 Richard Streiffer, MD
 Heather Taylor, MD
 Cynthia Tyler, MSW
 Thaddeus Ulzen, MD, FRCP(C), DFAPA
 Joseph Wallace, MD
 Jane Weida, MD
 Thomas Weida, MD
 John R. Wheat, MD
 Nelle Williams
 Andrea Wright
 Lea Yerby, PhD

Rural Community Health, Minor

The minor requires coursework in Biostatistics, Epidemiology, Health Policy/Planning, Rural Environmental/Occupational Health and Community Clinical Process. 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

The Minor requires successful completion (earn a grade of B or better in each course) of 15 credit hours in five courses (three hours each) from the following:

| Code and Title | | Hours |
|--------------------|--------------------------|-----------|
| CHS 400 | Rural Envir/Occup Health | 3 |
| CHS 420 | Basic Epidemiology | 3 |
| CHS 422 | Community Clinical Proc | 3 |
| CHS 425 | Biostatistics | 3 |
| CHS 427 | Health Policy & Planning | 3 |
| Total Hours | | 15 |

College of Education

Department of Curriculum and Instruction (p. 596)

Department of Educational Leadership, Policy and Technology Studies (p. 607)

Department of Educational Studies in Psychology, Research Methodology and Counseling (p. 609)

Department of Kinesiology (p. 611)

Department of Music Education (p. 614)

Department of Special Education and Multiple Abilities (p. 617)

Educational Studies Minor (p. 621)

Degrees and Programs Offered

The College of Education offers undergraduate programs leading to the bachelor of science degree in education. A bachelor of science degree in Educational Neuroscience is also offered.

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 degree in Kinesiology with a concentration in exercise science is also offered; however, this degree does not lead to teacher certification.

A minor in Educational Policy and Reform (p. 608) 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 (p. 621).

General Degree Requirements

The College of Education offers undergraduate programs leading to the bachelor of science in education degree and the bachelor of science in Educational Neuroscience. 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).

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. 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.

In addition, the *Praxis* Core Academic Skills for Educators test (mathematics, reading, and writing) is required by the College of Education. Passing scores in all three areas are required of candidates prior to admission to a teacher education program. Information about

the *Praxis* Core tests is available at <https://www.ets.org/praxis/about/core/>.

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 | 3-6 |
| & EN 102 or | and English Composition | |
| EN 103 | Advanced English Composition | |

| | |
|--------------------|------------|
| Total Hours | 3-6 |
|--------------------|------------|

| II. Humanities and Fine Arts Requirements | | Hours |
|--|--|--------------|
|--|--|--------------|

| | |
|---|---|
| Literature courses (at least 3 hours): ¹ | 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 |

| | |
|---------------------------------------|---|
| 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 250 | Music In World Cultures |
| TH 114 | Intro To The Theatre |

| | |
|--|---|
| Humanities courses (At least 3 hours of public speaking is required): ² | 3 |
|--|---|

| | |
|---------|--|
| COM 123 | 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 |
| Total Hours | | 12 |

Footnotes

¹ 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.

² 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 Biology II Laboratory |
| 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 |
|------------------------------|---|

| | |
|----------|--------------------------|
| 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 |
|--------------------|----------|

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: ¹ | 3 |
|---|---|

| | |
|--------|---------------------|
| HY 101 | Western Civ To 1648 |
|--------|---------------------|

| | |
|--------|------------------------|
| HY 102 | Western Civ Since 1648 |
|--------|------------------------|

| | |
|--------|--|
| HY 103 | History of American Civilization to 1865 |
|--------|--|

| | |
|--------|---------------------------------|
| HY 104 | America Civilization Since 1865 |
|--------|---------------------------------|

| | |
|--------|-----------------------|
| HY 117 | World History to 1500 |
|--------|-----------------------|

| | |
|--------|--------------------------|
| HY 118 | World History Since 1500 |
|--------|--------------------------|

| | |
|---------------------|---|
| Additional courses: | 9 |
|---------------------|---|

| | |
|--------|---------------------|
| PY 101 | Intro To Psychology |
|--------|---------------------|

| | |
|--------|-----------------------------|
| HD 101 | Life Span Human Development |
|--------|-----------------------------|

| | |
|---------|-------------------------------------|
| ANT 100 | Anthropology: The Study of Humanity |
|---------|-------------------------------------|

| | |
|---------|--------------------------------|
| ANT 102 | Intro to Cultural Anthropology |
|---------|--------------------------------|

| | |
|---------|----------------------------|
| ANT 103 | Discoveries In Archaeology |
|---------|----------------------------|

| | |
|--------|------------------------------|
| 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

¹ 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: Secondary English Language Arts majors must complete the foreign language requirement (Option 1). Option 2 is not part of area V of the articulation agreement. 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. 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. The *Praxis* Core Academic Skills for Educators Tests (mathematics, reading and writing) must be taken prior to the pre-professional course. Students must have a passing score for all three sections. Information about the *Praxis* Core Tests is available at <https://www.ets.org/praxis/about/core/> or from Student Services in 104 Carmichael Hall.
2. 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).

3. 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.
4. 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.
5. Students must have a grade of a C- or higher in an approved public-speaking course.
6. 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.
7. 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.
8. 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.
9. Students must fulfill their departmental writing requirements.
10. 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.
11. 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 Graves 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 Graves 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.

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 Graves 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

Kathy Shaver-Wetzel

Associate Dean for Research & Service

David Hardy

Paul W. and Mary H. Bryant Endowed Professor of Education

Kristine Jolivette

Helen and Pat O'Sullivan Endowed Professor

Gregory J. Benner

Registrar and Assistant Certification Officer

Lynn Heard

Professors

Natalie G. Adams

Gregory J. Benner

Angela Benson

Nathaniel James Bray

Joy Burnham

Julianne Coleman

Matthew D. Curtner-Smith

Carol A. Donovan

Nirmala Erevelles

Michael Esco

Carl B. Hancock

Peter Hlebowitsh

Karri Holley

Bob Johnson

Kristine Jolivette

Jennifer L. Jolly

Stephen G. Katsinas

Frankie Santos Laanan

Claire Howell Major

Miguel Mantero

Sara McDaniel

Douglas McKnight

Robert A. McWilliam

N. Kagendo Mutua
John E. Petrovic
Mark T. Richardson
Randall Schumacker
John Vincent
Elizabeth K. Wilson
Vivian H. Wright

Associate Professors

Becky Atkinson
Lucy Barnard-Brak
Cory Callahan
Andre R. Denham
Kelly Guyotte
Brent L. Hardin
David Hardy
Janie Hubbard
Latrise Johnson
Joni Lakin
Michael Lawson
Junfei Lu
Roxanne Mitchell
George Mugoya
Margaret L. Rice
Jonathan Shemwell
Oleg A. Sinelnikov
Firat Soyly
Karen Spector
Jing Ping Sun
Nicole Cain Swoszowski
David Ian Walker
Stefanie Wind
Jonathan Eric Wingo
Jeremy Zelkowski

Assistant Professors

Elroy Aguiar
Yusuf Akamoglu
Eric Baltrinic
Julie K. Bannerman
Daniel Cohen
Ryan Cook
Michael Fedewa
Marissa Filderman
Heather Fye

Teresa Grenawalt
Hyemin Han
Tracey Hodges
Alison Hooper
Todd Hutner
Kristen Lamb
Joon-Ho Lee
Emily Lund
Feiya Luo
Wenchao Ma
Hayley MacDonald
Kaiwen Man
Ragan McLeod
Steve Mobley, Jr.
Laura M. Morett
Jacob Mota
Macarena Suarez Pellicioni
June Preast
Stephanie Shelton
Jee Kyung Suh
Casedy Thomas
Laci Watkins
Dylan Williams
Krystal L. Williams
Lee Winchester
Sheunghyun Yeo

Clinical Professors

Judy Giesen
Brenda Mendiola
Kathy Shaver Wetzel

Clinical Associate Professors

Arleene Breaux
Tammy Brown
Yvette Bynum
Melisa Fowler
Ann Godfrey
Karl Hamner
Lisa Matherson
Stacy Hughey Surman
Elizabeth A. Woodruff

Clinical Assistant Professors

Ammie Akin
William Bergeron

Heather Britnell
 Ashley Cawley
 Millie Dawson-Hardy
 Anthony Derriso
 Colleen Geary
 James Hardin
 Kimberly Jenkins-Richardson
 Cailin Kerch
 John Myrick
 Catherine Price
 Margaret Stran
 Holly Swain
 Kimberly Tomeny
 Yurou Wang
Clinical Research Assistant Professor
 Sara Sanders
Clinical instructors
 Lisa Burgess
 Sharron Maughn
 Neika Morgan
 Diana Winchester
Emeriti
 Mary K. Agnew
 Carrel M. Anderson
 Daisy Arredondo Rucinski
 Truman D. Baker
 Margaret B. Balentine
 Barbara M. Barker
 Aurelia Barnett
 Patricia A. Bauch
 Mary Beirne-Smith
 Dorothea Grace Bishop
 Phillip Bishop
 Karla Carmichael
 Hazel B. Cobb
 Sheryl Cohen
 Robert Edward Comas
 Helen R. Connor
 William D. Crump
 C.J. Daane
 Dave Dagley
 John P. Dolly
 Jill Driver

Ben F. Eller
 Edwin S. Ellis
 Charles R. Estes
 Ronald L. Evelsizer
 Patrick Ferguson
 Lanny R. Gamble
 M. Jenice Goldston
 Sr. Madeleine Gregg
 Robert E. Griffin
 Patti Harrison
 David W. Head
 Loreta Holder-Brown
 Rick Houser
 Ali Iran-Nejad
 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
 Rodney W. Roth
 Barbara Starnes Rountree
 Inez Rovegno
 Jamie Satcher
 Carol Schlichter
 Diane Sekeres
 James Siders
 Ronnie Stanford
 Hugh H. Stegall
 Cynthia S. Sunal
 Dennis W. Sunal
 C. John Tarter
 Stephen Thoma
 Stephen Tomlinson
 Wayne Urban

David J. Vold

Archie Lee Wade

Raymond Carl Westerfield

Allen Wilcoxon

Department of Curriculum and Instruction

- Majors
 - Elementary Education, BSE (p. 596)
 - Secondary Education, BSE (p. 598)

Interim Department Head

- Miguel Mantero

Program Coordinators

- Holly Swain, Elementary
- Karen Spector, Secondary

Professors

- Julianne Coleman
- Miguel Mantero
- Elizabeth K. Wilson

Associate professors

- Cory Callahan
- Janie Hubbard
- Latrise Johnson
- Jonathan Shemwell
- Karen Spector
- Jeremy Zerkowski

Assistant professors

- Tracey Hodges
- Alison Hooper
- Todd Hutner
- Jee Kyung Suh
- Casedy Thomas
- Sheunghyun Yeo

Clinical associate professors

- Melisa Fowler
- Lisa Matherson

Clinical assistant professors

- Cailin Kerch
- Holly Swain

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

Interim Department Head

Miguel Mantero

Program Coordinators

Holly Swain, Elementary

Karen Spector, Secondary

Professors

Julianne Coleman

Miguel Mantero

Elizabeth K. Wilson

Associate professors

Cory Callahan

Janie Hubbard

Latrise Johnson

Jonathan Shemwell

Karen Spector

Jeremy Zerkowski

Assistant professors

Tracey Hodges

Alison Hooper

Todd Hutner

Jee Kyung Suh

Casedy Thomas

Sheunghyun Yeo

Clinical associate professors

Melisa Fowler

Lisa Matherson

Clinical assistant professors

Cailin Kerch

Holly Swain

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 Graves 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 |
|---|-------|
| Recommended Courses | |
| 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 |
| Unacceptable Courses | |
| BER 345 Educational Statistics | 3 |

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 |
|--|-----------|
| Professional Studies | |
| BEF 362 School, Culture, and Society ¹ | 3 |
| BEP 305 Educational Psychology ¹ | 3 |
| CEE 320 Survey of EC/ELE ² | 3 |
| SPE 300 Survey Spe Accomd Stratg ¹ | 3 |
| Teaching Field | |
| CEE 491 Early Childhood Curr. & Inst. ² | 3 |
| CRD 369 Fnd of Read Inst for EC/ELE ² | 3 |
| MUE 385 Teaching Music ² | 3 |
| Total Hours | 21 |

Footnotes

- ¹ 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.
- ² 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 |
|---------------------------------------|-------|
| Professional Studies | |
| CEE 401 Managing Effective Classrooms | 1.5 |
| Teaching Field | |
| 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 |
| Total Hours | | 16.5 |

All required science and social science/humanities coursework must be completed prior to Professional Semester 3.

Professional Semester 3

| Code and Title | | Hours |
|-----------------------------|-------------------------------|-------------|
| Professional Studies | | |
| BER 450 | Assess Of Classrm Learnng | 3 |
| CEE 401 | Managing Effective Classrooms | 1.5 |
| Teaching Field | | |
| 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 |
| Total Hours | | 16.5 |

Professional Semester 4

| Code and Title | | Hours |
|--------------------|--------------------------------|-----------|
| Internship | | |
| CEE 497 | EC/ELE Internship ¹ | 6 |
| CEE 497 | EC/ELE Internship ¹ | 6 |
| EDU 400 | Internship Seminar | 1 |
| Total Hours | | 13 |

Footnotes

¹ 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 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 in foreign 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 Graves 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 each of the following requirements: writing examination, admission interview and *Praxis* Core Academic Skills for Educators Tests (formerly Basic Skills). An individual may request from the program chairperson 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: Candidates completing this program must take 8 hours of foreign language (FL). EDU 200 is also 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 ¹ | 3 |
| CSE 479 Teach Second Sch English | |

Internship

| | |
|-----------------------------------|------|
| CSE 497 Secondary School Teaching | 9-12 |
| EDU 400 Internship Seminar | 1 |

Total Hours 32-35

Footnotes

¹ 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 Clinical 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 Clinical 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 |
|---|-----------|
| 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 |
| EN 205 English Literature I | 3 |
| EN 210 American Literature II | 3 |
| EN 300 Intro To English Studies | 3 |
| EN 321 Linguis Approach English Gramr | 3 |
| EN 333 Shakespeare | 3 |
| EN 411 Adv Stdy Comptv Multi-Cutl Lit | 3 |
| One 300-level EN elective (advisor approved) | 3 |
| Two 400-level EN electives (advisor approved) | 6 |
| TH 113 or Voice And Diction | 3 |
| TH 114 Intro To The Theatre | |
| TH 245 Tch Theatre: Performance | 3 |
| JCM 436 or Teaching Multimedia News | 3 |
| JCM 200 Found. for Journalism Practice | |
| Select two of the following: | 6 |
| EN 206 English Literature II | |
| EN 207 World Literature I | |
| EN 208 World Literature II | |
| EN 209 American Literature | |
| EN 249 African American Literature I ¹ | |
| Select one of the following: | 3 |
| EN 340 American Literature To 1900 | |
| EN 343 British Fiction To 1900 | |
| EN 347 English Lit During Enlightenmt | |
| EN 348 Romantic Literature | |
| EN 349 Victorian Literature | |
| Total Hours | 60 |

Footnotes

¹ Does not meet the Literature sequence of UA Core Curriculum.

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 each of the following requirements: writing examination, admission interview and *Praxis* Core Academic Skills for Educators Tests (formerly Basic Skills). An individual may request from the program chairperson 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 Clinical 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.) ¹ | 3 |
| CSE 480 Teach Sec Sch Forgn Lang (for 6-12) | |
| CIE 480 Meth Teach Foreign Langs (for P-12) | |
| Internship | |
| (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 |
| Total Hours | 32-35 |

Footnotes

¹ 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 | 3 |
| 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 |
| Total Hours | 36 |

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 each of the following requirements: writing examination, admission interview and *Praxis* Core Academic Skills for Educators Tests (formerly Basic Skills). An individual may request from the program chairperson 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.) ¹ | 3 |
| CSE 480 Teach Sec Sch Forgn Lang (for 6-12) | |
| CIE 480 Meth Teach Foreign Langs (for P-12) | |
| Internship | |
| (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 |
| Total Hours | 32-35 |

Footnotes

¹ 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 Elementary German I & GN 102 and Elementary German II | |
| GN 103 Accelerated Elementary German ¹ | |
| GN 201 Intermediate German I | 3 |
| GN 202 Intermediate German II | 3 |
| GN 361 Interm Convers Comp I & GN 362 and Interm Convers Comp II | 6 |
| GN 371 Gn Cult Civil Thru 1832 & GN 372 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: ² | |
| GN 264 German Literature Translatn I | |
| GN 265 German Lit In Translatn II | |
| GN 403 Undergraduate Seminar | |
| GN 404 Undergraduate Seminar | |
| Total Hours | 34-38 |

Footnotes

¹ See German adviser regarding this option.

² 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 each of the following requirements: writing examination, admission interview and *Praxis* Core Academic Skills for Educators Tests (formerly Basic Skills). An individual may request from the program chairperson 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.) ¹ | 3 |
| CSE 480 Teach Sec Sch Forgn Lang (6-12) | |
| CIE 480 Meth Teach Foreign Langs (P-12) | |
| Internship | |
| (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 |
| Total Hours | 32-35 |

Footnotes

¹ 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 |
| Total Hours | | 36 |

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 each of the following requirements: writing examination, admission interview and *Praxis* Core Academic Skills for Educators Tests (formerly Basic Skills). An individual may request from the program chairperson 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 ¹ | 3 |
| CSE 483 Teach Second School Math | |

| Internship | |
|-----------------------------------|------|
| CSE 497 Secondary School Teaching | 9-12 |
| EDU 400 Internship Seminar | 1 |

Total Hours **32-35**

Footnotes

¹ 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 |
|---|-------|
| 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 404 Topics Math Secondary Teachers | 1 |
| 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/Applctn I | |
| MATH 470 Prin Modern Algebra I | |
| MATH 485 Intro Complex Variables | |
| MATH 486 Real Analysis I | |
| MATH 499 Undergrad Research Exp | |
| ST 260 Statistical Data Analysis | 3 |

Total Hours **49-50**

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 each of the following requirements: writing examination, admission interview and *Praxis* Core Academic Skills for Educators Tests (formerly Basic Skills). An individual may request from the program chairperson 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 ¹ | 3 |
| CSE 486 Teach Second Sch Science | |
| Internship | |
| CSE 497 Secondary School Teaching | 9 |
| EDU 400 Internship Seminar | 1 |
| Total Hours | 35 |

Footnotes

¹ 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 |
|--|-------|
| Biology | |
| BSC 114 Principles Of Biology I | 3 |
| BSC 115 Laboratory Biology I | 1 |
| BSC 116 Principles Biology II | 3 |
| BSC 117 Biology II Laboratory | 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 |
| Chemistry | |
| 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 |

Physics

| | | |
|--------|--------------------|---|
| PH 101 | General Physics I | 4 |
| PH 102 | General Physics II | 4 |

Integrated Science

| | | |
|-------------------------------|-------------------|---|
| AEM 120, or AY 101 and AY 102 | | 4 |
| GEO 101 | The Dynamic Earth | 4 |

Total Hours 74-77

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 each of the following requirements: writing examination, admission interview and *Praxis* Core Academic Skills for Educators Tests (formerly Basic Skills). An individual may request from the program chairperson 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 ¹ | 3 |
| CSE 486 Teach Second Sch Science | |
| Internship | |
| CSE 497 Secondary School Teaching | 9 |
| EDU 400 Internship Seminar | 1 |
| Total Hours | 35 |

Footnotes

¹ 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 |
|-------------------------------------|--------------|
| Chemistry | |
| CH 101 or CH 117 General Chemistry | 4 |
| CH 102 or CH 118 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 |
| Mathematics | |
| MATH 125 Calculus I | 4 |
| MATH 126 Calculus II | 4 |
| Biology | |
| BSC 114 and BSC 115, or BSC 118 | 4 |
| BSC 116 and BSC 117, or BSC 120 | 4 |
| Physics | |
| 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 | |
| Integrated Science | |
| AEM 120, or AY 101 and AY 102 | 4 |
| GEO 101 The Dynamic Earth | 4 |
| Total Hours | 78-79 |

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 each of the following requirements: writing examination, admission interview and *Praxis* Core Academic Skills for Educators Tests (formerly Basic Skills). An individual may request from the program chairperson 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 ¹ | 3 |
| CSE 486 Teach Second Sch Science | |
| Internship | |
| CSE 497 Secondary School Teaching | 9 |
| EDU 400 Internship Seminar | 1 |
| Total Hours | 35 |

Footnotes

¹ 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 |
|--|-----------|
| Physics | |
| 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 | 3 |
| PH 302 Intermediate Mechanics | |
| 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 |
| Biology | |
| BSC 114 Principles Of Biology I | 3 |
| BSC 115 Laboratory Biology I | 1 |
| BSC 116 Principles Biology II | 3 |
| BSC 117 Biology II Laboratory | 1 |
| Chemistry | |
| CH 101 or CH 117 General Chemistry | 4 |
| CH 117 Honors General Chemistry | |
| CH 102 or CH 118 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 |
| Integrated Science | |
| AEM 120, or AY 101 and AY 102 | 4 |
| GEO 101 The Dynamic Earth | 4 |
| Total Hours | 80 |

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 each of the following requirements: writing examination, admission interview and *Praxis* Core Academic Skills for Educators Tests (formerly Basic Skills). An individual may request from the program chairperson 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 ¹ | 3 |
| CSE 487 Teach Second Soc Science | |
| Internship | |
| CSE 497 Secondary School Teaching | 9-12 |
| EDU 400 Internship Seminar | 1 |
| Total Hours | 35-38 |

Footnotes

¹ 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 |
|---|-----------|
| From general studies students must select: | |
| EC 110 Principles of Microeconomics | 3 |
| EC 111 Principles of Macroeconomics | 3 |
| GY 110 or GY 105 People, Places, & Environment World Regional Geography | 3 |
| 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 430 UG 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 |
| Total Hours | 60 |

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 each of the following requirements: writing examination, admission interview and *Praxis* Core Academic Skills for Educators Tests (formerly Basic Skills). An individual may request from the program chairperson 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.) ¹ | 3 |
| CSE 480 Teach Sec Sch Forgn Lang (6-12) | |
| CIE 480 Meth Teach Foreign Langs (P-12) | |
| Internship | |
| (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 |
| Total Hours | 32-35 |

Footnotes

¹ 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 Spanish Civilization | 3 |

| | |
|------------------------------------|-----------|
| SP 366 Spanish-American Civ | |
| Select two of the following: | 6 |
| SP 371 or Survey Of Spanish Lit | |
| SP 375 Masterpc Sp-Amer Lit I | |
| SP 372 or Survey Of Spanish Lit | |
| SP 376 Masterpc Sp-Amer Lit II | |
| SP 484 Phonetics And Pronunciation | 3 |
| SP 491 Cervantes | 3 |
| SP 400-level elective | 3 |
| Two Advisor-approved electives | 6 |
| Total Hours | 39 |

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 Frankie Santos Laanan, Department Head
Office: 301-C Graves Hall

Computers and Applied Technology (CAT)

Associate Professor Margaret Rice (Program Coordinator)
Office: 315-F Graves Hall

Courses provided in computers and applied technology are commonly used to satisfy part of the general studies requirements for the College of Education baccalaureate degree. Undergraduates often use CAT 200 Computer Education Application and CAT 250 Computer Educ Curric Devel to meet the University's core curriculum requirement for foreign language/computer science.

Social and Cultural Studies in Education (BEF)

Professor John Petrovic (Program Coordinator)
Office: 307-B Graves 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. 608)

Department Head

- Frankie Santos Laanan

Professors

- Natalie Adams
- Angela Benson
- Nathaniel James Bray
- Nirmala Erevelles
- Peter S. Hlebowitsh
- Karri Holley
- Bob L. Johnson
- Stephen G. Katsinas
- Frankie Santos Laanan
- Claire Howell Major
- Douglas McKnight
- John E. Petrovic
- Vivian Wright

Associate professors

- Becky Atkinson
- Andre R. Denham
- David Hardy
- Roxanne Mitchell
- Margaret L. Rice
- Jing Ping Sun

Assistant professors

- Feiya Luo
- Steve Mobley, Jr.
- Krystal L. Williams

Clinical professor

- Brenda Mendiola

Clinical associate professors

- Arleene Breaux
- Yvette Bynum

Clinical assistant professors

- Ammie Akin
- William Bergeron

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

Frankie Santos Laanan

Professors

Natalie Adams
 Angela Benson
 Nathaniel James Bray
 Nirmala Erevelles
 Peter S. Hlebowitsh
 Karri Holley
 Bob L. Johnson
 Stephen G. Katsinas
 Frankie Santos Laanan
 Claire Howell Major
 Douglas McKnight
 John E. Petrovic
 Vivian Wright

Associate professors

Becky Atkinson
 Andre R. Denham
 David Hardy
 Roxanne Mitchell
 Margaret L. Rice
 Jing Ping Sun

Assistant professors

Feiya Luo
 Steve Mobley, Jr.
 Krystal L. Williams

Clinical professor

Brenda Mendiola

Clinical associate professors

Arleene Breaux
 Yvette Bynum

Clinical assistant professors

Ammie Akin
 William Bergeron

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.

| 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 |
| Total Hours | | 15 |

Department of Educational Studies in Psychology, Research Methodology and Counseling

- Major
 - Educational Neuroscience, BS (p. 610)
 -

Associate Professor Firat Soylu, Program Coordinator
Office: 1038 Tom Barnes Education Center

The undergraduate major in Educational Neuroscience is an innovative, transdisciplinary degree that incorporates research and theory from psychology, the brain sciences, and education. During their junior and senior years, students take a lab practicum course every semester, where they work on independent research projects under faculty supervision. The degree culminates with a capstone project (senior thesis) that showcases students' research skills and emergent expertise.

Program in Counselor Education, BCE

Associate Professor George Mugoya, Program Coordinator
Office: 315A Graves 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 Firat Soylu, Program Coordinator
Office: 1038 Tom Barnes Education Center
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 Kelly Guyotte, Program Coordinator

Office: 306E 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 June Preast, Program Coordinator
Office: 215B Graves 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
- Randall Schumacker

Associate professors

- Kelly Guyotte
- Joni Lakin
- Michael Lawson
- Junfei Lu
- George Mugoya
- Firat Soylu
- David Ian Walker
- Stefanie Wind

Assistant professors

- Eric Baltrinic
- Daniel Cohen
- Ryan Cook
- Heather Fye
- Teresa Grenawalt
- Hyemin Han
- Joon-Ho Lee
- Emily Lund
- Wenchao Ma
- Kaiwen Man
- Laura M. Morett
- Macarena Suarez Pellicioni
- June Preast
- Stephanie Shelton

Clinical professor

- Judy Giesen

Clinical associate professors

- Ann Godfrey
- Karl Hamner
- Stacy Hughey-Surman

Clinical assistant professors

- Heather Britnell
- Millie Dawson-Hardy
- Anthony Derriso
- Kimberly Jenkins-Richardson
- 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

Randall Schumacker

Associate professors

Kelly Guyotte

Joni Lakin

Michael Lawson

Junfei Lu

George Mugoya

Firat Soyly

David Ian Walker

Stefanie Wind

Assistant professors

Eric Baltrinic

Daniel Cohen

Ryan Cook

Heather Fye

Teresa Grenawalt

Hyemin Han

Joon-Ho Lee

Emily Lund

Wenchao Ma

Kaiwen Man

Laura M. Morett

Macarena Suarez Pellicioni

June Preast

Stephanie Shelton

Clinical professor

Judy Giesen

Clinical associate professors

Ann Godfrey

Karl Hamner

Stacy Hughey-Surman

Clinical assistant professors

Heather Britnell

Millie Dawson-Hardy

Anthony Derriso

Kimberly Jenkins-Richardson

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 area of behavioral neuroscience has 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 |
|-----------------------------|--|-------|
| Year One: Semester 1 | | |
| 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 |
| Year One: Semester 2 | | |
| 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 |
| Year Two: Semester 1 | | |
| 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 |

Year Two: Semester 2

| | | |
|--|---|----|
| 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 |

Year Three: Semester 1

| | | |
|---------------------------------|------------------------------|----|
| 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 | Tpcs Ed Neuro:Read, Lang, Brn | 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**

Department of Kinesiology

Associate Professor Jonathan Wingo, Department Head
Office: 1002 Moore Hall

- Majors
 - Kinesiology, BSE (p. 612)

Department Head and Associate Professor

- Jonathan E. Wingo

Professors

- Matthew D. Curtner-Smith
- Michael Esco
- Mark T. Richardson
- John Vincent

Associate professors

- L. Brent Hardin
- Oleg A. Sinelnikov

Assistant professors

- Elroy Aguiar
- Michael Fedewa
- Hayley MacDonald
- Jacob Mota
- Dylan Williams
- Lee Winchester

Clinical associate professor

- Elizabeth A. Woodruff

Clinical assistant professors

- Colleen Geary
- Margaret Stran

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 and Associate Professor**

Jonathan E. Wingo

Professors

Matthew D. Curtner-Smith

Michael Esco

Mark T. Richardson

John Vincent

Associate professors

L. Brent Hardin

Oleg A. Sinelnikov

Assistant professors

Elroy Aguiar

Michael Fedewa

Hayley MacDonald

Jacob Mota

Dylan Williams

Lee Winchester

Clinical associate professor

Elizabeth A. Woodruff

Clinical assistant professors

Colleen Geary

Margaret Stran

Clinical instructor

Neika Morgan

Kinesiology, BSE

The major in Kinesiology (BSE) 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 Moore 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 assistant, medicine, pharmacy, dentistry, clinical exercise physiology, cardiac rehabilitation, private and corporate wellness, fitness centers/university recreation settings, personal training and group fitness instruction, and strength and conditioning coaching.

Physical Education

Associate Professor Oleg Sinelnikov

Office: 1009 Moore Hall

Clinical Associate Professor Elizabeth Woodruff

Office: 2006 Moore Hall

Kinesiology majors with a concentration in Physical Education study as a cohort. The core classes taken are elementary, secondary, and advanced methods which teach students effective teaching styles and how to deliver different curriculum models appropriate for elementary and secondary students. Early field experiences are embedded within these methods and content courses and serve as excellent 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, BSE must complete the program core as listed below along with the requirements in their selected concentration.

| Kinesiology Program Core | | Hours |
|---------------------------------|------------------------------|--------------|
| 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 464 | Admin Phys Educ & Sport | 3 |

KIN 468 Adapted Physical Education

3

Total Hours**20**

Exercise Science

The concentration in Exercise Science includes general studies requirements, the 20-hour Kinesiology Major Core Courses, required Exercise Science Concentration Courses, and 30 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: 30 hours

Students completing the concentration in Exercise Science must complete a minimum of 30 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 Biology II Laboratory | 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 401 | Sport Admin.: Princ. and Pract | 3 |
| KIN 402 | Sport Marketing | 3 |
| KIN 403 | Legal Issues in Sport | 3 |
| KIN 404 | Financial Issues in Sport | 3 |
| KIN 420 | Issues in Athletics Coaching | 3 |
| KIN 486 | Internships-Disability Sport | 3-6 |
| 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 | Abnormal Psychology | 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 Masters Program (AMP) allows highly motivated students concentrating in Exercise Science to take courses that dual count toward the BSE 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 masters degree and choosing not to complete it will not adversely affect the ability to earn the BSE 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
- have taken (or be enrolled in) KIN 303 before applying

For more information, contact Dr. Mark Richardson, graduate coordinator for Exercise Science, at 205-348-9180 or mtrichar@ua.edu.

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 and, with successful completion, will graduate as highly qualified to teach in grades P-12. 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 in Education degree and Alabama Class B Physical Education (P-12) professional educator certificate. 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. Additionally, students must have earned passing scores on all three components (reading, writing, and math) of the *Praxis* Core Academic Skills for Educators Test.

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 should be selected. 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 464 | Admin Phys Educ & Sport | 3 |
| KIN 468 | Adapted Physical Education | 3 |
| Total Hours | | 39 |

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 |
| Total Hours | | 31 |

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.

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. 614)
 - Music Education, BSE with Certification in Vocal/Choral Music (p. 616)

Department Head and Professor

- Carl B. Hancock

Assistant professor

- Julie K. Bannerman

Instructor

- Anne C. Witt

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

Assistant professor

Julie K. Bannerman

Instructor

Anne C. Witt

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 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 |
| Total Hours | 34 |

Applied and Ensemble

| Code and Title | Hours |
|---|-----------|
| MUA 010 Music Convocation (x 5) | 0 |
| Principal Applied: | |
| MUA 170-MUA 190 ¹ | 4 |
| MUA 270-MUA 290 ¹ | 4 |
| MUA 199 Sophomore Qualifying | 0 |
| MUA 370-MUA 390 ¹ | 4 |
| MUA 470-MUA 490 ¹ | 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) | |
| Total Hours | 21 |

Footnotes

¹ 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) * | 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 |
| Total Hours | 10-14 |

Footnotes

* 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. 587) 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 ¹ | 3 |
| BEP 305 Educational Psychology ^{1,2} | 3 |
| CRD 412 Impr Read Second Schools ¹ | 3 |
| MUS 448 Tchng 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 ^{1,2} | 3 |
| SPE 300 Survey Spe Accomd Stratg ¹ | 3 |

Internship

| | | |
|--------------------|-----------------------|-----------|
| MUE 497 | Internship Music Educ | 12 |
| EDU 400 | Internship Seminar | 1 |
| Total Hours | | 37 |

Footnotes

- 1 A student may not enroll in more than five identified professional studies courses prior to unconditional admission to TEP.
- 2 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 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 |
|---------------------------------------|-------|
| Music Academics | |
| 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 |

| Applied and Ensemble | | |
|--|-------------------------|----------------------------------|
| 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): | | 7 |
| 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 |

| Class Instruments | | |
|--------------------------|--------------------------|---------------------------------|
| MUE 251 | Intro To Winds, Str, Per | 3 |
| MUE 380 | Vocal Methods | 2 |
| MUE 381 | Vocal Methods Lab | 1 |
| | | Credit Hours Subtotal: 6 |

Total Hours 65

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 ¹ | 3 |
| BEP 305 Educational Psychology ^{1, 2} | 3 |
| CRD 412 Impr Read Second Schools ¹ | 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 ^{1, 2} | 3 |
| SPE 300 Survey Spe Accomd Stratg ¹ | 3 |
| Internship | |
| MUE 497 Internship Music Educ | 12 |
| EDU 400 Internship Seminar | 1 |
| Total Hours | 37 |

Footnotes

¹ A student may not enroll in more than five identified professional studies courses prior to unconditional admission to TEP.

² 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 Graves 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. 618)
 - Early Childhood Special Education
 - Multiple Abilities Program (p. 620)
- Certificate
 - CrossingPoints Certificate in Occupational Studies (p. 619)

Department Head

- Nicole Cain Swoszowski

Professors

- Gregory J. Benner
- Carol A. Donovan
- Kristine Jolivet
- Jennifer L. Jolly

- Sara McDaniel
- Robert A. McWilliam
- N. Kagendo Mutua

Associate Professor

- Lucy Barnard-Brak
- Nicole Cain Swoszowski

Assistant Professor

- Yusuf Akamoglu
- Marissa Filderman
- Kristen Lamb
- Ragan McLeod
- Laci Watkins

Clinical Professor

- Kathy Shaver Wetzel

Clinical Assistant Professors

- Ashley Cawley
- John Myrick
- Catherine Price
- Kimberly Tomeny

Clinical Research Assistant Professor

- 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

Gregory J. Benner

Carol A. Donovan

Kristine Jolivette

Jennifer L. Jolly

Sara McDaniel

Robert A. McWilliam

N. Kagendo Mutua

Associate Professor

Lucy Barnard-Brak

Nicole Cain Swoszowski

Assistant Professor

Yusuf Akamoglu

Marissa Filderman

Kristen Lamb

Ragan McLeod

Laci Watkins

Clinical Professor

Kathy Shaver Wetzel

Clinical Assistant Professors

Ashley Cawley

John Myrick

Catherine Price

Kimberly Tomeny

Clinical Research Assistant Professor

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 Graves 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 |
| Total Hours | 25 |

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 302 Educatl Diagn Measurmt | 3 |
| SPE 374 Working with Families | 3 |
| SPE 375 Sup School/Classroom 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 |
| Semester I Senior Year | |
| CEE 380 Tch Early/Elem Mathematics | 3 |
| SPE 382 Teaching Thinking Skills | 3 |
| SPE 491 Educ Method Elem Mlbd | 3 |
| SPE 492 should also be completed if earning 6-12 certification in addition to K-6 certification. | 0-3 |
| Total Hours | 39-42 |

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 for 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 ¹ | 12 |
| Total Hours | 24 |

Footnotes

¹ These hours should be career or goal related courses agreed upon by the student and their advisor.

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. 587) 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 |
|--|------------|
| General Studies | |
| Complete 60 hours | 60 |
| Credit Hours Subtotal: | 60 |
| Professional Studies | |
| 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 ¹ | 3 |
| BEP 305 Educational Psychology ¹ | 3 |
| SPE 300 Survey Spe Accomd Stratg ¹ | 3 |
| SPE 304 Instructional Strategies In Sp ¹ | 3 |
| SPE 479 Intern In Early Childhood Spe ² | 6 |
| SPE 479 Intern In Early Childhood Spe ² | 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 374 Working with Families | 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: | 36 |
| Total Hours | 121 |

Footnotes

- ¹ TEP admission is required upon completion of these Professional Studies courses.
- ² 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, working with school children. 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 |
| Total Hours | | 15 |

| 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 |
| Total Hours | | 15 |

| Summer I | | Hours |
|--------------------|-------------------------------|--------------|
| 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 |
| Total Hours | | 12 |

| Fall II | | Hours |
|--------------------|------------------------------|--------------|
| 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 |
| Total Hours | | 17 |

| Spring II | | Hours |
|--------------------|-------------------------------|--------------|
| 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 |
| Total Hours | | 18 |

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

Educational Studies Minor

Mission Statement

Embracing The University of Alabama's mission to advance the intellectual and social condition of the people in the State, the minor in Educational Studies is designed as an option for Honors College students (1) to develop a knowledge base about education and schooling, (2) to learn classroom strategies related to teaching and learning, and (3) to act as informed advocates for the public and private school systems. The minor is offered jointly between the College of Education and the Honors College as a program for Honors College students to engage in critical thought and action about education in the 21st century in terms of:

- Fundamentals/foundational knowledge about education and PK-12 schooling
- Diversity, advocacy, service, and involvement in schools and communities; and
- Accountability, policy, and broader economic, political, social, cultural, and philosophical contexts

Contact Information

Dr. Liza Wilson, Senior Associate Dean & Professor, College of Education
ewilson@ua.edu
205-348-6051

Dr. W. Ross Bryan, Assistant Dean & Associate Professor, Honors College
wbryan@ua.edu
205-348-5500

Program Specifics

The minor in educational studies is a non-certification/licensure program designed specifically for Honors College students who are interested in educational issues but who are not education majors. Students who are interested, or students who are currently taking minor courses, should make sure to officially declare the "Educational Studies for Honors College" minor via myBama.

- The minor consists of 18 hours.
- Students must maintain a 3.30 GPA in all coursework

| Course Requirements | | Hours |
|----------------------------|---|--------------|
| EDU 401 | Dyn. of American Ed: Honors | 3 |
| EDU 402 | Honors Educational Diversity and Advocacy | 3 |
| EDU 403 | Honors Educational Policy | 3 |
| EDU 410 | Honors Educational Studies Seminar | 3 |
| UH 200 | Life as a Scholar | 2 |
| UH 205 | Found. of Community Engagement | 3 |
| UH 270 | Engage Tuscaloosa | 1 |
| Total Hours | | 18 |

Course Rotation

Fall

- EDU 401 Dyn. of American Ed: Honors
- EDU 403 Honors Educational Policy

Spring

- EDU 402 Honors Educational Diversity and Advocacy
- EDU 410 Honors Educational Studies Seminar

NOTE: The Educational Studies minor does not lead to professional educator certification.

College of Engineering

Department of Aerospace Engineering and Mechanics (p. 624)

Department of Chemical and Biological Engineering (p. 628)

Department of Civil, Construction and Environmental Engineering (p. 633)

Department of Computer Science (p. 641)

Department of Electrical and Computer Engineering (p. 646)

Department of Mechanical Engineering (p. 652)

Department of Metallurgical and Materials Engineering (p. 657)

Engineering Positive and Intentional Change, Minor (p. 659)

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

The requirements specified in this catalog are intended for all students who begin their college careers during or after the fall of 2014. Students who have begun their careers prior to fall 2014 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. 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 Engineering will modify the student's program to bring it into compliance with current degree requirements.

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 | Engineering Foundations | 3 |
| ENGR 123 | Engineering Foundations Honors | |
| 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- minus 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- minus is received in a prerequisite course, that course must be repeated. A grade of C- minus 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, 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 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

Dean

Charles L. Karr

Associate Dean for Undergraduate and Graduate Programs

Viola L. Acoff

Senior Associate Dean for Administration

Kenneth J. Fridley

Associate Dean for Research and Economic Development

John M. Wiest

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 \(p. 626\)](#)
 - [Aerospace Engineering and Mechanics Honors Program \(p. 625\)](#)
- Minors
 - [Aerospace Engineering \(p. 627\)](#)

Accelerated Masters Program (AMP)

The AEM department's Accelerated Masters Program allows highly-motivated BSAE students to complete the requirements for both a BS in aerospace engineering and an MS in aerospace engineering and mechanics in a five-year period. A student in the program can earn up to 12 hours of dual-credit towards their BS and MS degrees. Following

successful completion of all requirements for their BSAE, students in AMP are awarded their undergraduate degree. Students then continue taking graduate courses until the requirements for the MS degree are met. Students in AMP are classified as undergraduates until they complete all of the requirements for the undergraduate degree. They cannot hold graduate assistantships until they are classified as graduate students. At that time, students become eligible for graduate fellowships and scholarships. To be eligible for a Graduate Council Fellowship, a student must have completed no more than six graduate-level hours when first classified as a graduate student.

Eligibility

Students are normally admitted into AMP at the end of their junior year. To be considered for admission, BSAE students must:

- a) have at least a 3.3 GPA
- b) have completed 90 hours toward their BSAE degree
- c) complete at least six hours of AEM junior-level coursework

Students must submit an application to the graduate school including at least two letters of recommendation and a statement of purpose. For more information, contact the AEM Graduate Program Coordinator, Dr. Paul Hubner at 205-348-1617 or phubner@eng.ua.edu (tzeiler@eng.ua.edu).

Dean, College of Engineering

- Karr, Charles L.

Department Head

- Barkey, Mark

James R. Cudworth Chair

- Gogineni, Prasad

William D. Jordan Chair

- Roy, Samit

Undergraduate Programs Coordinator

- Olcmen, Semih

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

- He, Jiaze
- Larson, Jordan
- Sood, Rohan
- Zhang, Ning

Instructors

- Brazeal, Clyde Ellis
- Chaganti Subrahmanya Datta, Narendra
- Jones, Stanley E.
- Li, Hui
- Papon, Easir

Adjunct Faculty

- Allison, Paul
- Jordan, Brian
- Lemmon, Andrew
- MacPhee, David
- Marley, Brent
- Thompson, Greg

Professors Emeriti

- Jackson, John E., Jr.
- Jones, Stanley E.

Associate Professor Emeritus

- Freeman, Michael

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****Dean, College of Engineering**

Karr, Charles L.

Department Head

Barkey, Mark

James R. Cudworth Chair

Gogineni, Prasad

William D. Jordan Chair

Roy, Samit

Undergraduate Programs Coordinator

Olcmen, Semih

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

He, Jiaze

Larson, Jordan

Sood, Rohan

Zhang, Ning

Instructors

Brazeal, Clyde Ellis

Chaganti Subrahmanya Datta, Narendra

Jones, Stanley E.

Li, Hui

Papon, Easir

Adjunct Faculty

Allison, Paul

Jordan, Brian

Lemmon, Andrew

MacPhee, David

Marley, Brent

Thompson, Greg

Professors Emeriti

Jackson, John E., Jr.

Jones, Stanley E.

Associate Professor Emeritus

Freeman, Michael

AEM Honors Program

The Department of Aerospace Engineering and Mechanics (AEM) Honors Program is part of the College of Engineering Honors Program (COEHP).

It is designed to challenge exceptionally talented students with an enriched educational experience. Students completing the AEM Honors Program will be awarded a certificate and recognized at the Honors Day ceremony in the student's senior year. Participation in the University Honors Program (UHP) is recommended but not a requirement. 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 for more information.

Dr. Semih Olcmen, Undergraduate Program Coordinator
205-348-4003; solcmen@eng.ua.edu

Eligibility Requirements

- must be a current UA aerospace engineering student
- must apply to the program
- must have a minimum 3.3 GPA (freshmen and transfer students must have a minimum 3.5 GPA on a 4.0 scale and an ACT score of 30 or SAT score of 1360; students not meeting this requirement may enter the program after they achieve a 3.3 GPA at the University)
- Honors students must maintain a minimum 3.3 GPA to remain in the AE Honors Program

AEM Honors Program Requirements

Eighteen hours of Honors credits are required, with 12 hours minimum that may include either approved AEM graduate or 400-level courses taken as Honors-By-Contract¹. Three of these 12 hours must be "experience-based."²

Footnotes

¹ 400-Level AEM courses taken as Honors-By-Contract, require completion of work deemed by the instructor to be more advanced than the usual course content. The Honors agreement must be established before the course begins.

² The "experience-based" requirement may be met by or AEM 492 Special Problems by arrangement with AEM faculty.

Approved Graduate Courses

| Code and Title | Hours |
|--------------------------------------|-------|
| AEM 500 Intermediate Fluid Mechanics | 3 |
| AEM 508 Propulsion Systems | 3 |
| AEM 513 Compressible Flow | 3 |
| AEM 514 Experimental Aerodynamics | 3 |
| AEM 520 Computational Fluid Dynamics | 3 |
| AEM 528 Space Propulsion | 3 |
| AEM 552 Composite Materials | 3 |
| AEM 570 Mechanical Vibrations | 3 |
| AEM 574 Structural Dynamics | 3 |

Other Honors Classes

A minimum of six additional hours of Honors classes must be taken that may include additional AEM Honors courses, CBH (Computer-Based Honors) classes, or UHP courses. If these six hours are designated UHP courses, the student will be recognized as completing UHP as well as COEHP requirements.

A BSAE degree is generally an entry level requirement for various careers such as design, development, testing and research in both the public and private sectors. 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, Aero Thermo Technology, Inc., Huntsville, AL; Structural Design Engineer at Northrop Grumman Aerospace Systems; Engineer at Teledyne Technologies, Huntsville, AL; graduate students at Purdue University, University of Texas-Austin, MIT and University of Alabama.

Jobs of Experienced Alumni

Senior Pre-sales Analyst at Cray Inc.; Director of Aviation and Missile Research, Development and Engineering Center, Huntsville, AL; Systems Engineer (Sr. MTS) at The Aerospace Corp., El Segundo, CA; CEO of Aeroconomy, Inc., Atlanta, GA; former Chief Scientist of AFRL

Learn more about opportunities in this field at the Career Center

Aerospace Engineering, BS

The successful Aerospace Engineering student and professional is skilled in mathematics, physics, and computer programming and usage. He or she is also prepared to be diligent in completing assigned work.

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 pre-requisite for another required course. Click here (p. 623) for the details regarding the College of Engineering policy on repeating courses and residency.

Freshman

| Fall | Hours | Spring | Hours |
|---|-------|----------------------|-----------|
| MATH 125 | 4 | MATH 126 | 4 |
| CH 101 ¹ | 4 | PH 105 | 4 |
| Humanities (HU), Literature (L), or Fine Arts (FA) ² | 3 | ENGR 103 or 123 | 3 |
| AEM 121 ³ | 1 | EN 102 | 3 |
| EN 101 | 3 | AEM 249 ⁴ | 2 |
| | | 15 | 16 |

Sophomore

| Fall | Hours | Spring | Hours |
|-----------------------|-------|-----------------------|-----------|
| MATH 227 | 4 | MATH 238 ⁶ | 3 |
| PH 106 | 4 | AEM 250 | 3 |
| AEM 201 | 3 | AEM 251 | 1 |
| ENGR 161 ⁵ | 1 | AEM 264 | 3 |
| MATH 237 ⁶ | 3 | AEM 311 | 3 |
| | | EC 110 | 3 |
| | | 15 | 16 |

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) ² | 3 |
| ME 215 | 3 | Humanities (HU), Literature (L), or Fine Arts (FA) ² | 3 |
| Humanities (HU), Literature (L), or Fine Arts (FA) ² | 3 | | |
| | | 16 | 15 |

Senior

| Fall | Hours | Spring | Hours |
|---|-------|--|-----------|
| AEM 402 | 3 | AEM 404 | 3 |
| AEM 408 | 3 | AEM 451 | 3 |
| AEM 468 | 3 | Aerospace Engineering Elective ⁸ | 3 |
| AEM 495 | 3 | Engineering Elective ⁹ | 3 |
| Aerospace Engineering Computational Elective ⁷ | 3 | History (HI) or Social and Behavioral Sciences (SB) ² | 3 |
| | | 15 | 15 |

Total Hours: 123

Footnotes

- ¹ CH 100 will satisfy CH 101 requirement.
² All students must complete a sequence of two of the HI/SB or HU/L/FA elective courses from the same department.

- ³ 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.

- ⁴ 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

- ⁵ ENGR 161 Small-Scale Eng. Graphics is recommended, but can be satisfied by taking ENGR 171 Large-Scale Eng. Graphics.

- ⁶ 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.

- ⁷ Students may satisfy this requirement by successfully completing either AEM 420 Computational Fluid Dynamics or AEM 461 Computation Method Aero Struct. Consult here (p. 622) for pre/co-requisites.

- ⁸ 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.

- ⁹ 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 generally an entry level requirement for various careers such as design, development, testing, and research in both the public and private sectors. 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, Aero Thermo Technology, Inc., Huntsville, AL; Structural Design Engineer at Northrop Grumman Aerospace Systems; Engineer at Teledyne Technologies, Huntsville, AL; Graduate Students at Purdue University, University of Texas-Austin, MIT, and The University of Alabama

Jobs of Experienced Alumni

Senior Pre-sales Analyst at Cray Inc.; Director of Aviation and Missile Research, Development and Engineering Center, Huntsville, AL; Systems Engineer (Sr. MTS) at The Aerospace Corp., El Segundo, CA; CEO of Aerotonomy, Inc., Atlanta, GA; former Chief Scientist of AFRL

Learn more about opportunities in this field at the Career Center

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.

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 |
|--|-------|
| Mandatory Courses | |
| AEM 250 Mechanics Of Materials I (Prereq: AEM 201, MATH 126) | 3 |
| AEM 264 Dynamics (Prereq: AEM 201, MATH 126) | 3 |
| AEM 311 Fluid Mechanics (Prereq: AEM 201, MATH 227) | 3 |

| Code and Title | Hours |
|--|-------|
| Select three of the following courses: | |
| AEM 313 Aerodynamics (Prereq: AEM 264, AEM 311 Coreq: MATH 238) | 3 |
| AEM 341 Aerospace Structures (Prereq: AEM 249*, AEM 250) | 3 |
| AEM 360 Astronautics (Prereq: AEM 311, MATH 238) | 3 |
| AEM 368 Flight Mechanics (Prereq: AEM 249, AEM 264, MATH 237, MATH 238, AEM 311) | 3 |
| AEM 413 Compressible Flow (Prereq: AEM 311, ME 215) | 3 |

*CS 100 or CS 110 or (RRS 101 and RRS 102)

Department of Chemical and Biological Engineering

- Major
 - Chemical Engineering, BSChE (p. 630)
 - (p. 630)

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.
- Kim, Yonghyun (John)
- Klein, Tonya M.
- Ritchie, Stephen M. C.

Adjunct Professors

- Flowers, Brian
- Lizarazo-Adarme, Jair A.
- Rupar, Paul A.

- Street, Shane
- Weaver, Mark L.

Assistant Professors

- Esfahani, Milad Rabbani
- Harris, James W.
- Huang, Qiang
- Koh, Amanda S.
- Peng, Qing
- Rao, Shreyas 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

Instructors

- 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.

Kim, Yonghyun (John)

Klein, Tonya M.

Ritchie, Stephen M. C.

Adjunct Professors

Flowers, Brian

Lizarazo-Adarme, Jair A.

Rupar, Paul A.

Street, Shane

Weaver, Mark L.

Assistant Professors

Esfahani, Milad Rabbani

Harris, James W.

Huang, Qiang

Koh, Amanda S.

Peng, Qing

Rao, Shreyas 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

Instructors

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. 623).

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 ¹ | 3 |
| | 15 | | 17 |

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 | |
|---|---|------------------------|--------------|
| | 15 | 16 | |
| Junior | | | |
| Fall | Hours | Spring | Hours |
| CHE 304 | 3 CHE 305 | 3 CHE 323 ³ | 4 |
| CHE 306 | 3 CHE 324 | 3 | |
| Engineering Elective (see advisor) | 3 CHE 354 | 3 | |
| History (HI) or Social and Behavioral Sciences (SB) Elective ¹ | 3 Career Elective (see advisor) | 3 | |
| Humanities (HU), Literature (L), Fine Arts (FA) Elective | 3 History (HI) or Social and Behavioral Sciences (SB) Elective ¹ | 3 | |
| | 15 | 15 | 4 |
| 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 ² | 3 | |
| | 15 | 15 | |

Total Hours: 127

Footnotes

- ¹ EC 110 Principles of Microeconomics is a recommended SB course.
- ² Students in Accelerated Masters Program and graduate students may enroll in 500-level courses
- ³ 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 | 4 BSC 114 or 118 | 3 | |
| CHE 125 ¹ | 1 CH 102 or 118 | 4 | |
| EN 101 | 3 EN 102 | 3 | |
| MATH 125 or 145 | 4 MATH 126 or 146 | 4 | |

| | | | |
|---|---|------------------------|--------------|
| ENGR 103 | 3 History (HI) or Social and Behavioral Sciences (SB) Elective ¹ | 3 | |
| | 15 | 17 | |
| 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 ¹ | 3 MATH 238 | 3 | |
| | 18 | 12-16 | |
| Junior | | | |
| Fall | Hours | Spring | Hours |
| CH 338 | 0 or CHE 305 2 | 3 CHE 323 ³ | 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 | |
| | 13-15 | 15 | 4 |
| 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 ² | 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 | | |
| | 16 | 15 | |
| Total Hours: 125-131 | | | |

Footnotes

- ¹ EC 110 Principles of Microeconomics is a recommended SB course.
- ² Students enrolled in Accelerated Masters Program and graduate students may enroll in 500-level courses.
- ³ CHE 323 Operations Laboratory can be replaced by Academic Year Labs CHE 321 and CHE 322.

Biological Engineering Concentration

1. Students must complete a minimum of 15 credit hours from the approved courses list (below)
2. 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 | 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 |
| CHS 425 Biostatistics | 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. 635)
 - Civil Engineering, BS (p. 636)
 - Construction Engineering, BS (p. 638)
 - Environmental Engineering, BS (p. 640)
- Minors
 - Architectural Engineering (p. 636)
 - Civil Engineering (p. 638)
 - Construction Engineering (p. 639)
 - Environmental Water and Resources Engineering (p. 640)
 - Structural Engineering (p. 641)
 - Transportation Engineering (p. 641)

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 | 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. ^{1,4} | 3 |
| | 15 | | 15 |

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 ² | 4 | PH 106 or 126 | 4 |
| | 16 | | 16 |

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 ^{1,4} | 3 | History (HI) or social and behavioral sciences (SB) elective ^{1,4} | 3 |
| | 15 | | 16 |

| Senior | Hours | Spring | Hours |
|--|-----------|--|-----------|
| Fall | | | |
| Senior (plan of study) elective ³ | 3 | CE 406 | 4 |
| CE 433 | 3 | CE 462 | 3 |
| ME 407 | 3 | Senior Plan of Study Elective ³ | 6 |
| ARH 252 or 253 | 3 | Humanities (HU), literature (L), or fine arts (FA) elective ^{1,4} | 3 |
| COM 123 or 124 | 3 | | |
| | 15 | | 16 |

Total Hours: 124

Footnotes

- ¹ 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.
- ² 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
- ³ See CCEE Department or Advisor.
- ⁴ 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 |
|--|--------|
| Required Courses | |
| CE 331 Intro to Structural Eng. | 0 or 3 |
| CE 366 Introduction to Construction Engineering | 3 |
| CE 401 or CE 403 Capstone Design Site: Civil Capstone Design: Building CivE | 4 |

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 |
|--|----|

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.
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.

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 ^{1,4} | 3 |
| | | 15 | 15 |

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 ² | 4 | MATH 238 | 3 |
| GES 255 | 3 | PH 106, 126, CH 102, or CH 118 | 4 |
| | | 16 | 16 |

Junior

| Fall | Hours | Spring | Hours |
|---|-------|---|-----------|
| CE 331 | 3 | CE 320 | 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 ^{1,4} | 3 | History (HI) or social and behavioral sciences (SB) elective ^{1,4} | 3 |
| | | 16 | 15 |

Senior

| Fall | Hours | Spring | Hours |
|---|-------|---|-------|
| Senior (plan of study) electives ³ | 9 | CE 401 or 403 | 4 |
| COM 123 or 124 | 3 | Senior (plan of study) electives ³ | 9 |

| | | | |
|--|---|--|-----------|
| Humanities (HU), literature (L), or fine arts (FA) elective ^{1,4} | 3 | Humanities (HU), literature (L), or fine arts (FA) elective ^{1,4} | 3 |
| | | 15 | 16 |

Total Hours: 124

Footnotes

- ¹ 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.
- ² 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
- ³ 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.
- ⁴ 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 |
|--|--------------|
| Required Courses | |
| CE 320 Intro Environmental Engineerg | 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 |
| Approved Electives | |
| Courses must be an approved civil engineering senior (400-level) electives | 6 |
| Total Hours | 18-25 |

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 | 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 ^{1,4} | 3 |
| | 15 | | 15 |

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 ² | 4 | MATH 238 | 3 |
| GES 255 | 3 | PH 106 or 126 | 4 |
| | 16 | | 16 |

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 ⁵ | 3 | Engineering systems elective ⁵ | 3 |
| History (HI) or social and behavioral sciences (SB) elective ^{1,4} | 3 | History (HI) or social and behavioral sciences (SB) elective ^{1,4} | 3 |
| | 16 | | 15 |

Senior

| Fall | Hours | Spring | Hours |
|--------|-------|---------------|-------|
| CE 461 | 3 | CE 402 or 404 | 4 |
| CE 468 | 3 | CE 464 | 3 |

| | | |
|--|--|-----------|
| Senior (plan of study) elective ³ | 3 Senior (plan of study) electives ³ | 6 |
| COM 123 or 124 | 3 Humanities (HU), literature (L), or fine arts (FA) elective ^{1,4} | 3 |
| Humanities (HU), literature (L), or fine arts (FA) elective ^{1,4} | 3 | |
| 15 | | 16 |

Total Hours: 124

Footnotes

- ¹ 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.
- ² 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
- ³ 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.
- ⁴ 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.
- ⁵ 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 |
|-------------------------------|---|-----------|
| Minor Courses | | |
| CE 366 | Introduction to Construction Engineering | 3 |
| CE 461 or CE 462 | Horizontl Construction Methods Vertical Construction Methods | 3 |
| CE 463 or CE 468 | Construction Cost Estimating Construction Scheduling | 3 |
| CE 464 | Safety Engineering | 3 |
| Approved Electives | | |
| Select six hours ¹ | | 6 |
| Total Hours | | 18 |

Footnotes

- ¹ Courses must be an approved senior (400-level) electives. Students may take both CE 461 Horizontl 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 |
|---|-----------|
| Required Courses | 12 |
| CE 320 Intro Environmental Engineering | |
| CE 378 Water Resources Engineering | |
| CE 422 Solid And Hazardous Waste Mgt | |
| CE 425 Air Quality Engineering | |
| Electives | |
| Select a minimum of six approved civil engineering elective hours | 6 |
| Total Hours | 18 |

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 | | 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 ^{1,4} | 3 |
| | 15 | | 15 |

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 ² | | 4 CH 102 or 118 | 4 |
| | 16 | | 16 |

Junior

| Fall | Hours | Spring | Hours |
|---|--------------|---|-----------|
| CE 320 | | 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 ^{1,4} | 3 |
| History (HI) or social and behavioral sciences (SB) elective ^{1,4} | | 3 ME 215 or 216 | 3 |
| | 13-16 | | 16 |

Senior

| Fall | Hours | Spring | Hours |
|--|-------|--|-------|
| Senior (plan of study) elective ³ | | 3 CE 405 | 4 |
| CE 422 | | 3 Senior (plan of study) elective ³ | 6 |
| CE 424 | | 3 CE 420 | 3 |
| CE 475 | | 3 Humanities (HU), literature (L), or fine arts (FA) elective ^{1,4} | 3 |

| | | |
|--|----|----|
| Humanities (HU), literature (L), or fine arts (FA) elective ^{1,4} | 3 | |
| | 15 | 16 |

Total Hours: 122-125

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 |
|---------------------------------|-------|
| Minor Courses | |
| 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 |
|----------------------|-------|
| Minor Courses | |

| | | |
|--------|------------------------------|---|
| CE 350 | Intro. to Transportation Eng | 3 |
| CE 458 | Traffic Engineering | 3 |

Approved electives

Select a minimum of nine credit hours, which must be approved senior (400-level) electives

Total Hours 15

Department of Computer Science

Computer science is a multifaceted discipline that encompasses a broad range of topics. At one end of the spectrum, computer science focuses on the theoretical capabilities of computers and on the properties of various general problems and algorithms. At the other applications-oriented end of the spectrum, computer science deals with techniques for the design and construction of machines and with advanced applications of computers in all aspects of our society. Graduates of the program will be prepared for admission to graduate study or for immediate employment in business, industry, or government positions involving computer systems and techniques.

- Major
 - Computer Science, BS (p. 642)
 - Cyber Security, BS (p. 644)
- Minors
 - Computer Science (p. 645)
 - Computing Technology and Applications (p. 646)

Interim Department Head

- Susan V. Vrbsky

Professors

- David Brown
- Jeffrey Carver
- David Cordes
- Jeff Gray
- Yang Xiao

Associate Professors

- Monica Anderson
- Richard Borie
- Brandon Dixon
- Xiaoyan Hong

- John Lusth
- Randy Smith
- Jingyuan Zhang

Assistant Professors

- Travis Atkison
- Chris Crawford
- Zhe Jiang
- Aibek Musaev
- Dingwen Tao

Instructors

- Leslie Dixon
- Brandi Freeman
- Kathleen Morris
- Rebecca Odom-Bartel
- Marc Skipwith
- Maegan Slaten Biehn
- Jennifer Watson
- Kim Wright

Professor Emeritus

- Allen Parrish

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 V. Vrbsky

Professors

David Brown

Jeffrey Carver

David Cordes

Jeff Gray

Yang Xiao

Associate Professors

Monica Anderson

Richard Borie

Brandon Dixon

Xiaoyan Hong

John Lusth

Randy Smith

Jingyuan Zhang

Assistant Professors

Travis Atkison

Chris Crawford

Zhe Jiang

Aibek Musaev

Dingwen Tao

Instructors

Leslie Dixon

Brandi Freeman

Kathleen Morris

Rebecca Odom-Bartel

Marc Skipwith

Maegan Slaten Biehn

Jennifer Watson

Kim Wright

Professor Emeritus

Allen Parrish

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) ¹ | 4 | CS 101 or 111 (CS II for Majors) | 4 |
| CS 121 ² | 1 | MATH 126 | 4 |
| MATH 125 | 4 | EN 102 | 3 |
| ENGR 103 or 123 | 3 | HI/SB elective ³ | 3 |
| EN 101 | 3 | | |
| | | 15 | 14 |

Sophomore

| Fall | Hours | Spring | Hours |
|--|-------|---------------------------------------|--------------|
| CS 200 (Software Design and Engineering) | 4 | CS 201 (Data Structures & Algorithms) | 0 or 4 |
| ECE 380 | 4 | ECE 383 | 4 |
| MATH 301 | 3 | HU/L/FA elective ³ | 3 |
| HU/L/FA elective ³ | 3 | Approved Nat Science (N) Elective | 4 |
| | | 14 | 11-15 |

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 ³ | 3 | HI/SB elective ³ | 3 |
| Free elective | 3 | Free elective | 3 |
| | | 15 | 15 |

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 ³ | 3 | Computer Science elective - 400-level | 3 |
| Free elective | 3 | Free elective | 3 |
| | | 16 | 16 |

Total Hours: 116-120

Footnotes

- ¹ A student may substitute RRS 101 RRS Freshman 1 and RRS 102 RRS Freshman 2 for CS 100 CS I for Majors.
- ² CS 121 is recommended, but it may be substituted with ENGR 111 or any other engineering introductory course.
- ³ Students must complete a sequence of two of the HU/L/FA or HI/SB elective courses from the same department.

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. 622) on transfer courses.

Repeating Courses

Please see the College of Engineering policy (p. 623) 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 Biology II Laboratory | 1 |
| CH 101 or General Chemistry | 4 |
| CH 117 Honors General Chemistry | 4 |
| CH 102 or General Chemistry | 4 |
| CH 118 Honors 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 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 61

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.

| 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 |
| Total Hours | | 12 |

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 |
|------------------------|---|--------------|
| Minor Courses | | |
| CS 121 | The Discipline of Computing | 1 |
| CS 100 or CS 110 | CS I for Majors (CS I) Honors CS I for Majors | 4 |
| CS 101 or CS 111 | CS II for Majors (CS II for Majors) Honors CSII for Majors | 4 |
| 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 | | Hours |
|--------------------------|------------|--------------|
| MATH 125 | Calculus I | 4 |
| Total Hours | | 24 |

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 |
|---|-----------|
| Minor Courses | |
| CS 102 Computer Applications | |
| 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 285 Spreadsheet Applications | |
| CS 302 Database Applications | |
| CS 305 Adv. Comp. Database Systems | |
| CS 312 Website Design | |
| CS 322 Python Programming | |
| CS 340 Legal & Ethical Issues in Comp | |
| CS 345 Adv. Legal & Ethical Issues | |
| CS 385 Advanced Spreadsheet Appl | |
| CS 391 Special Topics ¹ | |
| Total Hours | 15 |

Footnotes

¹ 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 202 Web Foundations | 3 |
| CS 285 Spreadsheet Applications | 3 |
| CS 302 Database Applications | 3 |

| | | |
|--------|--------------------------------|---|
| CS 305 | Adv. Comp. Database Systems | 3 |
| CS 312 | Website Design | 3 |
| CS 322 | Python Programming | 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 traditional Electrical Engineering and in Computer 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. The 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, 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 would be 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. 649)
 - Computer Engineering, BS (p. 648)
 - Musical Audio Engineering, BS (p. 651)
 -
- Minor
 - Electrical Engineering (p. 651)

Department Head

- Haskew, Tim

Associate Department Head

- Ricks, Kenneth

Cudworth Professor of Electrical and Computer Engineering and Aerospace Engineering and Mechanics

- Gogineni, Prasad

E.A. Larry Drummond Endowed Chair of Computer Engineering

- Hong, Yang-Ki

Professors

- Balasubramanian, Bharat
- Cheng, Mark
- Haskew, Tim
- Hu, Fei
- Sazonov, Edward
- Suzuki, Takao

Associate Professors

- Abu Qahouq, Jaber
- Kim, Seongsin
- Kotru, Sushma
- Kung, Patrick
- Lemmon, Andrew
- Li, Dawen
- Li, Shuhui
- Ricks, Kenneth

Assistant Professors

- Freeborn, Todd
- Gan, Yu
- Gurbuz, Sevgi
- Jeong, Nathan
- Kisacikoglu, Mithat
- Song, Aijun
- Sun, Shunqiao
- Taylor, Andrew
- Yan, Stephen

Adjunct Professor

- Gupta, Su

Professor emeritus

- 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.

Prerequisite(s): PH 106 or PH 126, 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

E.A. Larry Drummond Endowed Chair of Computer Engineering

Hong, Yang-Ki

Professors

Balasubramanian, Bharat

Cheng, Mark

Haskew, Tim

Hu, Fei

Sazonov, Edward

Suzuki, Takao

Associate Professors

Abu Qahouq, Jaber

Kim, Seongsin

Kotru, Sushma

Kung, Patrick

Lemmon, Andrew

Li, Dawen

Li, Shuhui

Ricks, Kenneth

Assistant Professors

Freeborn, Todd

Gan, Yu

Gurbuz, Sevgi

Jeong, Nathan

Kisacikoglu, Mithat

Song, Aijun

Sun, Shunqiao

Taylor, Andrew

Yan, Stephen

Adjunct Professor

Gupta, Su

Professor emeritus

Morley, Lloyd A. "Pete"

Computer Engineering, BS

The Computer Engineering program is new beginning Fall 2019 and replaces the Computer Engineering Option under Electrical Engineering. This program gives students a broad knowledge of the software and hardware components of modern computing 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, 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.

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 \(p. 623\)](#) for details on the College of Engineering policy for repeating courses.

[Click here \(p. 623\)](#) 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 ^{1,2} | 3 | |

15 **14**

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 ^{1,2} | 3 |

15 **17**

Junior

| Fall | Hours | Spring | Hours |
|---|--------------|---|--------------|
| History (HI) or Social Behavioral Sciences (SB) Elective ^{1,2} | 3 | History (HI) or Social Behavioral Sciences (SB) Elective ^{1,2} | 3 |
| ECE 370 | 3 | ECE 332 | 4 |
| MATH 355 | 3 | ECE 326 | 3 |
| CS 101 | 4 | CS 201 | 4 |
| ECE 383 | 4 | | |

17 **14**

Senior

| Fall | Hours | Spring | Hours |
|--|--------------|---|--------------|
| Humanities (HU), Literature (L), or Fine Arts (FA) Elective ^{1,2} | 3 | History (HI) or Social Behavioral Sciences (SB) Elective ^{1,2} | 3 |
| ECE 333 | 4 | ECE Restricted Area Elective ³ | 3 |
| ECE 492 | 2 | ECE 494 | 2 |
| Select one of the following lecture/lab combinations | 4 | ECE Restricted Area Elective or Professional Elective ^{3,4} | 3 |
| ECE 408 & ECE 409 | | ECE 486 & ECE 487 | 4 |
| ECE 475 & ECE 476 | | | |
| ECE 480 & ECE 481 | | | |
| ECE 484 | 3 | | |

16 **15**

Total Hours: 123**Footnotes**

- ¹ Students must satisfy the College of Engineering in-depth requirement (minimum of six hours in one discipline).
- ² 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.

³ 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.

⁴ 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.

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. 623) for details on the College of Engineering policy for repeating courses.

Click here (p. 623) 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 (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 ^{1,2} | 3 | | |
| | 15 | | 14 |

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 ^{1,2} | 3 |
| | 15 | | 17 |

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 | PH 301, ECE 330, or ECE 455 | 3 |
| Humanities (HU), Literature (L), or Fine Arts (FA) Elective ^{1,2} | 3 | History (HI) or Social and Behavioral Sciences (SB) Elective ^{1,2} | 3 |
| | 17 | | 16 |

Senior

| Fall | Hours | Spring | Hours |
|---|-----------|---|-----------|
| ECE 340 | 4 | ECE Elective or Professional Elective ⁴ | 3 |
| ECE Restricted Area Elective ³ | 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 ^{1,2} | 3 | History (HI) or Social and Behavioral Sciences (SB) Elective ^{1,2} | 3 |
| | 16 | | 15 |

Total Hours: 125

Footnotes

- ¹ Students must satisfy the College of Engineering in-depth requirement (minimum of six hours in one discipline).
- ² 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.
- ³ 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.
- ⁴ 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 the student's department's required or technical electives options.

A student who is not a major in Electrical Engineering, the Computer Engineering option, or the Computer Engineering Program can earn a BS minor in Electrical Engineering by completing 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.

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. 623) for details on the College of Engineering policy for repeating courses.

Click here (p. 623) 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 engineering is the most versatile engineering program. Mechanical engineers pursue careers in a wide variety of industries, research laboratories, educational activities, and government agencies. Mechanical engineering graduates can become involved in research, design, and management in industries such as aerospace, automotive, energy conservation, precision engineering, railroad, heavy machinery, manufacturing, food/forest products, textiles, paper, consumer appliances, robotics, nuclear and fossil power plants, electronics, computer automation, agriculture, heating and air-conditioning, construction, transportation, and mining. A significant number of mechanical engineering graduates use mechanical engineering as the foundation for careers in business administration, law, medicine, and other professions. Many graduates are also accepted for advanced study in mechanical engineering, biomedical engineering, medicine, law, business administration, and dentistry.

- Major
 - Mechanical Engineering, BS (p. 654)
- Minor
 - Manufacturing (p. 653)
 - Mechanical Engineering (p. 656)

Mechanical Engineering 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 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 Supplemental Undergraduate Research Experience (SURE) 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 SURE 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 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, <http://coop.eng.ua.edu/>.

Professor and Department Head

- Jalili, Nader

Professor and Robert F. Barfield Endowed Chair

- Agrawal, Ajay K.

Associate Professors

- Ashford, Marcus
- Fonseca, Daniel
- Jordon, Brian
- Krishnan, Sundar Rajan
- Mahmoodi, Seyed Nima
- O'Neil, Zheng
- Puzinauskas, Paul
- Shen, Xiangrong
- Srinivasan, Kalyan Kumar
- Todd, Beth A.

- Williams, Keith
- Yoon, Hwan-Sik

Assistant Professor

- Allison, Paul G.
- Bittle, Joshua A.
- Cousin, Christian
- Kasemer, Matthew
- MacPhee, David W.
- Uddi, Mruthunjaya 'Jay'
- Vikas, Vishesh
- Volkov, Alexey
- Wang, Xuefeng

Professors

- Balasubramanian, Bharat, Executive Director, Center for Advanced Vehicle Technology
- Bell, Stuart, University of Alabama President
- Daniewicz, Steve
- Shepard, Steve
- Woodbury, Keith A.

Professors Emeriti

- Barfield, Robert F.
- Doughty, Julian O.
- Evces, Charles R.
- Harrisberger, Lee
- Kavanaugh, Steve
- Parker, Joey K.
- Taylor, Robert P

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

Properties of matter; processes in fluids; zeroth; first and second laws; irreversibility.

Prerequisite(s): MATH 126 or MATH 146 or MATH 132

[View All Courses](#)

Faculty

Professor and Department Head

Jalili, Nader

Professor and Robert F. Barfield Endowed Chair

Agrawal, Ajay K.

Associate Professors

Ashford, Marcus

Fonseca, Daniel

Jordon, Brian

Krishnan, Sundar Rajan

Mahmoodi, Seyed Nima

O'Neil, Zheng

Puzinauskas, Paul

Shen, Xiangrong

Srinivasan, Kalyan Kumar

Todd, Beth A.

Williams, Keith

Yoon, Hwan-Sik

Assistant Professor

Allison, Paul G.

Bittle, Joshua A.

Cousin, Christian

Kasemer, Matthew

MacPhee, David W.

Uddi, Mruthunjaya 'Jay'

Vikas, Vishesh

Volkov, Alexey

Wang, Xuefeng

Professors

Balasubramanian, Bharat, Executive Director, Center for Advanced Vehicle Technology

Bell, Stuart, University of Alabama President

Daniewicz, Steve

Shepard, Steve

Woodbury, Keith A.

Professors Emeriti

Barfield, Robert F.

Doughty, Julian O.

Evces, Charles R.

Harrisberger, Lee

Kavanaugh, Steve

Parker, Joey K.

Taylor, Robert P

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.

| Code and Title | Hours |
|--|--|
| Required | |
| GES 255 or GES 400 | Engineering Statistics I Engineering Statistics |
| MTE 271 | Engr Matls: Struc Prop |
| ME 383 | Modern Manufacturg Processes |
| ME 490 | Mechanical Engr Design II (or equivalent Capstone Design Experience) |
| Electives | |
| Take any two of the following courses. Courses outside of this approved list may be taken with proper petition and advisor's approval. | 6 |
| AEM 452 | Composite Materials |
| AEM 455 | Nondestructive Evaluation |
| AEM 481 | Complex Engineering Systems |
| CHE 493 | Process Dynamics & Control |
| EC 110 | Principles of Microeconomics (If not already taken as a HI/BS elective) |
| EC 112 | Honors Prin of Microeconomics |
| ME 421 | Reliability & Maint. Engr. |
| ME 577 | Advanced Linear Control |
| MTE 416 | Fund. of Metal Casting |
| MTE 439 | Metallurgy Of Welding |
| MTE 449 | Powder Metallurgy |
| MTE 491 | Special Problems (requires pre-approval and must be taken for related topics such as Failure of Engineering Materials or Additive Manufacturing) |
| Total Hours | 18 |

Mechanical Engineering, BS

Mechanical engineering appeals to students who are interested in applying their solid backgrounds in math and physical sciences to understand, design, test, and build real-world devices and processes for the improvement of society. Many ME students delight in hands-on design, test and building experiences.

Students will develop an ability to apply 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.

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
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.

Freshman

| Fall | Hours Spring | Hours |
|---|------------------------------------|-----------|
| CH 101 or 117 OR CH 100 | 4 MATH 126 or 145 PH 105 or 125 | 4 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 | |
| | 15 | 15 |

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 ² | 4 MTE 271 | 3 |
| | 18 | 15 |
| Junior | | |
| Fall | Hours Spring | Hours |
| AEM 250 | 3 ME 350 | 3 |
| AEM 251 | 1 ME 360 | 3 |
| ECE 320 | 3 ME 372 | 3 |
| ME 309 | 3 ME 383 | 3 |
| ME 349 | 3 Approved mechanical engineering elective ³ | 3 |
| Humanities (HU), literature (L), or fine arts (FA) elective or history (HI) and/or social behavioral sciences (SB) elective | 3 | |
| | 16 | 15 |
| Senior | | |
| Fall | Hours Spring | Hours |
| ME 450 | 3 ME 490 | 3 |
| ME 460 | 4 Approved mechanical engineering or technical elective ^{3,4} | 3 |
| ME 489 | 3 Approved mechanical engineering elective ³ | 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 |
| | 16 | 15 |

Total Hours: 125

Footnotes

- ¹ 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.
- ² Approved science electives are taken from an approved list available from the department.
- ³ 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.
- ⁴ 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.

Balasubramanian, Bharat

Daniewicz, Steve

Shen, Xiangrong

Shepard Jr., W. Steve

Woodbury, Keith A.

Associate professors

Allion, Paul G.

Amini, Shahriar (Sean)

Ashford, Marcus D.

Bittle, Joshua A.

Fonseca, Daniel J.

Jordon, J. Brian

Khandelwal, Bhupendra

Krishnan, Sundar Rajan

Mahmoodi, S. Nima

Momeni, Kasra

Puzinauskas, Paulius V.

Srinivasan, Kalyan Kumar

Todd, Beth Ann

Volkov, Alexey N.

Williams, Keith A.

Yoon, Hwan-Sik

Assistant professors

Cousin, Christian A.

Davami, Keivan

Kasemer, Matthew

Kim, Hyun Jin

MacPhee, David W.

Martelli, Dario

Uddi, Mruthunjaya (Jay)

Vikas, Vishesh

Wang, Xuefeng

Instructors

Carpenter, Joseph P.

Newman, Frank

Adjunct assistant professor

Rasoulzadeh, Mojdeh

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****Required Courses:**

| | | |
|---------|------------------------------|---|
| 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 |

Six credits from the following:**6**

AEM 264 Dynamics

AEM 311 Fluid Mechanics

MTE 271 Engr Matls: Struc Prop

ME elective (not listed above)

Total Hours**19**

Faculty

Professors

Jalili, Nader, Department Head

Agrawal, Ajay K.

Balasubramanian, Bharat

Daniewicz, Steve

Shen, Xiangrong

Shepard Jr., W. Steve

Woodbury, Keith A.

Associate professors

Allion, Paul G.

Amini, Shahriar (Sean)

Ashford, Marcus D.

Bittle, Joshua A.

Fonseca, Daniel J.

Jordon, J. Brian

Khandelwal, Bhupendra

Krishnan, Sundar Rajan

Mahmoodi, S. Nima

Momeni, Kasra

Puzinauskas, Paulius V.

Srinivasan, Kalyan Kumar

Todd, Beth Ann

Volkov, Alexey N.

Williams, Keith A.

Yoon, Hwan-Sik

Assistant professors

Cousin, Christian A.

Davami, Keivan

Kasemer, Matthew

Kim, Hyun Jin

MacPhee, David W.

Martelli, Dario

Uddi, Mruthunjaya (Jay)

Vikas, Vishesh

Wang, Xuefeng

Instructors

Carpenter, Joseph P.

Newman, Frank

Adjunct assistant professor

Rasoulzadeh, Mojdeh

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. 658)
- Minor
 - Metallurgical Engineering (p. 658)

Associate Dean for Undergraduate and Graduate Programs

- Viola L. Acoff

Department Head

- Steven Daniewicz

Departmental Graduate Program Coordinator

- Lin Li

Departmental Undergraduate Program Director

- Luke Brewer

Professors

- Acoff, Viola L.
- Gupta, Subhadra
- Ramana Reddy

- Suzuki, Takao
- Thompson, Gregory B.
- Warren, Garry W.
- Weaver, Mark L.

ACIPCO Professor

- Reddy, Ramana G.

Associate Professor

- Brewer, Luke N.
- Nastac, Laurentiu
- Ruigang Wang

Assistant Professor

- Gregory Kubacki
- Nilesh Kumar
- Li, Lin
- Yan, Feng

Professor Emeriti

- Doru Stefanescu
- Warren, Garry W.

Adjunct Faculty

- Mruthunjaya (Jay) Uddi

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

Associate Dean for Undergraduate and Graduate Programs

Viola L. Acoff

Department Head

Steven Daniewicz

Departmental Graduate Program Coordinator

Lin Li

Departmental Undergraduate Program Director

Luke Brewer

Professors

- Acoff, Viola L.
- Gupta, Subhadra
- Ramana Reddy
- Suzuki, Takao
- Thompson, Gregory B.
- Warren, Garry W.

Weaver, Mark L.

ACIPCO Professor

Reddy, Ramana G.

Associate Professor

Brewer, Luke N.

Nastac, Laurentiu

Ruigang Wang

Assistant Professor

Gregory Kubacki

Nilesh Kumar

Li, Lin

Yan, Feng

Professor Emeriti

Doru Stefanescu

Warren, Garry W.

Adjunct Faculty

Mruthunjaya (Jay) Uddi

Metallurgical & Materials Engineering, Minor

Minor in Metallurgical & 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 |
|---|--|-------|
| Required Courses: | | |
| MTE 271 | Engr Matls: Struc Prop | 3 |
| MTE 373 | Physical Metallurgy | 4 |
| Elective Core (select at least 4): | | |
| 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 416 | Fund. of Metal Casting | 4 |
| 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. 623) for the details regarding the College of Engineering policy on repeating courses and residency.

Freshman

| Fall | Hours | Spring | Hours |
|---|-------|-----------|-------|
| CH 101 | 4 | CH 102 | 4 |
| EN 101 | 3 | EC 110 | 3 |
| MATH 125 | 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 | | |
| 16 | | 14 | |

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 |
| 17 | | 17 | |

Junior

| Fall | Hours | Spring | Hours |
|---------|-------|---------|-------|
| ECE 320 | 3 | MTE 353 | 3 |

| | | | |
|-------------------------------|---|---|--------|
| MTE 373 | 4 | MTE 416 | 0 or 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 |
| 16 | | 13-17 | |

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 |
| 14 | | 15 | |

Total Hours: 122-126

Footnotes

- ¹ A list of acceptable science and math electives is available in the metallurgical and materials engineering department's office.
- ² 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 Engineering Positive and Intentional Change (EPIC) Minor is a recognized partner program of the Honors College. The Scholars Program's mission centers on developing a diverse network of engineering and computer science leaders who advocate for diversity, equity, and inclusion 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 and associated minor will adopt 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.

Admission and Retention

Admission in 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 is seeking 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 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 |
| 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 | 18 |

College of Human Environmental Sciences

Department of Clothing, Textiles and Interior Design (p. 663)

Department of Consumer Sciences (p. 666)

Department of Health Science (p. 670)

Department of Human Development and Family Studies (p. 672)

Department of Human Nutrition and Hospitality Management (p. 677)

Human Environmental Sciences, BS (p. 682)

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. 347) 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 310 Issues Human Environ Sciences for all students and HES 100 Freshman Compass Human Env Sci for new freshmen on campus HES 103 Distance Compass HES for new online freshmen).
- 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.
- At least 30 semester credit hours earned through The University of Alabama (UA) in 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

Deidre Leaver-Dunn

Assistant Dean

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 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

Angelia Paschal

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

Schaefer, Kelly

Wilson, Andrea

Wingo, Kelly

Professors

Birch, David

Hernandez-Reif, Maria

Turner, Lori

Wright, Kenneth E.

Associate Professors

Burns-Nader, Sherwood

Crowe-White, Kristi

Ellis, Amy

Knol, Linda
 Knowlden, Adam
 Koontz, Marcy
 Molaison, Elaine
 Nickelson, Joyce
 Paschal, Angelia
 Ross, Levi
 Scofield, Jason
 Severt, Kimberly
 Thompson, Amanda
 Tong, Xiao (Michelle)
 Totenhagen, Casey
 Witte, Tricia

Assistant Professors

Azrad, Maria
 Banse, Holland
 Berryhill, Blake
 Blitch, Kimberly
 Boyle, Kimberly
 Burton, Wanda
 Casper, Deborah
 Chen, Shatina
 Choi, Shinae
 Douglas, Joy
 Downs, Karly
 Ellis, Amy
 Eke, Ransome
 Gajos, Jamie
 Gordon, Brian
 Hale, Michelle
 Hibberd, Elizabeth
 Hylton, Tiffany
 Jaiswal, Jessica
 Jung, Seung Eun
 Kim, Haemi
 Kim, Kyoung Tae
 Kong, Lingyan
 Komara, Cecile
 L'Esperance, Madelaine
 Larson, Rebecca
 Lewis, Melvin
 Love, Heather
 McGahey, Courtney

McMath, Juanita
 Maki, Kristin
 Moran, Ryan
 Niu, Alvin
 Park, Han-A
 Pentecost, Eve
 Reddoch, Kym
 Shin, Yeon Ho
 Stebbins, Richard
 Stran, Kim
 Tan, Libo
 Wallace, Jessica
 Watkins, Kimberly
 Weymouth, Bridget
 Wilkerson, Amanda
 Wimberley, Virginia
 Zemke, Jeri

Instructors

Blakey, Carla
 Blumenthal, Jason
 Bridgewater, Diane
 Crawford, Ian
 DeSalvo, Denise
 Davis, Barbara
 Faulkner, Cassandra
 Greene, Lori
 Harcrow, Michelle
 Harcrow, Andy
 Jones, Hunter
 Lee, Michelle
 McMahan, Shannon
 Milstead, Morgan
 Reynolds, Lesley
 Robinson, Paula
 Rose, Michelle
 Self, Lauri
 Taylor, Brian
 Thornton, Darryl

Emeritus

Abdel-Ghany, Mohamed
 Balentine, Margaret
 Bolland, John
 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
 Neggers, Yasmin
 Parker, Sue
 Peebles, Vicki
 Price, Barrie Jo
 Roper, Lydia
 Stinnett, Nancy
 Stinnett, Nick
 Stitt, Kathleen
 Strickland, Martha
 Switzer, Mildred
 Tingle, Carroll

Department of Clothing, Textiles and Interior Design

- Majors
 - Interior Design, BS (p. 665)
 - Apparel and Textiles, BS (p. 664)

Chair

- Foster, Shirley P.

Assistant Professor

- Foster, Shirley P.
- Maki, Kristin
- Peaslee, John E.
- Tong, Michelle
- Wimberley, Virginia S.

Instructors

- Davis, Babs
- Faulkner, Cassandra M.
- Robinson, Paula H.
- Rose, Michelle
- Self, Lauri
- Taylor, Brian

Associate Professor

- Koontz, Marcy L.
- Thompson, Amanda

Adjuncts

- Kissinger, Beverly
- McLelland, Jonathan
- Reaves, Lindsey D

Office Staff

- Donna McGee

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 Interior Design

Hours 3

Introduction to the functional and aesthetic requirements of lifespaces, with emphasis on user needs and the home environment. Usually offered in summer school.

[View All Courses](#)

Faculty

Chair

Foster, Shirley P.

Assistant Professor

Foster, Shirley P.

Maki, Kristin

Peaslee, John E.

Tong, Michelle

Wimberley, Virginia S.

Instructors

Davis, Babs

Faulkner, Cassandra M.

Robinson, Paula H.

Rose, Michelle

Self, Lauri

Taylor, Brian

Associate Professor

Koontz, Marcy L.

Thompson, Amanda

Adjuncts

Kissinger, Beverly

McLelland, Jonathan

Reaves, Lindsey D

Office Staff

Donna McGee

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.

307 Doster Hall

The Apparel and Textiles (AT) major offers two concentrations: Fashion Retailing and Apparel Design.

Students in both AT concentrations must take:

- 18 hours of common courses
- 39 hours of coursework for apparel design **or** 42 or 43 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 CTD 415 History Of Costume History Textile Design | 3 |
| EC 110 Principles of Microeconomics | 3 |
| MKT 300 Marketing | 3 |
| Total Hours | 18 |

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 faculty adviser 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 Cult Dynam Apparel Text | 3 |
| CTD 450 Advanced Apparel Design | 4 |
| CTD 461 Quality Control for Textiles | 3 |
| Art history (FA) | 6 |
| Total Hours | 45 |

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 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 CSM 461 | Org Theory & Behavior Manag in High Perf Org | 3 |
| 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 | |

Total Hours **53**

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 Sigrud 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 |
|---|---|-------|
| Required Courses | | |
| ART 110 | Drawing I | 3 |
| ART 131 | 3D Design | 3 |
| CTD 102 | Applied Design | 3 |
| CTD 121 | Intro 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 | Matl Source Int Design | 3 |
| CTD 225 | Residnt Des/Graphic Comm | 3 |
| CTD 226 | Nonresidential Design | 3 |
| CTD 250 | Construction Procedure for INT | 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 Interio | 4 |

| | | |
|--------------------|----------------------------------|-----------|
| CTD 328 | Prof Procd Interior Des | 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 |
| Total Hours | | 70 |

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 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 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 Interio, 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 adviser 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. 669)
 - Conflict Resolution (p. 668)
 - Consumer Sciences (p. 669)
 - Personal Finance (p. 670)
 -
 -

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.

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 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.

Dean

- Usdan, Stuart

Chair

- Nielsen, Robert

Professor

- Nielsen, Robert

Associate professors

- Kim, Kyoung Tae
- Wilmarth, Melissa

Assistant professors

- Choi, Shinae
- Clement, Gary
- Hale, Michelle
- Jurgenson, Jesse
- L'Esperance, Madelaine
- McGahey, Courtney L.
- McMath, Juanita
- Men, Fei
- Pentecost, Eve
- Reddoch, Kym
- Stebbins, Richard
- Watkins, Kimberly

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.

CSM116 Quantitative Methods of Finance

Hours 3

This three-credit hour course is intended to develop mathematical fluency within the context of financial planning/literacy. It is broad in scope and content rather than specific to a particular discipline, is an introduction to the basic tools and techniques necessary for the development of a successful personal financial plan over one's life span and emphasizes the use of mathematical techniques as a tool for analysis. CSM 116 includes topics such as real and nominal rates of return, probability, and algebra functions. An emphasis is placed on mathematical reasoning in solving financial problems. It uniquely serves as a course for students not intending to pursue further study in mathematics, science, or engineering, but for students who will be able to utilize mathematical tools to make sound financial decisions. Students will apply practical skills by setting and reaching financial goals as elements of an integrated system, manipulation of quantitative data, calculating future financial needs, and using mathematical induction formulas and tools to determine predictability of expected outcomes. The course commences with money management and credit use, progresses to investments, insurance, retirement planning, and culminates in wealth accumulation and estate planning as the basis for mathematical problem solving exercises. CSM 116 is designed to provide a foundation both for further study and for personal enrichment. Grades are reported as A, B, C, or NC (No Credit).

Prerequisite(s): MATH 100

[View All Courses](#)

Faculty

Dean

Usdan, Stuart

Chair

Nielsen, Robert

Professor

Nielsen, Robert

Associate professors

Kim, Kyoung Tae

Wilmarth, Melissa

Assistant professors

Choi, Shinae

Clement, Gary

Hale, Michelle

Jurgenson, Jesse

L'Esperance, Madelaine

McGahey, Courtney L.

McMath, Juanita

Men, Fei

Pentecost, Eve

Reddoch, Kym

Stebbins, Richard

Watkins, Kimberly

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 | |
| Total Hours | 15 |

Consumer Sciences, BS

Office: 316 Adams Hall

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

Must earn a C- or higher in all required CSM major courses

| Required for all CSM Majors | | 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 401 | Consumer Protection | 3 |
| CSM 405 | Public Policy | 3 |
| ST 260 or | Statistical Data Analysis | 3 |
| BER 345 | Educational Statistics | |
| CSM 381 or | Consumer Marketing Management | 3 |
| MKT 300 | Marketing | |
| Total Hours | | 21 |

Family Financial Planning and Counseling Concentration

All concentration area courses require C- or higher.

| Family Financial Planning and Counseling Concentration | | Hours |
|--|--------------------------------|-----------|
| AC 210 or | 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 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 |
| HD 462 or | Interpersonal Relationships | 3 |
| HD 262 or | Marriage And Family | |
| TH 113 or | Voice And Diction | |
| COM 123 | Public Speaking | |
| Total Hours | | 32 |

| Recommended Courses | | Hours |
|---------------------|------------------------|-------|
| CSM 390 | Field Experience | 1-6 |
| CSM 451 | Consumer Demographics | 3 |
| CSM 461 | Manag in High Perf Org | 3 |

Consumer Affairs Concentration

All concentration area courses require C- or higher.

| Consumer Affairs Concentration | | Hours |
|--------------------------------|--------------------------------|-----------|
| CSM 403 | Consumer Economics | 3 |
| CSM 415 | Customer Service Management | 3 |
| CSM 425 | Conflict Resolution Workplace | 3 |
| CSM 437 | Developing The Leader Within | 3 |
| CSM 441 | Consumer Communications | 3 |
| CSM 445 | Applied Digital Tools | 3 |
| Select from the following: | | |
| CSM 480 or | E-Commerce | 3 |
| CSM 435 | Psychology Of Money | |
| CSM 451 or | Consumer Demographics | 3 |
| CSM 459 | Tech of Counsl in Cons Science | |
| CSM 430 or | Family & Consumer Law | 3 |
| CSM 440 | Max Social Media Mktg | |
| CSM 455 or | Research Methods and Analysis | 3 |
| CSM 461 | Manag in High Perf Org | |
| Total Hours | | 30 |

| Recommended General Elective | | Hours |
|------------------------------|------------------|-------|
| CSM 390 | Field Experience | 1-6 |

Consumer Affairs Concentration

- Customer care and engagement specialist
- Consumer insights analyst
- Customer service manager
- State/local consumer advocate
- Advertising copywriter/editor
- Public relations/consumer engagement
- Advertising account executive
- Content creator
- Product development specialist
- Entrepreneur
- Consumer counseling
- Human resource representative
- Sales representative
- Law student
- Graduate student

Financial Planning and Counseling Concentration

- Financial planner
- Financial counselor
- Bank/credit union staff
- Accounting office staff
- Employee benefits representative
- Insurance consultant/sales
- Retirement planner
- Cooperative Extension agent
- Credit counselor
- Estate planning professional

- Law student
- Graduate student

Learn more about opportunities in this field at the Career Center

Consumer Sciences, Minor

Office: 316 Adams Hall

The Consumer Sciences Minor

The consumer sciences minor is available only to students outside the Department of Consumer Sciences. Eighteen hours are required, including 1) CSM 201 Indiv Family Resourc Mgt, 2) CSM 204 Intro Personl Finan Plan or CSM 205 Honors Intro to Personal Financial Planning, 3) CSM 303 Introduction to Consumer Economics or CSM 403 Consumer Economics, 4) CSM 381 Consumer Marketing Management, 5) CSM 401 Consumer Protection, and 6) CSM 405 Public Policy.

| 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 405 | Public Policy | 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 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 | Introduction to Digital Tools | 3 |
| CSM 440 | Max Social Media Mktg | 3 |
| CSM 441 | Consumer Communications * | 3 |
| CSM 443 or | Consumer Cybersecurity | 3 |
| CSM 381 | Consumer Marketing Management | |
| CSM 445 | Applied Digital Tools * | 3 |
| CSM 447 | Advanced Digital Tools | 3 |

*may also count towards CA Concentration

Total Hours **18**

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. 671)
- Minor
 - Athletic Training (p. 672)

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
- Paschal, Angelia
- Ross, Levi

Assistant Professors

- Eke, Ransone
- Gordon, Brian
- Jaiswal, Jessica
- Larson, Rebecca
- Moran, Ryan
- Wallace, Jessica
- Zemke, Jeri

Instructor

- Harcrow, Andy

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

Paschal, Angelia

Ross, Levi

Assistant Professors

Eke, Ransone

Gordon, Brian

Jaiswal, Jessica

Larson, Rebecca

Moran, Ryan

Wallace, Jessica

Zemke, Jeri

Instructor

Harcrow, Andy

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 courses 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. 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 54 must be in the major. Of the 54 hours of coursework in the major, 18 should be completed in one of two concentrations: Health Education and Promotion or Health Professions.

| Public Health, BHL | | Hours |
|------------------------------|--------------------------------|-------|
| Major Requirements | | |
| 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 |
| Total Hours | | 51 |

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 Communty Hlth | 12 |
| Total Hours | | 18 |

Health Professions Concentration

Requirements for the Health Professions Concentration are listed below.

| Code and Title | Hours | |
|---|-------------------------------|----------|
| HHE 385 | Intro Patient Educ | 3 |
| HHE 467 | Design Eval Health Promo | 3 |
| 9 hours from among the following health elective list: | | 9 |
| HHE 265 | Safety and Injury Prevention | |
| HHE 440 | Understanding Stress Mgt | |
| ATR 272 | First Aid, Safety & CPR | |
| 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 | Abnormal Psychology | |

| Culminating Experience | | 3 |
|-------------------------------|--------------------------------|-----------|
| Select 1 of the following: | | |
| HHE 480 | Culminating Experience in P.H. | |
| HHE 485 | Service Learning in Hlth Promo | |
| HHE 496 | Independent Study | |
| Total Hours | | 18 |

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.

| Course | | Hours |
|--------------------|--------------------------------|-----------|
| ATR 258 | Clinical Fundamentals | 1 |
| ATR 272 | First Aid, Safety & CPR | 1 |
| ATR 300 | Foundations in AT | 3 |
| ATR 305 | Clinical Biomechanics | 3 |
| ATR 312 | Healthcare Teams | 2 |
| ATR 405 | Injury Psychology | 3 |
| ATR 432 | Applied Performance Physiology | 3 |
| HD 203 | Medical Terminology | 2 |
| Total Hours | | 18 |

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. 674)
 - Human Development and Family Studies, BS (p. 675)
 - Addiction and Recovery Studies, BS (p. 673)
- Minors
 - Human Development and Family Studies (p. 676)
 - Addiction and Recovery Studies (p. 673)

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 |
|--|-----------|
| Minor Courses | |
| 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 Abnormal Psychology | |
| CJ 240 Juvenile Delinquency | |
| 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 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. 341) 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 |
|---|-----------|
| University Core Requirements | |
| 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 |
| Total Hours | 10 |

Addiction and Recovery Studies Major Requirements

| Code and Title | Hours |
|--|-----------|
| HD 210 Understanding Addiction | 3 |
| HD 302 Child Dev-Adolescence | 3 |
| HD 325 Probs Child/Adol | 3 |
| PY 358 Abnormal Psychology | 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 |
| HHE 378 Drugs, Society, & Human Behav | |
| SW 414 Chemical Dependency | |
| Choose one of the following: | |
| HD 220 Research & Critical Thinking | |
| PY 211 Elem Statistical Methods | |
| BER 345 Educational Statistics | |
| Elective (Choose one) | 3 |
| SW 210 Family & Child Welfare | |
| CJ 240 Juvenile Delinquency | |
| CJ 225 Community Based Corrections | |
| HY 378 Drugs, Booze, and Mexican Society | |
| Field Experience | |
| HD 499 Intern Addiction | 6 |
| Total Hours | 45 |

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 BSC 109 Intro Biology Non Maj II | 4 |
| HD 101 Life Span Human Development | 3 |
| PY 101 Intro To Psychology | 3 |
| Total Hours | 10 |

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 |
|---------------------------------------|-----------|
| University Core Requirements | |
| BSC 114 Principles Of Biology I | 4 |
| & BSC 115 or and Laboratory Biology I | |
| BSC 109 Intro Biology Non Maj II | |
| HD 101 Life Span Human Development | 3 |
| PY 101 Intro To Psychology | 3 |
| Total Hours | 10 |

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 |
| Total Hours | 42 |

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.

Concentrations

Concentration in Adolescence and Youth Development

| Code and Title | Hours |
|--|-----------|
| Required Courses | |
| 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 |
| Total Hours | 27 |

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 |
|--------------------------------------|-----------|
| Required Courses | |
| 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 |
| Total Hours | 27 |

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 |
|-----------------------------------|-------|
| Required Courses | |
| HD 203 Medical Terminology | 2 |
| HD 226 Introduction To Child Life | 3 |
| HD 326 Play in Child Development | 3 |
| HD 401 Cult Infl 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 | 4 |
| BSC 216 Human Anatomy & Physiology II | 4 |

Total Hours 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 |
|--|-----------|
| Minor Courses | |
| 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. 341) 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. 678)
 - Hospitality Management (BS) (p. 681)
- Minor
 - Food and Nutrition (p. 680)

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

Professor

- Wright, Ken

Associate Professors

- Crowe-White, Kristi
- Ellis, Amy
- Knol, Linda
- Lawrence, Jeannine
- Molaison, Elaine
- Severt, Kimberly

Assistant Professors

- Azrad, Maria
- Boyle, Kimberly
- Chen, Hsiangting "Shatina"
- Douglas, Joy
- Lewis, Melvin
- Hylton, Tiffany
- Jung, Seung Eun
- Kim, Haemi
- Kong, Lingyan
- Niu, Alvin
- Park, Han-A
- Shin, Yeon Ho
- Stran, Kimberly
- Tan, Libo

Instructors

- Blakey, Carla
- Blumenthal, Jason
- Bridgewater, Diane
- 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

Professor

Wright, Ken

Associate Professors

Crowe-White, Kristi

Ellis, Amy

Knol, Linda

Lawrence, Jeannine

Molaison, Elaine

Severt, Kimberly

Assistant Professors

Azrad, Maria

Boyle, Kimberly

Chen, Hsiangting "Shatina"

Douglas, Joy

Lewis, Melvin

Hylton, Tiffany

Jung, Seung Eun

Kim, Haemi

Kong, Lingyan

Niuh, Alvin

Park, Han-A

Shin, Yeon Ho

Stran, Kimberly

Tan, Libo

Instructors

Blakey, Carla

Blumenthal, Jason

Bridgewater, Diane

DeSalvo, Denise

Greene, Lori

McMahon, Shannon

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 |
|-------------------------|---|-------|
| Required Courses | | |
| 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 ¹ 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 |
| Total Hours | | 82 |

Footnotes

- ¹ 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 |
| Total Hours | | 32 |

- 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 Commn 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 |
| Total Hours | | 18 |

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 |
| Total Hours | | 26 |

- 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 Chem PY 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 an *overall* GPA of 3.0 or higher.
- must 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;
- must earn a minimum of **B-** or higher in all "NHM designated" food and nutrition courses including BER 345 Educational Statistics (or equivalent).
- may only have a total of 2 retakes in one "DPD Professional Course (NHM designated and BER 345, or 1 retake in up to two different DPD Professional Courses (excluding original attempt) to earn the required grade.
- must complete the courses required for the DPD, and/or complete a bachelor's degree

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 & BSC 115 and Laboratory Biology I | 4 |
| BSC 116 Principles Biology II & BSC 117 and Biology II Laboratory | 4 |
| 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 |
| Total Hours | 28 |

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 |
|---|-----------|
| Minor Courses | |
| 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 |
| Total Hours | 18 |

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 Profes | 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. Ability to work with diverse personalities, solve conflicts, and provide innovative leadership are key to a graduate's success. This growing industry demands flexible hours from employees.

Office: 403 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 practicum or internship in a hospitality organization. Students may also select a concentration in:

- Restaurant/Food and Beverage Management
- Hotel/Lodging
- Meetings and Events
- Sport, Entertainment and Event Management

Students completing a minor outside of the Hospitality Management program are not required to choose a concentration. Students may complete requirements for the Manage First Professional (MFP) certification available from the Educational Foundation of the National Restaurant Association and/or the Certified Hospitality Supervisor (CHS) certification or the Certification in Hotel Industry Analytics (CHIA) available from the Educational Institute of the American Hotel and Lodging Association.

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 the 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 274 | Hospitality Basic Accounting | 3 |
| RHM 303 | Managing Qual in Hosp Industry | 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 |
| CSM 204 or | Intro Personl Finan Plan | 3 |
| CSM 205 | Honors Intro Pers Finan Plan | |
| Hospitality Management concentration courses | | 15-19 |
| Hospitality Management (RHM) or other electives | | 13-17 |
| Total Hours | | 63-71 |

| Distance Hospitality Management Program | | Hours |
|---|--------------------------------|-----------|
| RHM 175 | Intro to Hospitality Mgt | 3 |
| RHM 185 | Intro Meetings Events Ind | 3 |
| RHM 241 | Mgt Of Food/Beverage Operation | 3 |
| NHM 250 | Principles of Food Preparation | 3 |
| RHM 251 | Hospitality Employee Suprv/Mgt | 3 |
| RHM 274 | Hospitality Basic Accounting | 3 |
| RHM 303 | Managing Qual in Hosp Industry | 3 |
| RHM 321 | Tourism & Hospitality Industry | 3 |
| RHM 325 | Lodging Operations & Managemnt | 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 |
| CSM 204 | Intro Personl Finan Plan | 3 |
| Total Hours | | 50 |

Food and Beverage Management Concentration

| Code and Title | Hours | |
|--------------------|--------------------------------|-----------|
| RHM 375 | Managing Catering Operations | 3 |
| RHM 377 | Restaurant Management & Servic | 3 |
| RHM 420 | Hospitality Marketing | 3 |
| RHM 465 | Food And Beverage Controls | 3 |
| RHM 478 | Mgt Service Food Bev Operation | 3 |
| Total Hours | | 15 |

Hotel/Lodging Concentration

| Code and Title | Hours |
|---|-----------|
| RHM 325 Lodging Operations & Managemnt | 3 |
| RHM 375 Managing Catering Operations | 3 |
| RHM 420 Hospitality Marketing (or RHM 370 or MKT 300) | 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 Meetings Events Ind | 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 |
| Total Hours | 18 |

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 Mkting and Promotion | 3 |
| RHM 436 Curr Trends Sport Mgmt Ent | 3 |
| Total Hours | 18 |

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 Human Environmental Sciences at The University of Alabama are:

- An approved program of study prior to the completion of 100 hours and in accordance with the CHES 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 35 hours of coursework offered by the College of Human Environmental Sciences, including the Human Environmental Sciences core courses (HES 310 Issues in Human Environmental Sciences for all students, HES 100 Freshman Compass Human Environmental Sciences for new freshmen on campus / HES 103 Distance Compass HES for new online students) and 15 hours of 300-400 level courses.
- 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
- At least 35 semester credit hours earned through The University of Alabama (UA) in 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 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. 688)
 - Nursing, RN to BSN (p. 687)

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. 684) to the Capstone College of Nursing.

Hours and Grade Points

The student must complete a minimum of 126 hours¹ 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

¹ Any reference to hours indicates semester hours unless otherwise noted.

CPR Certification

Evidence of current certification as a professional-level provider of cardiopulmonary resuscitation (CPR) is required for registration in all clinical nursing courses. Students are responsible for obtaining and maintaining current CPR certification while enrolled in the Capstone College of Nursing. Certification must be renewed annually.

Verification of Health Status

A health form must be completed prior to matriculation in the upper division and prior to beginning senior-level courses if the student's health status has changed. The health form must be completed by a licensed physician or a certified nurse practitioner. Students must also present documentation of immunization against hepatitis B and other specified communicable diseases throughout their enrollment in the upper division of the Capstone College of Nursing.

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. 355) section of this catalog. Transfer students are encouraged to seek advisement from the Capstone College of Nursing Office of Nursing Student Services. Knowledge of policies and procedures is the student's responsibility. Detailed policies and procedures are contained in the Capstone College of Nursing student handbook, which is available at http://nursing.ua.edu/start_page.htm. Students are notified of any policy changes. It is the student's responsibility to abide by the most recently published or posted policies and procedures. An official, current copy of the handbook is available in the office of the Assistant Dean of Undergraduate Programs.

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.

Upon progression to the upper division, permission to depart from the clinical sequence must be obtained from the Assistant 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.

Withdrawal from the First Clinical Nursing Course

Any student who withdraws from or does not successfully complete the first clinical nursing course in the upper division must contact

the Assistant Dean of Undergraduate Programs to be considered for placement in the course the next semester. The student will be placed in the course on a space-available basis only. Before considering placement of any students who have not succeeded in the course, preference for spaces will be given to those applicants who meet all promotion criteria and who have not previously been promoted. If space becomes available for a student's reassignment to the course, a second unsuccessful attempt or withdrawal by that student in any other clinical course will result in academic suspension from the Capstone College of Nursing.

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 Assistant 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.

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 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.

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.

Prerequisites

Many lower division courses have specific prerequisites. See course descriptions for prerequisites or contact the Office of Nursing Student Services for detailed information.

Policies Governing Progression and Graduation

Upon promotion to the upper division, students progress to clinical nursing courses in the established sequence. If a student's progression is interrupted for any reason, it is the student's responsibility to contact the Assistant Dean of Undergraduate Programs to request consideration for reassignment. Because spaces in clinical courses are limited, any alteration of the usual progression may lengthen the student's program of study.

To be eligible for the degree of Bachelor of Science in Nursing, a candidate must show successful completion of the courses required in the nursing program of study and complete a minimum of 32 semester hours at The University of Alabama.

Academic Probation and Suspension

The general academic scholarship rules of the University apply to students enrolled in the Capstone College of Nursing; however, any written agreements entered into by students and the dean of the College take precedence over the University's general rule. See the Academic Records and General Academic Policies (p. 27) section of this catalog for further details.

Any student who receives a second D or F in any nursing course, or in any combination of nursing courses, will be academically suspended from the Capstone College of Nursing. Any student who withdraws from a second nursing course will be academically suspended. Any student who withdraws from a course and who receives a D or F in any nursing course or in any combination of nursing courses will be academically suspended.

Readmission of Academically Suspended Students

After a lapse of one regular semester from the last date of enrollment, a student who has been suspended by the Capstone College of Nursing may apply for readmission through the office of the senior associate dean of Academic Programs. This application may be submitted immediately after notification of suspension. The application, the student's record of performance and other pertinent information submitted by the student will be reviewed, and a recommendation concerning the application for readmission will be made to the dean of the college. Students who are suspended a second time are placed on indefinite academic suspension.

Readmission Following Withdrawal

A student who has withdrawn from the upper division of the Capstone College of Nursing and wishes to be readmitted after an absence of one semester or more must do the following:

1. Contact the assistant dean of Undergraduate Programs for information about the readmission process.
2. Contact Undergraduate Admissions to determine if an application for readmission is required. Permission to return to the Capstone College of Nursing will depend on the student's previous performance and the availability of space in the required nursing courses. Readmission may require repeating courses to ensure that knowledge is current.

Maximum Hours

A student may not exceed a course load of 18 semester hours except with the approval of the dean of the College.

Policy on Repeating Courses

A record of all courses attempted will appear on the student's transcript. If a grade below C- is received in any course required in the program of study, the course must be repeated on a space-available basis.

Pass/Fail Option

With special permission, a student may choose to receive a grade of Pass (P) or Fail (F) for a course instead of the conventional A, B, C, D or F. If a P is earned, the hours count, but the grade point average is not affected. If an F is earned, the GPA is reduced.

- Only elective courses may be taken as pass/fail.
- Courses used to meet University Core Curriculum requirements may not be taken on a pass/fail basis.
- See the Academic Records and General Academic Policies (p. 27) section of this catalog for further details.

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.

Auditing Courses

Clinical nursing courses are not open to auditors.

Clinical Nursing Expenses

Standard University of Alabama tuition is charged for enrollment in clinical nursing courses. In addition to textbook expenses, clinical nursing students are responsible for the provision of uniforms and supplies for performance in the clinical area. Students are responsible for their own transportation to and from all clinical experiences. The expense

of required liability insurance and standardized test fees is also the responsibility of the student. Detailed information on ordering uniforms and supplies will be furnished when students are promoted to the upper division of the nursing program.

In addition to standard University fees, a laboratory fee is assessed when students are enrolled in nursing courses. Costs for textbooks, physical-assessment equipment, mobile device (iPod Touch), mobile device software and other supplies for the first semester of upper-division work substantially exceed those of subsequent semesters.

Late Registration

There is no late registration for clinical nursing courses.

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.

Transfer Credit

Transfer credit is accepted if the lower division course content is deemed equivalent to that required in the curriculum of the College. Evaluation is based on course content, the grade earned and credit earned. Students may contact the Office of the University Registrar for more information on course equivalencies.

Successful completion of examinations available through the University Testing Services may satisfy certain general education requirements. See the Credit by Examination (p. 12) section of this catalog.

Credit Courses Taken in the College of Continuing Studies

Correspondence or Independent Study Courses

Selected general education courses required for the degree of Bachelor of Science in Nursing may be taken from the independent study program of the College of Continuing Studies with prior approval of the Director of Nursing Student Services (see the College of Continuing Studies (p. 375) section of this catalog for details of the independent study program.)

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

Assistant Dean

Melondie Carter, PhD, RN

Administrative and Professional Staff

Sara Allen

Matthew Ander

Andrea Foster

Ashley Green

Kerri Heritage

Patrick McIntyre

Cynthia Morris

Jessica Richardson

Regina Sanders

Karen Silliman

Lisa Tyner

Rebekah Welch

Katara Wilson

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 |
|-------------------------------------|---|--------------|
| Lower Division courses | | |
| 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 ¹ | | 3 |
| Literature and History ² | | 9 |
| Statistics | | 3 |
| Credit Hours Subtotal: | | 55 |
| Upper Division courses | | |
| 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 |
| Total Hours | | 80 |

Footnotes

¹ List of approved Fine Arts courses can be found here.

² 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 |
|---|------------------------------------|-----------|
| Semester 1 | | |
| NUR 319 | Nrsg Informatics for RNs | 3 |
| NUR 348 | Role Tran in Baccalaureate Nur (W) | 4 |
| Credit Hours Subtotal: | | 7 |
| Semester 2 | | |
| NUR 329 | Inq. Evidence Based Pract RNS | 3 |
| NUR 449 | Community Health For RNs | 5 |
| Credit Hours Subtotal: | | 8 |
| Semester 3 (graduating semester) | | |
| NUR 455 | Leadership & Management Roles | 5 |
| NUR 465 | Complex Client Sys RNs | 5 |
| Credit Hours Subtotal: | | 10 |
| Total Hours | | 25 |
| Part-Time enrollment | | |
| Semester 1 | | |
| NUR 348 | Role Tran in Baccalaureate Nur (W) | 4 |
| Credit Hours Subtotal: | | 4 |

| | | |
|---|-----------------------------------|-----------|
| Semester 2 | | |
| NUR 329 | Inq. Evidence Based Pract RNS (W) | 3 |
| Credit Hours Subtotal: | | 3 |
| Semester 3 | | |
| NUR 319 | Nrsg Informatics for RNs | 3 |
| Credit Hours Subtotal: | | 3 |
| Semester 4 | | |
| NUR 449 | Community Health For RNs | 5 |
| Credit Hours Subtotal: | | 5 |
| Semester 5 | | |
| NUR 465 | Complex Client Sys RNs | 5 |
| Credit Hours Subtotal: | | 5 |
| Semester 6 (graduating semester) | | |
| NUR 455 | Leadership & Management Roles | 5 |
| Credit Hours Subtotal: | | 5 |
| Total Hours | | 25 |

RN/BSN Pathway to MSN (Phase One)

Click here to view the Phase Two plan of study

| Nurse Administrator | | Hours |
|---|--|-----------|
| Summer 1 | | |
| 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) ^{1,2} | 3 |
| Credit Hours Subtotal: | | 8 |
| Spring 1 | | |
| NUR 465 | Complex Client Sys RNs | 5 |
| NUR 519 | Health Policy & Finance ¹ | 3 |
| NUR 514 | Research and Evidence-Based Practice ¹ | 3 |
| Credit Hours Subtotal: | | 11 |
| Complete BSN requirements; BSN awarded | | |
| Total Hours | | 26 |

Footnotes

- ¹ Course counts towards completion of BSN & MSN
- ² 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 an 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. 344) 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 |
| | | 14 | 16 |

Sophomore

| Fall | Hours | Spring | Hours |
|--|-------|--------------------------------|-----------|
| BSC 215 | 4 | BSC 216 | 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 |
| | | 16 | 17 |

Total Hours: 63

Footnotes

¹ NUR 102 Freshman Compass: Nursing is not a required course and will not be considered in upper division promotion.

² 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 308 | 3 |
| NUR 310 | 3 |
| NUR 332 | 2 |
| <hr/> | |
| 12 | |

Junior

| Fall | Hours | Spring | Hours |
|-----------------------------|-------|-----------|-------|
| NUR 309 | 3 | NUR 328 | 3 |
| NUR 324 or 315 ³ | 7 | NUR 372 | 8 |
| NUR 326 | 3 | NUR 374 | 4 |
| <hr/> | | <hr/> | |
| 13 | | 15 | |

Senior

| Fall | Hours | Spring | Hours |
|-----------|-------|-------------|--------|
| NUR 418 | 4 | NUR 422 | 0 or 4 |
| NUR 419 | 5 | NUR 473 | 6 |
| NUR 420 | 4 | NUR 475 | 1 |
| <hr/> | | <hr/> | |
| 13 | | 7-11 | |

Total Hours: 60-64

Footnotes

³ NUR 315/316 will be taken in place of NUR 324 for those students enrolled in this semester in the summer term.

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. 693)
- Minor
 - Social Welfare (p. 692)

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. 355) section of this catalog. The University accepts transferred credit from accredited associate of arts programs (see Undergraduate Transfer Admission (p. 355) 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 | |
| Total Hours | 25 |

* 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. 693) 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 Abnormal Psychology | 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**Interim Dean**

Dr. Reid, Lesley

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.

Hopson, Laura

Nelson-Gardell, Debra M.

Noh, Hyunjin

Pryce, Josephine G.

Ruggiano, Nicole

Simon, Cassandra E.

Smith, Brenda D.

Williams, Javonda

Professors

Cain, Daphne

Corcoran, Kevin

Csikai, Ellen L.

Lee, Hee Yun

Professor Emeritus

Adams, James P., Jr.

Crow, Richard T.

Crunk, Phillip Eugene

Kaufman, Alan B.

Kosberg, Jordan I.

Assistant Professor Emeritus

Bell, Roy F.

Associate Professor Emeritus

Eure, Gerald K.

Sumrall, Raymond O.

Associate Professor Emerita

Raymond, Ginny

Mueller, Thelma V.

Assistant Professor Emerita

McClain, Shirley B.

Shelton, Sharon C.

Professor Emerita

Roff, Lucinda L.

Program Directors

Curington, Allison

Hopson, Laura M.

Jackson, Mary Sebrena

Ruggiano, Nicole

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 |
|----------------------|--------------------------------|-------|
| Minor Courses | | |
| 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 | Honors History of Social Welfare in the United States | |
| SW 351 or SW 355 | Oppression & Social Injustice Hon Oppression & Soc Injustice | 3 |
| Select nine hours of social work courses ¹ | | 9 |
| Total Hours | | 18 |

Footnotes

¹ 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 |
|---|--|-----------|
| Social Work Major Courses | | |
| SW 100 or SW 105 | Intro Fields SW Practice Honors Intro Field of SW Pract | 3 |
| SW 200 or SW 205 | History Social Welfare US Honors History of Social Welfare in the United States | 3 |
| SW 351 or SW 355 | Oppression & Social Injustice Hon Oppression & Soc Injustice | 3 |
| SW 401 or SW 405 | Soc Wel Policy & Services Hon Soc Wel Pol & Serv | 3 |
| SW 410 | Human Behav Soc Envir I | 3 |
| SW 411 | Human Behav & the Soc Envir II | 3 |
| SW 420 or SW 425 | Research Social Work Practice Research for SW Pract. Honors | 3 |
| 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 SW 445 | Seminar in Generalist Practice Social Work Honors Seminar | 3 |
| 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 SW 415 | Abnormal Psychology (***) Psychopathology | 3 |
| Select one of the following Social Psychology Courses: | | |
| SOC 205 or PY 372 | Social Psychology (***) Social Psychology | 3 |
| 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 | |
| EC 110 or EC 112 | Principles of Microeconomics Honors Prin of Microeconomics | |
| EC 111 or EC 112 | Principles of Macroeconomics 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 |
| | 16 | | 16 |

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 |
| | 16 | | 16 |

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 |
| | 15 | | 13 |

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 |
| | 15 | | 13 |

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**

Dr. Reid, Lesley

Associate Deans

Dr. Cain, Daphne

Dr. Williams, Javonda

Dr. Lee, Hee Yun

Program Directors

Curington, Allison

Dr. Jackson, Sebrena

Dr. Nelson-Gardell, Debra

Dr. Ruggiano, Nicole

Dr. Traylor, Amy

Field Education

Curington, Allison

Gibson, Kimberly

Smith, Shayla

Turner, Carrie

Professors

Csikai, Ellen

Corcoran, Kevin

Lee, Hee Yun

Associate Professor

Alameda-Lawson, Tania

Albright, David

Hopson, Laura

Nelson-Gardell, Debra M.

Noh, Hyunjin

Pryce, Josephine G.

Simon, Cassandra E.

Smith, Brenda D.

Ruggiano, Nicole

Williams, Javonda

Assistant professors

Bennett, Daniel Jr.

Carlson, Catherine

Cheatham, Leah

Green, Sha-Rhonda

Jackson, Sebrena M.

Johnson, Karen

Lewis, Lee

McKinney, Robert Jr.

Shah, Avani

Simpson, Gaynell M.

Starks, Karen

Instructors

Payne, Nancy

Phelps, Carroll

Swails, Peggy

Welker, Kathleen

Wilkes, Sherron

Professors emeriti

Adams, James P. Jr.

Crow, Richard T.

Crunk, Phillip E.

Kaufman, Alan B.

Kosberg, Jordan I.

Associate Professor Emeritus

Eure, Gerald K.

Sumrall, Raymond O.

Assistant Professor Emeritus

Bell, Roy F.

Professor emerita

Roff, Lucinda L.

Associate Professor Emerita

Mueller, Thelma V.

Raymond, Ginny

Assistant Professor Emerita

McClain, Shirley B.

Shelton, Sharon C.

INDEX

A

| | | | |
|--|-----|--|-----|
| About the University | 7 | Applying for Financial Aid | 361 |
| Absence from Class and Failure to Complete Class Work | 351 | Arabic, Minor | 469 |
| Academic Bankruptcy | 12 | Architectural Engineering, BS | 635 |
| Academic Calendar Year | 27 | Architectural Engineering, Minor | 636 |
| Academic Common Market of the Southern Regional Education Board (SREB) | 360 | Art History, BA | 408 |
| Academic Enrichment Opportunities | 371 | Art History, Minor | 409 |
| Academic Misconduct Policy | 351 | Art (Studio), Minor | 407 |
| Academic Policies | 11 | Asian Studies, Minor | 528 |
| Academic Records | 27 | Astronomy, Minor | 507 |
| Academic Regulations | 11 | Athletic Training Minor | 672 |
| Academic Second Opportunity | 12 | Automatic Schedule Confirmation | 370 |
| Academic Second Opportunity | 359 | B | |
| Accelerated Master's Program | 387 | Bama Plan Installment Payment Option | 370 |
| Accounting, BS | 545 | Biology, BS | 416 |
| Accounting, Minor | 546 | Biology, Minor | 418 |
| Action Card | 363 | Blount Scholars Minor | 425 |
| Actuarial Science, Minor | 548 | Blount Scholars Program | 425 |
| Addiction and Recovery, BS | 673 | BSN Degree | 688 |
| Addiction and Recovery Studies, Minor | 673 | C | |
| Administration | 354 | Capstone Center for Student Success | 364 |
| Admission of International Students | 358 | Capstone College of Nursing | 683 |
| Admission of Special Category Students | 357 | Capstone International Center | 371 |
| Admission of Special Category Students | 357 | Catherine J. Randall Research Scholars Program (Minor) | 381 |
| Admissions | 355 | Chemical Engineering, BSChE | 630 |
| Adult Student Services | 375 | Chemistry, BCH | 427 |
| Advertising and Public Relations, Minor | 571 | Chemistry, BS | 428 |
| Advertising, BA | 568 | Chemistry, Minor | 430 |
| AEM Honors Program | 625 | Chinese, Minor | 469 |
| Aerospace Engineering, BS | 626 | Civic Engagement and Leadership, Minor | 497 |
| Aerospace Engineering, Minor | 627 | Civil Engineering, BS | 636 |
| African American Studies, BA | 445 | Civil Engineering, Minor | 638 |
| African American Studies, Minor | 446 | Classical Civilization, Minor | 470 |
| Air Force Studies (Air Force ROTC) | 383 | Classification of Students | 27 |
| American Studies, BA | 399 | Collaborative Education Program, BSE | 618 |
| American Studies, Minor | 400 | College of Arts and Sciences | 390 |
| Anthropology, BA | 401 | College of Communication and Information Sciences | 562 |
| Anthropology, Minor | 404 | College of Community Health Sciences | 585 |
| Apparel and Textiles, BS | 664 | College of Continuing Studies | 375 |
| | | College of Education | 587 |
| | | College of Engineering | 622 |

| | | | |
|--|-----|---|----------------------|
| College of Human Environmental Sciences | 660 | Department of Chemical and Biological Engineering | 628 |
| Communication Studies, BA | 574 | Department of Chemistry and Biochemistry | 425 |
| Communication Studies, Minor | 577 | Department of Civil, Construction and Environmental Engineering | 633 |
| Communicative Disorders, BA | 431 | Department of Clothing, Textiles and Interior Design | 663 |
| Communicative Disorders, Minor | 432 | Department of Communication Studies | 573 |
| Community Outreach | 371 | Department of Communicative Disorders | 430 |
| Computer Engineering, BS | 648 | Department of Computer Science | 641 |
| Computer Science, BS | 642 | Department of Consumer Sciences | 666 |
| Computer Science, Minor | 645 | Department of Criminology & Criminal Justice | 433 |
| Computing Technology and Applications, Minor | 646 | Department of Curriculum and Instruction | 596 |
| Conflict Resolution, Minor | 668 | Department of Economics, Finance, and Legal Studies | 546 |
| Construction Engineering, BS | 638 | Department of Educational Leadership, Policy and Technology Studies | 607 |
| Construction Engineering, Minor | 639 | Department of Educational Studies in Psychology, Research Methodology | and Counseling |
| Consumer Sciences, BS | 668 | | 609 |
| Consumer Sciences, Minor | 669 | Department of Electrical and Computer Engineering | 646 |
| Cooperative Education Program | 389 | Department of English | 437 |
| Core Curriculum/General Education Requirements | 344 | Department of Gender and Race Studies | 444 |
| Costs | 370 | Department of Geography | 447 |
| Course Inventory | 27 | Department of Geological Sciences | 452 |
| Creative Media, BA | 582 | Department of Health Science | 670 |
| Creative Media, Minor | 584 | Department of History | 456 |
| Creative Writing, Minor | 437 | Department of Human Development and Family Studies | 672 |
| Credit by Examination | 12 | Department of Human Nutrition and Hospitality Management | 677 |
| Criminal Justice, Minor | 434 | Department of Information Systems, Statistics and Management Science | |
| Criminology & Criminal Justice, BA | 433 | | 552 |
| CrossingPoints Certificate in Occupational Studies | 619 | Department of Journalism & Creative Media | 578 |
| Culverhouse College of Business | 538 | Department of Kinesiology | 611 |
| Culverhouse School of Accountancy | 543 | Department of Management | 555 |
| Curriculum | 344 | Department of Marketing | 560 |
| Curriculum VII | 543 | Department of Mathematics | 462 |
| Cyber Criminology, Minor | 435 | Department of Mechanical Engineering | 652 |
| Cyber Security, BS | 644 | Department of Metallurgical and Materials Engineering | 657 |
| | | Department of Modern Languages and Classics | 467 |
| | | Department of Music Education | 614 |
| D | | Department of Philosophy | 503 |
| Dance, BA | 532 | Department of Physics and Astronomy | 506 |
| Deferment Plan Option | 370 | Department of Political Science | 511 |
| Delinquent Accounts | 370 | Department of Psychology | 521 |
| Department of Advertising and Public Relations | 566 | Department of Religious Studies | 526 |
| Department of Aerospace Engineering and Mechanics | 624 | Department of Special Education and Multiple Abilities | 617 |
| Department of American Studies | 398 | Department of Theatre and Dance | 531 |
| Department of Anthropology | 400 | Department, Program and Course Alpha Symbols | 339 |
| Department of Art and Art History | 406 | Digital Consumer Engagement, Minor | 669 |
| Department of Biological Sciences | 414 | | |

| | |
|--|-----|
| Digital, Public, and Professional Writing, Minor | 437 |
| Dining Dollars | 370 |
| Disability Services | 364 |
| Division of Academic Outreach | 375 |

E

| | |
|--|-----|
| Early Childhood Education, BS | 674 |
| Early Childhood Special Education | 619 |
| Economics, BA | 435 |
| Economics, BS | 548 |
| Economics, Minor | 549 |
| Educational Neuroscience, BS | 610 |
| Educational Policy and Reform Minor | 608 |
| Educational Studies Minor | 621 |
| Electrical Engineering, BS | 649 |
| Electrical Engineering, Minor | 651 |
| Elementary Education, BSE | 596 |
| Engineering Positive and Intentional Change, Minor | 659 |
| English, BA | 438 |
| English Language Institute | 376 |
| English, Minor | 440 |
| Entrepreneurship, Minor | 557 |
| Environmental and Water Resources Engineering, Minor | 640 |
| Environmental Engineering, BS | 640 |
| Environmental Science | 442 |
| Environmental Science, BS | 442 |
| Evening Program | 375 |
| Evolutionary Studies, Minor | 404 |
| External Degree Program (EXD) | 375 |

F

| | |
|--|-----|
| Federal Work Study Program | 362 |
| Final Examinations | 345 |
| Finance, BS | 549 |
| Finance, Minor | 551 |
| Food and Nutrition, BS | 678 |
| Food and Nutrition, Minor | 680 |
| Foreign Languages and Literature, BA | 470 |
| French, Minor | 473 |
| Freshman Admission | 356 |
| Freshman Admission | 356 |
| Freshman Engineering Program | 622 |
| Fulbright Programs | 371 |

G

| | |
|---|-----|
| Gadsden Education and Research Center | 375 |
| General Business, BS | 557 |
| General Business, Minor | 558 |
| General Payment Information | 370 |
| General Requirements | 355 |
| Geographic Information Systems (GIS), Minor | 448 |
| Geography, BA | 449 |
| Geography, BS | 450 |
| Geography, Minor | 452 |
| Geology, BA | 453 |
| Geology, BS | 454 |
| Geology, BSG | 455 |
| Geology, Minor | 456 |
| German, Minor | 474 |
| Global and Cultural Perspectives, Minor | 374 |
| Global Health, Minor | 405 |
| Grades and Grade Points | 341 |
| Graduation | 346 |
| Grants | 362 |
| Greek, Minor | 474 |

H

| | |
|---|-----|
| High School Services | 360 |
| History, BA | 458 |
| History, Minor | 461 |
| Home-Schooled Students | 355 |
| Honors | 343 |
| Honors College | 378 |
| Hospitality Management, BS | 681 |
| Housing | 370 |
| Human Development and Family Studies, BS | 675 |
| Human Development and Family Studies, Minor | 676 |
| Human Environmental Sciences, BS | 682 |
| Human Resource Management, Minor | 558 |

I

| | |
|---|-----|
| Impact of Withdrawal on Students Receiving Federal Financial Aid | 371 |
| Inter-campus Interactive Telecommunication System (IITS) | 375 |
| Interdisciplinary Environmental Studies, Minor | 498 |
| Interdisciplinary Linguistics, Minor | 440 |
| Interdisciplinary Studies, BA | 499 |
| Interdisciplinary Studies, BS | 500 |
| Interior Design, BS | 665 |

| | | | |
|--|-----|--|-----|
| International Academic Exchange Programs | 371 | Metallurgical Engineering, BS | 658 |
| International Business, Minor | 561 | Microbiology, BS | 422 |
| International Services | 371 | Microbiology, Minor | 424 |
| International Services | 364 | Military Leave | 360 |
| International Studies, BA | 512 | Military Programs | 383 |
| International Studies, Minor | 516 | Miscellaneous Expenses and Payment | 370 |
| International University Programs | 371 | Multiple Abilities Program, BSE | 620 |
| Introduction | 360 | Music, BA | 493 |
| Italian, Minor | 474 | Music Composition, BM | 481 |
| J | | Music Education, BSE (Certification in Instrumental Music) | 614 |
| Japanese, Minor | 475 | Music Education, BSE (Certification in Vocal/Choral Music) | 616 |
| Judaic Studies, Minor | 528 | Music, Minor | 495 |
| K | | Music Performance, BM | 482 |
| Kinesiology, BSE | 612 | Music Theory, BM | 488 |
| L | | Music Therapy, BM | 490 |
| Latin American, Caribbean, and Latino Studies, Minor | 475 | Music with a concentration in Arts Administration, BA | 492 |
| Latin, Minor | 476 | Musical Audio Engineering, BS | 651 |
| Leadership Communication, Minor | 578 | N | |
| M | | Natural Resources, Minor | 502 |
| Majors and Degrees | 347 | Neuroscience Minor | 522 |
| Management, BS | 558 | New College | 496 |
| Management Communication, Minor | 558 | News Media, BA | 580 |
| Management Information Systems, BS | 553 | News Media, Minor | 582 |
| Management, Minor | 559 | Not Attending Cancellation | 370 |
| Manufacturing, Minor | 653 | Nursing, BSN | 688 |
| Marine Science, Minor | 418 | Nursing (RN to BSN) | 687 |
| Marine Science Program | 461 | O | |
| Marine Science/Biology Major, BS | 419 | Officer Training Corps Studies (Army ROTC) | 386 |
| Marine Science/Chemistry Major, BS | 420 | Offset of Funds | 370 |
| Marine Science/Geology Major, BS | 421 | Operations Management, BS | 554 |
| Marketing, BS | 561 | Other Financial Payment Policies | 370 |
| Mathematical Statistics, Minor | 464 | P | |
| Mathematics, BS | 465 | Parent/Guest Accounts | 370 |
| Mathematics Education, Minor | 464 | Parking | 370 |
| Mathematics, Minor | 467 | Personal Expenses | 370 |
| Meal Plans | 370 | Personal Finance, Minor | 670 |
| Mechanical Engineering, BS | 654 | Personal Wealth Management, Minor | 551 |
| Mechanical Engineering, Minor | 656 | Philosophy, BA | 504 |
| Medical Withdrawal and Return to Campus | 25 | Philosophy, Minor | 506 |
| Medieval and Early Modern European Studies Minor | 410 | Physics, BS | 508 |
| Metallurgical & Materials Engineering, Minor | 658 | Physics, Minor | 511 |
| | | Political Science, BA | 517 |

| | | | |
|---|-----|--|-----|
| Political Science, Minor | 519 | State Authorization | 360 |
| Postgraduate Students | 349 | Statistics, Minor | 555 |
| Proration of Housing Charges | 371 | Structural Engineering, Minor | 641 |
| Proration of Tuition Charges | 371 | Student Designed, Minor | 503 |
| Psychology, BA | 523 | Student Expectations | 350 |
| Psychology, BS | 524 | Student Financial Aid | 361 |
| Psychology, Minor | 526 | Student Life | 365 |
| Public Health, BS | 671 | Student Loans | 362 |
| Public Policy, Minor | 520 | Student Responsibility | 354 |
| Public Relations, BA | 571 | Student Rights and Responsibilities | 362 |
| R | | Studio Art, BA | 411 |
| Real Estate, Minor | 551 | Studio Art, BFA | 412 |
| Records Policy for Students with Uncleared Financial Obligations | 353 | Supply Chain Management, Minor | 555 |
| Registration | 349 | Support Programs and Services for Students | 363 |
| Religious Studies, BA | 529 | T | |
| Religious Studies, Minor | 530 | Theatre, BA | 535 |
| Residency for Tuition Purposes Policy | 17 | Theatre, BFA | 536 |
| Risk Management, Insurance, and Financial Services, Minor | 551 | Theatre, Minor | 538 |
| Rural Community Health, Minor | 587 | Theatre with a Musical Theatre Concentration, BA | 533 |
| Russian, Minor | 476 | Transcripts | 344 |
| S | | Transfer Admission | 357 |
| Sales, Minor | 562 | Transfer Credit | 21 |
| Satisfactory Academic Progress Requirement for Federal Financial Aid Recipients | 362 | Transfers Within the University | 23 |
| Schedule Payment/Confirmation | 370 | Transportation and Parking Services | 368 |
| Scholarships | 362 | Transportation Engineering, Minor | 641 |
| Scholastic Progress Standard, Academic Status, Warning and Suspension | 20 | Tuition and Other Expenses | 370 |
| School of Library and Information Studies | 584 | Types of Financial Aid | 362 |
| School of Music | 479 | U | |
| School of Social Work | 689 | UA Police Department | 368 |
| Secondary Education, BSE | 598 | UA System Cooperative Exchange Program | 350 |
| Services Marketing, Minor | 562 | Undergraduate Catalog | 7 |
| Short-term Academic Group Programs | 371 | Undergraduate Transfer Admission | 357 |
| Social Welfare, Minor | 692 | University Fellows Experience | 382 |
| Social Work, BSW | 693 | University Libraries | 368 |
| Sociology, Minor | 435 | W | |
| Spanish, BA | 477 | Weekend College | 375 |
| Spanish, Minor | 478 | Withdrawal | 24 |
| Special Academic Programs | 387 | Withdrawal from the University | 371 |
| Special Programs | 356 | Women's Studies, Minor | 447 |
| Special Programs | 356 | World Literature Minor | 441 |
| Sports Media, Minor | 584 | Writing Center | 370 |