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UNDERGRADUATE CATALOG

ABOUT THE UNIVERSITY

Our Mission

To 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 of teaching, research and service.

Our Vision

The University of Alabama will be the university of choice for the best and brightest students in Alabama and a university of choice for 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 enhancing the quality of life, not only for all Alabamians, but for citizens of the nation and world.

Our Strategic Goals

- Advance the University's academic, research, scholarship and service priorities, consistent with a top-tier university, and continue to promote growth and national prominence in these areas.
- Enhance the teaching, research and service mission of the University by retaining and recruiting outstanding faculty and staff.
- Enhance the University's learning environment to attract and retain excellent students.
- Develop a universitywide emphasis on leadership as a primary role of the flagship university of the state of Alabama.

Location

The University of Alabama (UA) is located in Tuscaloosa, Ala., a city with a metropolitan population of approximately 90,000 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 1,000 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 (UAB) and The University of Alabama in Huntsville (UAH).

Divisions of the University

Vice Presidents' Offices

- Academic Affairs
- Community Affairs
- Financial Affairs
- Research and Economic Development
- Strategic Communications
- Student Affairs
- University Advancement

Academic Units

- College of Arts and Sciences
- Culverhouse College of Commerce
- College of Communication and Information Sciences
- College of Community Health Sciences
- 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 International
- Center for Communication and Educational Technology
- Center for Teaching and Learning
- 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
- Paul W. Bryant Museum
- Technology and Testing
- University of Alabama Museums
- 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 to award baccalaureate, masters, educational specialist and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097 or call (404) 679-4500 for questions about the accreditation of The University of Alabama.

In addition, selected programs have been accredited by the AACSB International-The Association to Advance Collegiate Schools of Business; ABET, Inc.-Accrediting Board for Engineering and Technology; 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 State Board of Health; Accrediting Council for Graduate Medical Education; American Psychological Association; American Speech Language-Hearing Association; Association of University Programs in Health Administration; Commission on Accreditation of Athletic Training Education Programs; Commission on Accreditation for Dietetics Education; Commission on Collegiate Nursing Education; Commission on English Language Program Accreditation; Council on Social Work Education; Council for Interior Design Accreditation; Council for Accreditation of Counseling and Related Education Programs; Council on Rehabilitation Education; Liaison Committee for Medical Education; 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; and the National Council for Accreditation of Teacher Education.

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 18, inaugural ceremonies were held, and the University opened. 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.

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.

Morgan Auditorium 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.

Currently, The School of Law is ranked 28th among all law schools in the nation for 2016. The School of Library and Information Studies is ranked 18th nationally in the latest rankings for library schools. *PRWeek Magazine* has 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* ranks The University of Alabama's Manderson Online Business Master's programs 12th in the nation.

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 Amendments) 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/privacy-guidelines.

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. 11)

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)

Academic Warning and Academic Suspension

In order to monitor students' progress toward the baccalaureate degree, The University of Alabama employs the Scholastic Progress Standard (SPS). 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. 13)

Student-Athlete Satisfactory Progress

A student-athlete who has completed at least one academic year in residence at The University of Alabama shall be required to satisfy minimum academic progress requirements for continuing athletic eligibility. Read more. (p. 16)

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. 16)

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. 19)

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. 19)

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:

- Academic bankruptcy is never granted for an academic term in which the student is currently enrolled, nor for the previous academic term.
- 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

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. 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 work are not used in computing the grade point average. Grades of C or higher earned during previous college attendance are computed as "passing hours" (P) and may be applied to major program, distribution and graduation requirements. Grades of D earned during previous college attendance may not be applied to major program, distribution or graduation requirements. The student pursues his or her academic program with no University of Alabama or higher education grade point average, and thereafter is subject to the conditions of warning, probation and dismissal that govern all students. Once invoked, Academic Second Opportunity cannot be revoked and it may be awarded only once and may not be awarded retroactively. Students who are awarded Academic Second Opportunity are excluded from candidacy for the Latin honors designations of cum laude, magna cum laude and summa cum laude. These honors may also be referred to as University Honors.

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.

Academic Warning and Academic Suspension

Scholastic Progress Standard

In order to monitor students' progress toward the baccalaureate degree, The University of Alabama employs the Scholastic Progress Standard (SPS). The SPS sets the minimum required grade point average (for all hours completed at The University of Alabama) for freshman, sophomore, junior and senior students. Students are advised that these are minimum

GPA requirements for continuing at the University; to meet divisional graduation requirements, higher grade point averages may be needed.

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 grade point average, an I counts as an F until replaced by the earned grade. A grade of P does not enter into the computation.

Required Minimum Grade Point Average

Credit Hours Earned ¹	Required University of Alabama GPA
0-30	1.50
31-60	1.70
61-90	1.90
91 or more	2.00

¹ Includes transferred credit

Academic Warning

A student will be placed on academic warning if his or her cumulative University of Alabama grade point average is below 2.0 but above the appropriate scholastic progress standard (SPS).

The purpose of the academic warning is to alert students to improve their academic performance and to introduce students to available academic support.

Students placed on academic warning must meet with their academic advisers by March 1 for warnings issued at the end of fall semester and by August 1 for warnings issued at the end of spring semester.

Academic warning does not restrict students' ability to register for the upcoming semester or the summer term.

Academic Suspension

A student whose cumulative University of Alabama GPA at the end of the spring semester is below the appropriate SPS will be suspended.

The suspended student will be allowed to enroll in summer term at UA in order to improve his or her University of Alabama grade point average. If improvement results in compliance with the SPS, the student will be reinstated for the subsequent semester, but the previous suspension will be marked on the permanent academic transcript.

The first suspension is for one semester. Subsequent suspensions are indefinite.

A student may appeal first or subsequent suspensions to his or her college's dean or dean's designee.

- A student suspended for the first time must initiate the appeal by August 1. The approval of the appeal does not alter the fact of the suspension, and it will appear on the student's permanent academic transcript.
- A student suspended for the second or subsequent time must initiate the appeal at least two weeks prior to the semester in which the student is seeking to enroll. The approval of the appeal does not alter the fact of the suspension, and it will appear on the student's permanent academic transcript.
- All decisions on reinstatement are based on The University of Alabama cumulative GPA, significant improvement in the most recent academic terms, feasibility of degree completion, individual circumstances and previous agreements between the student and his or her academic college.

Students who are suspended are encouraged to use the time of the suspension in ways that assist their academic progress. Students may not attend class or enroll in correspondence courses. Students may study in order to finish courses in which they have earned incomplete (I) grades and may work with faculty members in this process. Students may also address other non-academic problems that have impeded their progress.

Reinstatement Procedures

Any student returning for the first regular academic term immediately following the semester of active suspension, who has not been enrolled in any other institution of higher education following the suspension from The University of Alabama, must complete and submit an application for readmission according to published procedures and deadlines.

Any student returning for the first regular academic term immediately following the semester of active suspension, who is or has been enrolled in any other institution of higher education following the suspension from The University of Alabama, must complete and submit an application for readmission and official transcripts from each such institution.

Any student returning for any academic term after the first regular academic term immediately following the semester of active suspension must complete and submit an application for readmission whether or not he or she is or has been enrolled in any other institution of higher education following the suspension from The University of Alabama. If the student is or has been enrolled elsewhere, he or she must provide official transcripts from each such institution with the application for readmission.

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, but not limited to, 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.

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.

Advanced Placement (AP)

Examination	Minimum UA Course Score	UA Course Equivalent	Credit	Core Designation
Art History	4	ARH 252 & ARH 253	6	FA
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	N
Biology	4	BSC 114, BSC 115, BSC 116 & BSC 117	8	N
Calculus AB	3	MATH 125	4	MA
Calculus BC	3	MATH 125 & MATH 126	8	MA
Calculus BC- AB Subscore	3	MATH 125	4	MA
Chemistry	3	CH 104	4	N
Chemistry	4	CH 101	4	N
Chemistry	5	CH 101 & CH 102	8	N
Chinese Language & Culture ²	3	CHI 101 & CHI 102	8	FL/HU
Chinese Language & Culture ²	4	CHI 101, CHI 102 & CHI 201	11	FL/HU
Chinese Language & Culture ²	5	CHI 101, CHI 102, CHI 201 & CHI 202	14	FL/HU
Computer Science A	4	CS 100	4	
Computer Science Principles (New Fall 2016)	3	CS 104	3	
English Language & Composition	3	EN 101	3	FC
English Language & Composition	4	EN 101 & EN 102	6	FC
English Literature & Composition	3	EN 101	3	FC
English Literature & Composition	4	EN 101 & EN 102	6	FC
If both English AP tests are completed ³	3	EN 101 & EN 102	6	FC
If both English AP tests are completed ³	4	EN 101, EN 102 & TRGS HU	9	FC
Environmental Science	3	GEO 105	4	N
European History	4	HY 101 & HY 102	6	HI
French Language & Culture ²	3	FR 103	4	FL/HU
French Language & Culture ²	4	FR 103 & FR 201	7	FL/HU
French Language & Culture ²	5	FR 103, FR 201 & FR 202	10	FL/HU
German Language & Culture ²	3	GN 103	4	FL/HU
German Language & Culture ²	4	GN 103 & GN 201	7	FL/HU
German Language & Culture ²	5	GN 103, GN 201 & GN 202	10	FL/HU
Government & Politics: Comparative	3	PSC 203	3	
Government & Politics: U.S.	3	PSC 101	3	SB
Human Geography	3	GY 110	3	SB
Italian Language & Culture ²	3	IT 101 & IT 102	8	FL/HU

Italian Language & Culture ²	4	IT 101, IT 102 & IT 201	11	FL/HU
Italian Language & Culture ²	5	IT 101, IT 102, IT 201 & IT 202	14	FL/HU
Japanese Language & Culture ²	3	JA 101 & JA 102	8	FL/HU
Japanese Language & Culture ²	4	JA 101, JA 102 & JA 201	11	FL/HU
Japanese Language & Culture ²	5	JA 101, JA 102, JA 201 & JA 202	14	FL/HU
Latin ²	3	LA 101 & LA 102	6	FL/HU
Latin ²	4	LA 101, LA 102 & LA 201	9	FL/HU
Latin ²	5	LA 101, LA 102, LA 201 & LA 202	12	FL/HU
Macroeconomics	4	EC 111	3	SB
Microeconomics	4	EC 110	3	SB
Music Theory	3	TRGS HU	3	HU
Physics 1 (New Fall 2014)	3	PH 101	4	N
Physics 2 (New Fall 2014)	3	PH 102	4	N
Physics B	3	PH 101 & PH 102	8	N
Physics C: Mechanics	3	PH 105	4	N
Physics C: Electricity and Magnetism	3	PH 106	4	N
Psychology	3	PY 101	3	SB
Spanish Language & Culture ²	3	SP 103	4	FL/HU
Spanish Language & Culture ²	4	SP 103 & SP 201	7	FL/HU
Spanish Language & Culture ²	5	SP 103, SP 201 & SP 202	10	FL/HU
Spanish Literature & Culture ²	3	SP 103	4	FL/HU
Spanish Literature & Culture ²	4	SP 103 & SP 201	7	FL/HU
Spanish Literature & Culture ²	5	SP 103, SP 201 & SP 202	10	FL/HU
Statistics	3	ST 260	3	C
U.S. History	4	HY 103 & HY 104	6	HI
World History	4	TRGS HI	6	HI

¹ Decision based on review of portfolio by Department of Art and 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)

CLEP Subject Examination	Min. Score	UA Course Equivalent	Credit	Core Designation
History and Social Sciences				
History of the United States I: Early Colonization to 1877	52	HY 103	3	HI
History of the United States II: 1865 to the Present	52	HY 104	3	HI
Human Growth & Development	52	HD 101	3	SB
Principles of Macroeconomics	50	EC 111	3	SB
Principles of Microeconomics	50	EC 110	3	SB
Introductory Psychology	54	PY 101	3	SB
Introductory Sociology	52	SOC 101	3	SB
Western Civilization I: Ancient Near East to 1648	52	HY 101	3	HI
Western Civilization II: 1648 to Present	52	HY 102	3	HI
Foreign Languages				
French, Level 1 and Level 2	Score of 50–55	FR 101 & FR 102	8	FL/HU
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	FL/HU
German, Level 1 and Level 2	Score of 56–62	GN 201	11	
German, Level 1 and Level 2	Score of 63–80	GN 202	14	
Spanish, Level 1 and Level 2	Score of 48–51	SP 101 & SP 102	8	FL/HU
Spanish, Level 1 and Level 2	Score of 52–55	SP 201	11	
Spanish, Level 1 and Level 2	Score of 56–80	SP 202	14	
Science and Mathematics				
Biology (non-majors)	50	BSC 108	4	N
Biology (non-majors)	57	BSC 108 & BSC 109	8	N
Biology	60	BSC 114, BSC 115, BSC 116 & BSC 117	8	N
Chemistry	52	CH 101 & CH 102	8	N

Calculus with Elementary Functions	52	MATH 125	4	MA
Business Information Systems and Computer Applications	50	CS 102	3	
Introductory Business Law	50	LGS 200	3	

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)

The University of Alabama awards credit for higher level (HL) examinations only.

Examination	Minimum Score	UA Course Equivalent	Credit	Core Designation
GROUP 1				
Language A: Literature	5	EN 101 & EN 102	6	FC
Language A: Language & Literature	5	EN 101 & EN 102	6	FC
If both IB Language A tests are completed ²	5 on both	EN 101, EN 102, and 3 hours of TRGS HU	9	FC, HU
GROUP 2: LANGUAGE B COURSES				
Arabic	5	ARB 101 & ARB 102	8	FL
Chinese	5	CHI 101 & CHI 102	8	FL/HU
French	5	FR 101 & FR 102	8	FL/HU
German	5	GN 101 & GN 102	8	FL/HU
Greek	5	GR 101 & GR 102	8	FL/HU
Italian	5	IT 101 & IT 102	8	FL/HU
Japanese	5	JA 101 & JA 102	8	FL/HU
Latin	5	LA 101 & LA 102	6	FL/HU
Portuguese	5	POR 101 & POR 102	8	FL
Russian	5	RUS 101 & RUS 102	8	FL/HU
Spanish	5	SP 101 & SP 102	8	FL/HU
GROUP 3				
Economics	5	EC 110 & EC 111	6	SB
Geography	5	GY 102	4	N
History: World	5	HY 101 & HY 102	6	HI
History: U.S.	5	HY 103 & HY 104	6	HI
Philosophy	5	PHL 100	3	HU
Psychology	5	PY 101	3	SB
Social & Cultural Anthropology	5	ANT 102	3	SB
GROUP 4				

Biology	5	BSC 114, BSC 115, BSC 116 & BSC 117	8	N
Chemistry	5	CH 101 & CH 102	8	N
Computer Science	5	CS 100	4	
Physics	5	PH 105 & PH 106	8	N
GROUP 5				
Mathematics	5	MATH 115 & MATH 125	7	MA
GROUP 6				
Theatre	5	TH 114	3	FA
Visual Arts	5	ART 110, ART 130, ART 131, and/or ART 197	3-6 ¹	

¹ Decision based on review of portfolio by Department of Art and Art History

² 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.

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 Examining Board.

AICE Subject	Grade	UA Course Equivalent	Credit	Core Designation
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	N
Biology (A-Level)	A - E	BSC 114, BSC 115, BSC 116 & BSC 117	8	N
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	N
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	SB
English Language (AS-Level)	A - E	EN 101	3	FC
Environmental Management (AS-Level)	A - E	GY 197	3	
French Language (AS-Level)	A - E	FR 101	4	FL
French Language (A-Level)	A - E	FR 101 & FR 102	8	FL
French Literature (AS-Level)	A - E	FR 197	3	
Further Mathematics (A-Level)	A - E	MATH 125 & MATH 126	8	M
General Paper (AS-Level)	A - E	NEW 197	3	
Geography (AS-Level)	A - E	GY 105	3	SB
Geography (A-Level)	A - E	GY 102 & GY 197	7	N
German Language (AS-Level)	A - E	GN 101	4	FL
German Language (A-Level)	A - E	GN 101 & GN 102	8	FL
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	FC
Latin (AS-Level)	A - E	LA 101	3	FL
Literature in English (AS-Level)	A - E	EN 101 & EN 102	6	FC
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	M
Mathematics (A-Level)	A - E	MATH 125 & MATH 197	7	M
Music (AS-Level)	A - E	MUS 197	3	
Music (A-Level)	A - E	MUS 121 & MUS 197	6	FA
Physics (AS-Level)	A - E	PH 197	4	
Physics (A-Level)	A - E	PH 101 & PH 102	8	N
Psychology (AS-Level)	A - E	PY 101	3	SB
Psychology (A-Level)	A - E	PY 101 & PY 197	6	SB
Sociology (AS-Level)	A - E	SOC 101	3	SB
Sociology (A-Level)	A - E	SOC 101 & SOC 197	6	SB
Spanish Language (AS-Level)	A - E	SP 101	4	FL
Spanish Language (A-Level)	A - E	SP 101 & SP 102	8	FL
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

¹ Decision based on review of portfolio by Department of Art and Art History

Student-Athlete Satisfactory Progress

A student-athlete who has completed at least one academic year in residence at The University of Alabama shall be required to satisfy minimum academic progress requirements for continuing athletic eligibility. In addition to the stated academic requirements for continued enrollment at The University of Alabama, a student-athlete must satisfy the academic progress requirements of the Southeastern Conference and of the National Collegiate Athletic Association in order to remain eligible for athletics-related financial aid and for practice and participation in varsity sports. A student-athlete should visit Compliance at rolltide.com/compliance and read the Student-Athletes tab in its entirety.

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).

The University of Alabama transfer credit policy is designed to facilitate the transfer of students and their coursework from one college or university to another, assure the maximum utilization of work accomplished at another institution and encourage students to advance toward graduation in four years.

General Transfer Credit Policy

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 University of Alabama catalog in effect for the semester and year in which the student enrolls at the University. A University of Alabama equivalent course, discipline specific elective or general elective will be assigned based on comparability of the course content.

Accreditation

- Collegiate work will be considered for transfer credit from postsecondary institutions that offer the baccalaureate degree or associate's degree leading to the baccalaureate degree and are fully accredited by one of the six 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
 - Higher Learning Commission
 - New England Association of Schools and Colleges, Commission on Institutions of Higher Education
 - Northwest Commission on Colleges and Universities
 - Southern Association of Colleges and Schools, Commission on Colleges
 - Western Association of Schools and Colleges

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. Credit and placement decisions are based on recommendations of the American Association of Collegiate Registrars and Admissions Officers, National Association of Foreign Student Advisors and selected other professional organizations and agencies evaluating foreign educational institutions, i.e., World Education Services (WES), New York, NY.
- credits are converted to semester credits by multiplying the number of quarter credits by 0.66.
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 towards 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.

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 staff of the 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.
7. Credit is granted based on coursework earned, not degrees. Students transferring to The University of Alabama with an associate's degree will not automatically be granted junior standing.
 8. 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 higher education grade point average, 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. Credit in which a grade of "F" was earned is 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 higher education grade point average.

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 University of Alabama transfer credit for coursework 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 awards credits earned in semester hours. Earned hours assigned to coursework completed at institutions on non-semester-based academic calendars will be converted and reported on The University of Alabama transcript as semester hours. The most common non-semester based academic calendar is the quarter system. Quarter
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 postsecondary 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 are determined to not have a direct University of Alabama equivalent but deemed worthy of core credit 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 under a subject area taught at The University of Alabama, the course will be awarded 197 or 397 credit in conjunction with the appropriate subject area 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 under a subject area 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 transferred 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 be included on the student's transcript and included in the calculation of the student's higher education grade point average.

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 grade point average and applying transferred 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, but not limited to, Advanced Placement (AP) (p. 13) program, the International Baccalaureate (IB) (p. 13) program, General Certificate of Education (GCE) Advanced and Advanced Subsidiary Level Exams (p. 13) and the College Level Examination Program (CLEP) (p. 13).

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% 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), and
- The minimum of 25% of the coursework required for the degree that must be earned at The University of Alabama.

Study Abroad

All University of Alabama students doing research, internships or academic credit programs abroad will work through the Capstone International Academic Programs office. Each college will evaluate the course(s) (appropriate to the division) taken through study abroad. International programs must equate to accredited college or university level work and not simply a travel experience.

The college that is responsible for the discipline will evaluate the course(s) taken overseas. When a transcript is received with work from a University of Alabama affiliated study abroad program on an international transcript, the classes will be posted as institutional coursework with pass/fail grades. 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 transcript and calculated into the higher education grade point average.

University of Alabama course equivalencies will be based primarily on the content to be covered in the international course and the consistent, direct, pedagogical correlation (discipline, course content, course level and course credit) between the international course requirements and how they equate to University of Alabama coursework and credit hours.

Capstone International Academic Programs requires that a student who will receive credit from an international institution have all of the primary and alternate courses he/she plans to take overseas evaluated by the

appropriate academic division prior to studying abroad and documented on the Course Equivalency Form.

Some circumstances may prevent the course equivalencies from being determined prior to the student's departure. In this case, the course(s) taken will be evaluated when the student returns from studying abroad. At the end of the study abroad program, the student must bring back all course documents, syllabi and textbooks from the courses taken overseas to aid in this process. Additionally, in the event that the courses that were approved prior to departure are not the courses actually taken abroad, the student must bring back all course documents, syllabi and textbooks in order to facilitate the equivalency process and receive credit for work abroad.

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 (UA) 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 UA. UA 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. At the discretion of the student's academic department, some elective credits may be allowed to satisfy specific degree requirements by substitution.

Each service member will receive at least 4 hours of military science elective credit for their military experience documented on the JST. Any additional credit awarded may be comprised of direct UA equivalencies, discipline specific electives, physical education electives or general electives as determined by UA Transfer Credit Evaluators. 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 declared optional credit recommendations will be viewed 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. At the discretion of the student's academic department, some upper level elective credits may be allowed to satisfy specific degree requirements by substitution.

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 about the course in question in order to initiate an appeal of the evaluation. Supporting documentation can include, but is not limited to, a course outline, syllabus or textbook. If a student disagrees with an evaluation of credit from a non-traditional source, the student must submit further written information about the

training including number of hours of the training, information about the training source, accreditation, etc., in order to initiate an appeal of the evaluation.

The Office of the University Registrar, in coordination with the academic discipline, will consider amending the original evaluation if, after review of supporting documentation, a change is warranted. If the student disagrees with the second evaluation, the student may file an appeal with dean of their college of enrollment. If the appeal is denied, the student will be given a reason for denial in writing.

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 adviser before changing the schedule, as changes can result in delayed graduation. Also, dropping below full-time status may impact insurance (health & 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 tenth 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 summer session.

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 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. 281) section of this catalog provides information regarding the effects of withdrawal upon tuition and fee payments and financial aid.

Withdrawal for Medical Reasons

Policy: The Medical Withdrawal policy of The University of Alabama establishes procedures to follow when a student suffers from a physical, emotional or psychological condition that significantly impairs their 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 course work 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 took no final exam(s) or otherwise completed no course work 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 denial or revocation of the Medical Withdrawal.

Academic Impact: Medical Withdrawal, when approved, removes 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 of their 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 shall make an individualized assessment before deciding to approve or deny the request and determining the effective date of the withdrawal. 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* (forms available at www.shc.ua.edu) and send the completed form by fax (205-348-7174) or mail to The Student Health Center, Medical Withdrawal, 750 5th Ave East, Tuscaloosa, AL 35401.

2.A student **must** have a licensed medical practitioner (physician, nurse practitioner, or mental health professional) submit a completed *Licensed Practitioner Recommendation for Medical Withdrawal Form* (forms available at www.shc.ua.edu) by fax (205-348-7174) or mail to The Student Health Center, Medical Withdrawal, 750 5th Ave East, Tuscaloosa, AL 35401.

The licensed medical professional shall be the one who is currently treating the student for the condition(s) related to the withdrawal 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 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 they cannot act on behalf of themselves, the student's parent or legal guardian should contact the SHC 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 their ability to function successfully or safely as a student. The designated SHC physician shall determine the effective date for the medical withdrawal.

2.**Retroactive Medical Withdrawal.** A timely withdrawal for a previous semester must be made within six months of the end of 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.

Medical Withdrawal Requests submitted outside of the semester in question, and beyond the required six months 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 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 on the student's official transcript by the registrar.
 2. If the approved medical withdrawal effective date pre-dates an approved non-medical withdrawal, again, the earlier date will be applied on the official transcript by the registrar.

Return to the University Following Medical Withdrawal

When the medical withdrawal is approved, a SHC representative shall contact the Office of the University Registrar to initiate 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.

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 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 *Recommendation for Return to Campus* form (forms available at www.shc.ua.edu) must be submitted to the Student Health Center/Medical Withdrawal by mail (750 5th Avenue, Tuscaloosa, AL 35401) or by fax (205-348-7174).

Upon receipt of the required *Recommendation for Return to Campus* 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 their 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 prior to the student's return to discuss or review a plan for sustained health. Recommendations shall 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 e-mail to their university account. A student may appeal that decision by submitting an appeal letter in writing to the university's provost by email (provost@ua.edu) or fax (205-348-9137) within fourteen (14) calendar days of receiving the SHC physician's decision. The provost, or provost's designee, shall review the matter and make a final determination as to the student's ability to return.

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 <http://studentreceivables.ua.edu/withdrawal.html> for the financial impact of withdrawals at different stages in the semester.

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.

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 he/she intends to return to the University. Graduate students should also provide documentation to the Graduate 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 his/her 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/she intends to return to the University. Graduate students should also provide documentation to the Graduate 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.

Academic Records

Academic Calendar Year

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. 22)

Department, Program and Course Alpha Symbols

Learn which symbol and division matches each department, program or course. Read more. (p. 251)

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 post secondary

institutions and accepted for credit at The University of Alabama in accordance with the Transfer Credit Policy. Read more. (p. 253)

Honors

A dean’s list of superior students is compiled and published at the close of each semester. Read more. (p. 256)

Transcripts

Official transcripts are issued by the Office of the University Registrar to recognized institutions and agencies that require these documents. Read more. (p. 256)

Academic Calendar Year

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 semester credit hours earned
Sophomore	31-60 semester credit hours earned
Junior	61-90 semester credit hours earned
Senior	91 or more semester credit hours earned

Law Students

Second-year law student	30 hours earned in law courses
Third-year law student	56 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 advisers 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

AAST100 "Call and Response"

Hours 1

This course is designed to generate student interest and excitement in African American Studies by giving students opportunities to explore facets of African American cultural experiences. Following an interdisciplinary approach, this course will allow students to discover the rich diversity of African American cultural practices such as music, visual arts, literature, storytelling, dance, and religious practice. This course allows students at UA and UAB to experience the expertise of faculty from both institutions. It is also web-enhanced and has components on both UA's and UAB's BlackBoard systems for which UA and UAB students will access.

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

AAST202 African American Lives

Hours 3

A cultural approach to African American lives, exploring the role of the individual, biography, and narrative in African American history and culture.

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)?.

AAST226 Themes from Africa to America

Hours 3

An examination of the spread of religious life in the African America's emphasizing present institutions and practices; its African roots, its shape and function during slavery and its development from Emancipation to the 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.

AAST320 20th Century Black History

Hours 3

The interrelationship of blacks and the industrial-urban environment of the United States.

AAST321 African American Folk Art

Hours 3

This course will focus on analysis of object, created by African Americans variously classified as folk, self-taught, outsider artists. Material will address African origins. American transformations of traditional arts and crafts.

AAST340 Women in the South

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.

AAST341 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.

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.

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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this course.

Writing

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. We 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. You 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.

AAST488 Adv Study African American Lit

Hours 3

A special topics course that focuses on issues in African American literature.

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.

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 Foundations Of The Usaf

Hours 1

'The Foundations of the United States Air Force,' is a survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Featured topics include: overview of ROTC, special programs offered through ROTC, mission and organization of the Air Force, brief history of the Air Force, introduction to leadership and leadership related issues, Air Force Core Values, Air Force officer opportunities, and an introduction to communication studies. AFS 101 Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

AFS120 Foundations Of The Usaf

Hours 1

The Foundations of the United States Air Force is a survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Featured topics include: overview of ROTC, special programs offered through ROTC, mission and organization of the Air Force, brief history of the Air Force, introduction to leadership and leadership related issues, Air Force Core Values, Air Force officer opportunities, and an introduction to communication studies. Leadership Laboratory is mandatory for AFROTC cadets and complements this course by providing cadets with followership experiences.

Prerequisite(s) with concurrency:

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 USAF Leadership Studies

Hours 3

A study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course. Students enrolled in AFS 350 and AFS 360 courses are AS 300-level cadets who are in their junior year of AFROTC program, unless approved otherwise.

AFS360 USAF Leadership Studies

Hours 3

A study of leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, leadership ethics, and communication skills required of an Air Force junior officer. Case studies are used to examine Air Force leadership and management situations as a means of demonstrating and exercising practical application of the concepts being studied. A mandatory. A mandatory Leadership Laboratory complements this course by providing advanced leadership experiences in officer-type activities, giving students the opportunity to apply leadership and management principles of this course. Students enrolled in AFS 350 and AFS 360 courses are AS 300-level cadets who are in their junior year of AFROTC program, unless approved otherwise.

AFS401 Leadership Laboratory

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for fourth-year AFROTC cadets.

AFS402 Leadership Laboratory

Hours 1

Leadership Laboratory (LLAB) is a dynamic and integrated grouping of leadership developmental activities designed to meet the needs and expectations of prospective Air Force second lieutenants and complement the AFROTC academic program. Provides an introduction to the military profession, including applications in leadership, drill and ceremony, customs and courtesies and communication service. This course is for fourth-year AFROTC cadets.

AFS470 National Security Affair

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 National Security Affair

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.

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 Studies: Arts and Values

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 Intro American Studies: Globalization, Nationalism, and Regionalism

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

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.

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

AMS225 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)?

Prerequisite(s): None

AMS231 Contemporary America

HU

Hours 3

This course has two principal objectives. Students will analyze the changing nature of American cultural values for the period dating from the early 1970s to the present. By placing materials drawn from literature, film, the visual arts, music, and popular culture within broader social and historical contexts, students will examine key developments in the everyday life patterns and cultural expressions of Americans in contexts that range from the local to the international. In addition, the course will familiarize students with a sampling of the interdisciplinary methodologies applicable to work in the field of American studies (e.g., analysis of images and primary documents, oral history, and ethnography). Offered fall semester.

Humanities

AMS251 American Folklore

Hours 3

Survey and analysis of such genres of American vernacular expression as legends, ghost tales, humor, music, and sermons as they express and shape particular regional and/or ethnic American identities. Course materials include ethnographic writing, sound recordings, film, and folklore scholarship. Attention also given to the competing and sometimes contradictory definitions of "folk" culture from the 19th century to the present.

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.

AMS304 Civil War Still Lives!: Race, Memory, and 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. We will pay particular attention to the way in which the war has been remembered and commemorated here at the University of Alabama.

Prerequisite(s): 6 SH of humanities or social sciences or permission of the instructor.

AMS310 The Latino/Latina Experience

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 Latino/Latina groups: those of Mexican, Puerto Rican, Cuban and Dominican descent. Students will become familiar with issues that have affected different Latina/os populations in the United States: migration patterns, cultural interaction, community and cultural formation; and racial formations. We will also examine relations among Latina/os and European immigrants, and consider the affects of US intervention and imperialism in Latin America on US Latino 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.

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

AMS315 United States Labor Since 1865

Hours 3

Examines the history of workers - men and women, paid and unpaid, of different racial and ethnic groups, in different regions of the United States - from 1865 to the present.

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

AMS316 Labor on Film

Hours 3

This course examines the ability of film to successfully portray the history of labor in the US and how present events and attitudes shape portrayals of past events.

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

AMS318 Amusement and Tourism in America

Hours 3

The course explores varied forms of leisure culture that emerged in the 19th century and exploded in popularity throughout the 20th century. The course examines leisure culture as a vibrant component of American social, economic, and aesthetic history. Using travel narratives and fictional works, along with historical critiques, art, and other popular culture documents, the course explores Americans as they tour the nation, take vacations, and seek amusement. The course provides a framework for understanding the centrality of leisure as it has influenced how Americans see themselves and their national character.

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

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.

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

AMS323 Into the Wild: Nature and American Popular Imagination

W

Hours 3

This course examines the often contentious and always passionate American relationship with “nature,” an idea as much as a physical reality. The history of the United States has always had at its center a conflict between its political and social aspirations, on the one hand, and its passionate devotion to and celebration of the natural landscape, on the other. The resulting tension provides a wealth of subjects worthy of critical analysis. Students will 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—prose, poetry, art, music, and design, etc.—as well as cultural practices, from camping out to making dinner. The course explores how “nature” has influenced American culture at large, its history and mainstream values. Students will encounter a wide range of intellectual and emotional interactions with the natural world and be asked to consider, in addition, their own relationship to it.

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

Writing

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.

AMS327 The American Western

Hours 3

Since its creation toward the close of the 19th century, the western has been the most popular genre in American film history. No popular genre has generated anything like the kind of sustained attention, enthusiasm, interest, passion, anger, or debate as the American western. Which is the focus of the course: a chronological treatment of the on-going relationship between the western film and the meaning of modern America.

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

AMS335 American Pop Music

W

Hours 3

Recent scholarship has shifted popular music history from folk roots and rock rebellion to pop: commercial, accommodating, but no less fascinating amalgamations. This class will range from blackface minstrelsy in the 1800s to American Idol today, defining mainstreams rather than undergrounds. Pop music performed capitalism, but it also performed democracy. Sorting out that process will be the task.

Prerequisite(s): Six Semester Hours of Humanities and/or Social Sciences or Instructor's Permission.

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): Six Semester Hours of American Studies or Instructor's Permission.

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.

AMS364 The Beatles Era

Hours 3

Interdisciplinary investigation of American culture from the Kennedy assassination in 1963 to the Kent State University massacre in 1970 using the popular cultural explosion of the Beatles as a prism that informs the whole.

Prerequisite(s): Six Semester Hours of Humanities and/or Social Science Courses or Instructor's Permission

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

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.

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

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 within this discipline is required for a passing grade in this course.

Writing

AMS412 On The Road

W

Hours 3

This course seeks to introduce the breadth and power of the travel culture that defines "America" and examines enduring features when writers take to the open road in America. Writing proficiency within this discipline is required for a passing grade in this course.

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

Writing

AMS415 Service Learning

Hours 3

Course examines immigrant journey and life in American South to gain an understanding of historical and contemporary issues through research and service.

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

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. 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.

Prerequisite(s): Permission of the instructor.

Writing

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

Hours 3

This course begins with the premise that Mark Twain is alive and well. The course will balance consideration of the life, work, and times of America's most celebrated author as well as his impact on popular culture to this day—from film adaptations of his work, to pop-culture references, to the traditions of American humor, to tourists abroad, etc. Students will examine Mark Twain as the "Lincoln of Our Literature" and as an American icon. The course will require careful consideration of the life and work of Samuel Clemens, the man who would later become Mark Twain, the most famous American of the late nineteenth and early twentieth century. We will read and discuss several of his works in context with his times, and we will explore how his legacy affects our own. Why was he so popular, and why does he remain so popular? Students will encounter a wide range of intellectual and emotional interactions with American culture through the mind of Mark Twain, and, likewise, filter much of American popular culture through the lens of the world he created and reported to the world in his literary output. Students will consider, in addition, their own relationship to Mark Twain's America.

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

AMS421 Writer & Artist in America

W

Hours 3

An examination of the changing social and cultural background of American writers and artists during the 19th and 20th centuries. Topics will include the definition of the developing role of the artist in American culture, and assessment of the American and European influences on artists, and an appraisal of the influence of artists on American culture. Painting, literature, music, photography, and architecture are among the arts dealt with.

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.

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.

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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this course.

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

Writing

AMS446 Gender and Environment

W

Hours 3

This course examines histories of concepts of nature and gender, philosophies of eco-feminism, and accounts of gender-based efforts for environmental reform. Texts include histories of environmental concepts and reform campaigns, broadly conceived, including slave narratives, accounts of experiences in the women's club movement, the conservation movement, and Progressive Era occupational and public health reform, along with more well-known twentieth century nature writers, contemporary scholars, and activists. Particular attention is paid to women whose identities are defined in part by their status as immigrants, women of color, or in other marginalized categories. Case studies explore global environmental reform as well as U.S. experiences. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

AMS460 Race & Ethnicity in US Labor

Hours 3

This course is designed to familiarize students with the important topics, themes, and methodologies in the study of race and ethnicity in U.S. labor. Throughout the semester, the class will examine the lives of working women and men and their roles in the social, political, and economic development of the United States. The class will analyze the roll of gender, race, and ethnicity at home and in the workplace and examine how scholars have studied the people, events and institutions in this field.

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

AMS465 Fictions of American Identity

W

Hours 3

An examination of American literature and culture from before the Civil War until after the Civil Rights Movement. Representations of American experience in essays, novels, poems, short stories, social reformist tracts, and the visual arts will be studied in the context of social and political debates over slavery, national identity, women's roles, immigration and assimilation, social mobility, urbanization, sexual mores, consumer culture, and race relations. Writing proficiency within this discipline is required for a passing grade in this 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 'Americanness'? Is 'encounter' a single event, or a long process? This course meets a college core writing requirement; a demonstration of writing proficiency is required for a passing grade in this course.

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

Writing

AMS476 Constructing the American Rev.

W

Hours 3

From the Declaration of Independence to the Civil War, Americans have continually tried to provide narrative shape and cultural significance to their national origins. Through the analysis of primary and secondary sources (political tracts, art works, histories, biographies, fiction, and other artifacts), this course will explore the relationship between the eighteenth-century revolutionaries' and their nineteenth-century heirs' cultural construction of the Revolution. Simply put, this course is about how people in the past have thought about their own past. Writing proficiency within this discipline is required for a passing grade in this course.

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

Writing

AMS480 Democracy in America

Hours 3

Throughout the first half of the nineteenth century, Americans prided themselves on their democratic politics, industrial progress, science and technology, religious faiths, capitalist tendencies, and control over nature. No other person captured the essence of American society and manners more than the French aristocrat, Alex de Tocqueville, who traveled to the United States in the 1830s and published his famous work, *Democracy in America*. Using Tocqueville's observations as well as fiction, autobiography, painting, politics, and more, this course explores how ordinary Americans presented themselves as a democratic people from 1800 to 1865.

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

AMS491 American Period Seminar

Hours 3

In-depth study of a particular period or era in American historical experience. Recent examples include the Ragtime Era, the Jazz Age, the Great Depression, the Season of 1954-55, the '60s, Contemporary America, the Romantic Revolutionaries (1905-14), the Postwar Era, American Avant Garde, the South and '30s Expression, the Civil Rights Movement, the American '20s, the '50s, America between the Wars, the Colonial Period, the Aspirin Age, Postmodern America, Contemporary America, and Writing West.

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

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 Intro To Anthropology

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. SB Credit.

Social and Behavioral Sciences

ANT102 Intro 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 Indians Of North America

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.

ANT107 Intro To Archaeology

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.

ANT113 Indians Of Deep South

Hours 3

Introduction to the Native Americans of Alabama and their nearby neighbors. Focuses on describing and explaining lifeways of indigenous peoples using ethnographic, ethnohistoric, and archaeological studies.

ANT150 Evolution for Everyone

Hours 3

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

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, preproductive 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

ANT215 Anthropology in Movies and Fiction

Hours 3

Compares portrayals of anthropologists and core anthropological issues in movies and fiction to anthropological perspectives and scholarship.

ANT216 Ethnographic Cinema

Hours 3

This course is a survey of the history of ethnographic cinema. Students in this class will learn this history by viewing important ethnographic films and by discussing and critiquing the visual representation of culture and society in anthropology.

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.

ANT269 Field Archaeology

Hours 6-12

In this course students and the supervising archaeologists work together as a research team on an archaeological excavation. Students learn basic excavation techniques and skills: how to identify, map, measure, recover, record, and process archaeological data. At the conclusion of the course, students will have excavation experience and insights into the archaeological research process.

ANT270 Introduction to Biological Anthropology

Hours 0-3

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.

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.

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

ANT318 Ancient Cities & Empires

Hours 3

A comparative study of ancient cities and empires with examples from the Old and New Worlds.

Prerequisite(s): ANT 100 or ANT 103 or ANT 107

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.

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

Writing

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.

ANT402 Gender Ethnicity & Health
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.

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

Writing

ANT403 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

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

ANT408 Ancient Mexican Civilization

Hours 3

Survey of the origins and development of ancient civilizations in Mexico.

Prerequisite(s): ANT 107

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 to anthropological and applied problems. For undergraduates, 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. Graduate students will produce a research report worthy of submission to a research conference of their professional scholarly organization. All 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, & 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 within this discipline is required for a passing grade in this course.

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

Writing

ANT412 Peoples Of Europe
W

Hours 3

A review of selected aspects of the customs, social systems, and cultures of European societies. Writing proficiency within this discipline is required for a passing grade in this course.

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 within this discipline is required for a passing grade in this course.

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

Writing

ANT417 Peoples Of Asia

Hours 3

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

Prerequisite(s): ANT 100 or ANT 102

ANT418 Dev Non-West Cultures

Hours 3

Theoretical and descriptive study of social change and development in non-Western societies. Major emphasis is placed on the effects of change on indigenous institutions. Both ethnographic and theoretical literature are examined.

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): ANT 102 or REL 100

Writing

ANT421 Ethnography

Hours 3

Students work with University Libraries to develop research to address changes in information technology and the impact of such changes for UA students. Emphasizes the research design process as practiced by professional, applied anthropologists, including communicating roles and expectations with client stakeholders, developing testable hypotheses, operationalizing variables, and determining project scope, timeline, and budget.

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

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.

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

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.

ANT432 Readings In Anthropology

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.

ANT436 Social Structure

Hours 3

Social organization and structure, social life and institutions (especially in non-literate societies), kinship, descent groups, marriage, residence, and local group composition. Offered every third semester.

Prerequisite(s): ANT 100 or ANT 102

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.

ANT440 Culture

W

Hours 3

A selective review of past and contemporary concepts, theories, and methodological approaches adopted by cultural anthropologists. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

ANT441 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. Application and permission of instructor required.

ANT442 Documenting Justice II

Hours 3

Continuation of ANT 441.

Prerequisite(s): ANT 441

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 within this discipline is required for a passing grade in this course.

Writing

ANT445 Historical Archaeology

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.

ANT450 Probs In Anthropology

Hours 3

Devoted to issues not covered in other courses. May be repeated for a maximum of 6 hours.

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.

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

ANT462 Ancient Andean Civilizations

Hours 3

This course examines the cultures of the Andes in South America. It focuses on the rise of civilizations, cities, and empires in the Andes. The course also investigates the emergence, growth, and conquest of the largest indigenous empire in the Americas through a critical reading of archaeological, ethnohistorical, and popular accounts of the Inkas. Throughout this course, students will learn how the cultural practices of the contemporary Andes are still influenced by Inka values and institutions, and how the current Andean political landscape emerged from the dramatic historical process through which the Inka Empire was conquered and disassembled. The course interrogates the dynamic interplay of history, power, and identity within the Andean world, introducing students to the general theoretical interpretations that may be derived from particular ancient societies. The first part of the course analyzes current empirical evidence and theoretical perspectives on how Andean people shaped their environment, built impressive cities, and forged unique religious traditions. The second part of the course emphasizes how the Inkas produced and imagined their empire, as well as its role within the universe. Attention will be given to a comparison of the economic, institutional, and religious structures that undergirded concepts of social authority and political sovereignty within Andean societies, and how these concepts were transformed into the foundations of the Inka Empire. The third part of the course examines how Spanish conquest and colonization transformed the Andean world. Emphasis will be placed on the clash between Spanish and indigenous ideologies and political representations, with particular focus on how this clash fostered the production of new kinds of social classes throughout the Americas. In sum, the course is an intensive introduction to Andean civilizations, while allowing for the discussion of broader anthropological theories regarding the religion, empires, environmental transformation, social class, and the sociopolitical production of history. This course has been designed to expose students to different anthropological and historical perspectives on the indigenous Andes, Inka imperialism, and Spanish colonization. These perspectives include primary sources (Spanish and indigenous chronicles), archaeological accounts, and historical renderings. Lectures and discussions will also focus on how architectural, aesthetic, and narrative representations of Andean peoples have been mobilized for political purposes within contemporary contexts in Perú, and more broadly. In each class, the instructor will provide a critical overview of the material, select students will be expected to comment on the readings, and then all students will participate in a discussion about salient issues within the readings.

Prerequisite(s): ANT 103 or ANT 107

ANT465 Lithic Analysis

Hours 3

Introduction to the basics of analysis of stone tools, their manufacture, and their use by means of microscopic and macroscopic approaches.

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

ANT467 Methods Prehistoric Iconography

Hours 3

An exploration of the concepts and methods used by prehistoric archaeologists to impute meanings in representational art.

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

Prerequisite(s) with concurrency: banner sync

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 Biology, Culture, & Evolution

W

Hours 3

An introduction to the biocultural and evolutionary bases of human adaptability. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): ANT 270

Writing

ANT476 Nutritional Anthropology

W

Hours 3

Introduction to anthropological inquiries in nutrition (including food habits, food systems, and dietary variability) from a cross-cultural perspective. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

ANT478 Anthro 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

ANT480 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; BSC 220; & ANT 270, PHL 380 OR GEO 102

ARB101 Elementary Arabic

FL

Hours 4

Students will learn the spoken and written language of Modern Standard Arabic. This course is intended for students with NO PRIOR KNOWLEDGE of Arabic. 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

ARB102 Elementary Arabic

FL

Hours 4

Course is a continuation of ARB 101. Students will learn the spoken and written language. Native speakers or near native speakers of the language are NOT allowed to enroll.

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

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

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.

ARH351 Ancient Art

Hours 3

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

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

ARH355 Chinese Painting

W

Hours 3

Survey of Chinese pictorial art from the Bronze Age to the present day. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

ARH356 Japanese Painting & Prints

W

Hours 3

Survey of painting and woodblock prints of Japan. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

ARH358 Islamic Art and Architecture

Hours 3

A survey of the material and artistic products of the Islamic world, from the seventh to seventeenth centuries.

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

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

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.

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

Writing

ARH362 Medieval Art

Hours 3

This course examines the wealth of visual and material cultures of Europe and the broader Mediterranean from roughly 1000-1250. 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. Various course themes may include the natures of religious and devotional art; the intersections between faith and power; the influence of non-Western societies and artworks on Western medieval culture; and the various roles of art in medieval societies. Objects and monuments will be explored within their relevant social, political, religious, cultural and historical contexts.

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

ARH363 Masterpieces Of Spanish Art

Hours 3

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

ARH364 Renaissance Art

Hours 3

Survey of 15th- and 16th-century painting, sculpture, and architecture in Europe.

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

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 within this discipline is required for a passing grade in this 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): 6 hours of 200 level Art History courses or permission of the instructor.

ARH375 Nineteenth Century Art

Hours 3

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

ARH376 American Architecture

Hours 3

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

ARH377 American Painting & Sculpture

W

Hours 3

American painting and sculpture from the colonial period to the 20th century. Writing proficiency within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this course.

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

Writing

ARH381 Art Since World War II

Hours 3

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

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

ARH385 Early 20th Century Art

Hours 3

Painting and sculpture from Impressionism to World War II.

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

ARH388 African American Art

Hours 3

African American art from the colonial era to the 20th century.

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

ARH400 Photographic Discourse

W

Hours 3

Study of the history of photography, with a particular emphasis on photographic culture and reproduction. Writing proficiency (within this discipline) is required for a passing grade in this 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

Hours 3

Selected topics in the art of China and Japan.

ARH456 The Arts Of Buddhism

Hours 3

Major movements and styles inherent in the artistic products of India, China, Japan, Southeast Asia, Tibet, and Nepal.

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

ARH461 Topics in Medieval Art

Hours 3

Selected topics in the art and architecture of the Middle Ages.

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

ARH467 Topics Renaissance and Baroque Art

Hours 3

Study of selected themes in Renaissance or Baroque art. May be repeated for a maximum of 9 hours.

Prerequisite(s): 9 hours of 200- and 300-level art history courses or permission of the instructor.

ARH477 Topics in American Art

Hours 3

Study of a selected theme in American art or architecture. May be repeated for a maximum of 12 hours.

Prerequisite(s): ARH 376 or 377 AND 9 additional hours of 200- and 300-level art history courses OR permission of the instructor.

ARH481 Topics 20th Century Art

Hours 3

Study of selected themes in modern and contemporary art. May be repeated for a maximum of 6 hours.

ARH488 Topics in African American Art

Hours 3

Study of selected topics or themes in African American Art. May be repeated for a maximum of 12 hours.

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

ARH490 Theories and Methods of Art History

Hours 3

Study of the theories and methods of art history.

Prerequisite(s): 12 hours of Art History courses or permission of the instructor.

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.

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.

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 Photography

Hours 3

Study of photography and photographic processes employed as creative media. Basic black-and-white processing and printing.

Prerequisite(s): ART 110 or ART 130

ART220 Printmaking

Hours 3

Survey of printmaking processes including intaglio, relief, screen print, and lithography.

Prerequisite(s): ART 110 or ART 130

ART222 Sculpture

Hours 3

Introduction to basic sculptural skills - including plaster, wood, aluminum casting, direct construction, and various mixed materials and techniques - with emphasis on craftsmanship, content, and idea development.

Prerequisite(s): ART 131 OR permission from the instructor

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

ART251 Reboot/Remix

FA, HU

Hours 3

This course examines contemporary art through its relationship to three familiar popular culture phenomena: gaming and simulated environments; popular music; graphic novels and comics.

Fine Arts, Humanities

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 within this discipline is required for a passing grade in this 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.

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.

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 or ART 224

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 216, 305 or 316, or by permission of the instructor.

ART318 Photography

Hours 3

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

Prerequisite(s): ART 218

ART319 Photography

Hours 3

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

Prerequisite(s): ART 318

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.

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.

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 such as metal casting, fabrication, rubber, leather, wood, and stone fabrication.

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.

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.

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

ART326 Digital Art: The Narrative

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 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.

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

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 328 or permission of the instructor.

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.

ART380 Art Museum Practices

Hours 3

An overview of art museum practices. Students acquire informed perspectives on the general operations, strategies, policies, and practices inherent in a small art museum.

ART406 Independent Studies

Hours 3

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

Topics not taught in the regular studio curriculum such as Photo-based Printmaking, Water Media on Paper, Digital Design Applications, Figurative Modeling and Sculpture, and Alternative Photographic Processes.

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.

Prerequisite(s): ART 110, ART 210, ART 310, ART 344, and ART 444 or by permission of the instructor.

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

Hours 3-6

Preparation of a graphic design portfolio. Enrollment for 4, 5, or 6 hours requires permission of the instructor. May be repeated for a maximum of 12 hours.

Prerequisite(s): ART 314 or ART 315

ART415 Graphic Design Practicum

Hours 3

Partnering agencies with design apprentices for hands-on training. Students are required to work no less than 10 hours per week.

Prerequisite(s): ART 414

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

Emphasis on individual approaches to advanced photographic practice (analog or digital) resulting in a cohesive body of work suitable for exhibition. May be repeated for a maximum of 12 hours.

Prerequisite(s): ART 318 or ART 328 or permission of the instructor.

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

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

ART424 Digital Art Seminar

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.

Prerequisite(s): ART 328

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 110, ART 210, ART 310, ART344 or by permission of the instructor.

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

AS299 Junior Seminar

Hours 1

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

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 completed AY101 or a more advanced astronomy course; people concurrently enrolled in AY101 or AY204 can be admitted with the permission of the instructor 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 within this discipline is required for a passing grade in this 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

(refer to AY 491 Independent Study I).

BSC108 Intro Biology Non Maj I

N

Hours 4

Lecture and laboratory. Not open to biology majors or minors, pre-health professions students, or students with credit for BSC 114:115 and BSC 116:117 (or the honors equivalents, BSC 118 and BSC 120). 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

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

No description available

Prerequisite(s): BSC 114

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 104 or CH 117; and CH 102 or CH 105 or CH 118; and 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

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; and BSC 116; and BSC 117 or BSC 120

Prerequisite(s) with concurrency: CH 231

BSC311 Gen Bacteriol & Physiol

Hours 3

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

Prerequisite(s): BSC 310 and CH 232

BSC312 Microbiology Lab

Hours 2

General microbiology laboratory to accompany BSC 310.

Prerequisite(s): BSC 310

Prerequisite(s) with concurrency: BSC 310

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 within this discipline is required for a passing grade in this 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 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.

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

Hours 4

Lecture and laboratory. Introduction to the biology of embryophytes with emphasis on their development, evolution, and ecology.

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

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

BSC376 Invertebrate Zoology

W

Hours 4

Lecture and laboratory. The classification, morphology, evolution, and ecology of invertebrate animals.

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

Writing

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 and CS 102

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 2

Offered irregularly.

Prerequisite(s): BSC 385

Prerequisite(s) with concurrency: 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

Hours 2

Outreach course that includes survey of the literature relating to a topic approved by instructor. Design of active learning projects to emphasize a basic biological concept and teaching basic science concepts to elementary students. 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

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

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.

Prerequisite(s): BSC 398

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.

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

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 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 360 or BSC 373 or BSC 376 or BSC 483

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-

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

BSC428 Biology Of Fishes

W

Hours 4

Lecture and laboratory. Survey of the structure, function, ecology, and classification of fishes. Offered in alternate years.

Prerequisite(s): BSC 385

Writing

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 Mibrobiol 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

BSC436 Immunology Laboratory

W

Hours 3

Practical experience in modern immunological techniques. Offered in alternate years.

Prerequisite(s): BSC 435

Prerequisite(s) with concurrency: BSC 435

Writing

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

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.

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

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

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

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.

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

Lecture and laboratory. Freshwater and marine algae: their structure, development, taxonomy, and distribution.

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

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.

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.

Prerequisite(s): BSC 310

Writing

BSC475 General Entomology

W

Hours 4

Lecture and laboratory. Survey of the structure, function, classification, and habits of insects.

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

BSC480 Plant Ecology

W

Hours 3

This course will examine the ecology of plants at different levels: individual, population and community.

Prerequisite(s): BSC 385 and 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

Hours 3

Thorough investigation of evolution, including population genetics, molecular evolution, adaptation, and speciation. Offered in the spring semester.

Prerequisite(s): BSC 385 and BSC 315

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 3

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

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

BSC493 Cell Cycle Regulation

W

Hours 3

In-depth review and discussion of recent scientific research literature dealing with mechanisms of eukaryotic cell cycle regulation and their significance in human cancers. Provides a foundation for further studies in the cell cycle field, which impacts many areas of cell, molecular, and developmental biology.

Prerequisite(s): BSC 300 minimum grade of C- and BSC 315 minimum grade of C- and BSC 450 minimum grade of C-.

Writing

BSC496 Bioremediation

W

Hours 3

This course will explore how diverse organisms transform contaminants in soils and groundwater and how microbes/plants interact with environmental conditions present at bioremediation sites. There will be an emphasis on modern molecular methods developed to detect impacted sites, to monitor the effectiveness of bioremediation and/or the presence of contaminant degrading organisms, and the development and potential use of genetically modified organisms to remediate contaminants.

Prerequisite(s): BSC 310 minimum grade of C-

Writing

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 Undergraduate Initiative foundation courses. May be repeated once for credit.

BUI101 Foundation: Origins

HU

Hours 3

A text-centered exploration of major questions that integrate liberal arts education and form the basis of the Blount Undergraduate Initiative. Emphasis is on origins of the natural world, human culture, and human understanding.

Humanities

BUI102 Foundation: Possibilities

SB

Hours 3

A text-centered exploration of major questions that integrate liberal arts education and form the basis of the Blount Undergraduate Initiative. Emphasis is on significant issues in the discourse on human possibilities.

Social and Behavioral Sciences

BUI301 Thematic Seminar

Hours 3

A text-centered study of one of the core problems that define the history of ideas in the liberal arts. May be repeated for a maximum of 12 hours.

BUI401 Blount Capstone Worldviews

Hours 3

An examination of the "worldviews" of various epochs and the completion of a senior project. Students learn how individual beliefs about what is actual, what is possible, and what is desirable can be combined into a single unified understanding of the world, and how such a worldview has implications for what we should do and how we should live.

CC201 Introduction to Cyber Criminology

Hours 3

This course will introduce students to the traditional and contemporary forms of cyber crime, including hacking, insider threat, Internet child pornography use, cyber bullying, and cyber terrorism. Not only will students learn how computers can be either the target or tool in cyber crimes, this course will examine such crimes from both social and behavioral science perspectives, such as the personality traits associated with computer deviance. Finally, this course will provide a general overview of the digital forensic investigation as well as the analysis of digital evidence. No prior knowledge in any of these areas is required.

CC301 Cyber Law and Policy

Hours 3

This course examines cyber criminology from a law and policy perspective, including its impact on Fourth and Fifth Amendment jurisprudence and the changing conceptions of privacy and identity. Topics will focus on the effects of cyber criminology on how criminal laws are conceptualized, enforced, and prosecuted. A central part of the course is a Moot Court component in which students will write a legal brief and argue their side of a cyber-related legal case in front of a panel of lawyers and law students acting as judges.

Prerequisite(s): CC 201

CC395 Internship

Hours 3

An opportunity for students to conduct career exploration and build a record of experience in the field of cyber criminology 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.

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

This course examines the role that technology plays in modern-day policing, and provides students with a detailed overview of how the cyber, digital, and technological worlds have impacted policing historically. In the technology component of the course, students will comprehend computer basics, understanding computer and human networks, and identify the broad range of technologies used by police departments (e.g., less-than-lethal weapons, databases).

Prerequisite(s): CC 201

CC402 Digital Forensic Investigation

Hours 3

This course is a non-technical overview of the digital crime scene. This course aims to answer the question, "How do law enforcement officers investigate the digital crime scene?" This course will cover how digital forensic investigators identify, preserve, and extract digital evidence using different forensic tools and software. This course will also cover the various legal challenges in digital forensic investigations, including admissibility of evidence in courts, right to privacy, and the right to avoid self-incrimination.

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

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.

CD226 Lang & Speech Develop

Hours 3

Theory and practice of normal speech and language processes and sequences.

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.

CD308 Speech Disorders I

Hours 3

An introduction to articulation, phonology, & language disorders in children & adults as well as literacy & aural rehabilitation.

Prerequisite(s): CD 225 CD 226 CD 244 CD 275

CD309 Speech Disorders II

Hours 3

An introduction to aphasia, traumatic brain injury, dementia, dysarthria, and apraxia.

Prerequisite(s): CD 225 CD 226 CD 244 CD 275

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 226 CD 244 CD 275

CD377 Clin Practicum I Speech

W

Hours 3

Supervised clinical practice in speech therapy with children. Open to CD majors only. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): CD 225 CD 226 CD 244 CD 275 CD 277 CD 308 By application only.

Writing

CD378 Clinic Pract II Speech

Hours 1-3

Supervised clinical practice in speech therapy with children.

Prerequisite(s): CD 225 CD 226 CD 244 CD 275 CD 277 CD 308 CD 377 By application only.

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

CD411 Speech Science

Hours 3

A study of speech physiology, basic electronics, basic acoustics, speech acoustics, auditory perception, and neuroanatomy. Class work and laboratory sessions cover speech spectrographic analysis, basic sound measurement, and selected other instrumentation used in the speech and hearing science laboratory.

Prerequisite(s): CD 225 CD 226 CD 244 CD 275

CD416 Multicultural Issues

Hours 3

A framework for systematically analyzing cultural similarities and differences will be provided and will serve as a model to examine cultural differences in the clinical setting.

Prerequisite(s): CD 225 and CD 226 and CD 244

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 226 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): Minimum overall GPA of 2.5 CD 225 CD 226 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.

CD454 Fluency Disorders

Hours 3

The study of the nature, assessment, and treatment of stuttering. Emphasis on understanding the different onset and developmental theories and different approaches to treatment.

Prerequisite(s): CD 225 CD 226 CD 244 CD 275 CD 308

CD455 Voice Disorders

Hours 3

This course is designed to provide basic knowledge and skills needed for the evaluation and treatment of voiced language disorders.

Prerequisite(s): CD 225 CD 226 CD 244 CD 275 CD 308

CD462 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, CD 226, CD 244, and CD 275

CH101 General Chemistry

N

Hours 4

Three lectures and one three-hour laboratory. Degree credit is not awarded for both CH 101 and CH 107 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): MAPL of 467 or higher or ACT of 24 or higher or SAT of 560 or higher or MATH 100 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 MATH 100 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146

Prerequisite(s) with concurrency: MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146

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 108. Continuation of 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 101 or CH 117

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 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 or both CH 117 and CH 107. 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, both CH 118 and CH 105, or both CH 118 and CH 108. 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

CH155 Forensic Science

Hours 3

This course will present an overview of forensic science. The course will focus on processing a crime scene as well as other topics used to connect a suspect to a given crime.

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

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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this course.

Prerequisite(s): CH 341

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

No description available

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): CH 223 and CH 341

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): CH 461

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

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

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 Studies

HU

Hours 3

Designed as the first course to be taken in the Global Studies Certificate Program (15 hours) to introduce 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 Studies Certificate curriculum, both core and emphasis-area courses.

Humanities

CIP202 Introduction to Global Studies: Experiential Learning

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

No description available

CIP402 Abroad Experience

Hours 0

Non-credit Abroad Experience.

CIP403 Out-Going Internation Exchange

Hours 12

No description available
CIP405 Out-Going Internation Exchange

Hours 12

No description available
CIP413 Cip Out-Going Enrollment

Hours 3-18

CIP out-going independent/direct enrollment, Study abroad student, graduate or undergraduate, in-state or out-of-state student.

CIP420 UA Semester in London

Hours 12-16

UA semester in London program run through New College and Capstone International Academic Programs. Students live on the University of Roehampton campus and earn 12-16 credit hours.

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

CJ102 Law Enforcement Technology/Law Enforcement in the Digital Age

Hours 3

This course examines the role that technology plays in modern-day policing, and provides students with a detailed overview of how the cyber, digital, and technological worlds have impacted policing historically. In the technology component of the course, students will comprehend computer basics, understanding computer and human networks, and identify the broad range of technologies used by police departments (e.g., less-than-lethal weapons, databases).

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: loss prevention, control, and risk management.

CJ223 Homeland Security

Hours 3

The course will offer an overview of the United States Department of Homeland Security from its initiation to present day, and the wide range of issues that the department influences, both policy and operational. Additionally, how the United States Department of Homeland Security interacts with state, local, and tribal governments, or law enforcement agencies.

CJ225 Community Based Corrections

Hours 3

A general overview and introduction to the complex world of Community Based Corrections offering a history and development of punishment and implementation of alternative sanctions.

CJ230 Social Inequality in the Criminal Justice System

Hours 3

This course examines 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. It is designed to introduce the student to a range of issues of oppression and social and economic injustice pertinent to the field of criminology and how that affects offenders and others who interact with the criminal justice system.

CJ240 Juvenile Delinquency

Hours 3

Extent and patterns of delinquency; its development in individuals and gangs; group therapy with delinquents; and juvenile courts, training schools, probation, and aftercare supervision.

CJ250 Judicial Process

Hours 3

A general overview of U.S. judicial systems, including recent innovations and future trends.

CJ270 Corrections

Hours 3

A general 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 Criminal Justice. A maximum of six hours may be use toward the major.

Prerequisite(s): CJ 100

CJ300 Survey Criminal Theories

Hours 3

Study of traditional and modern explanations of crime and criminality.

Prerequisite(s): CJ 100

CJ301 Cyber Law and Policy

Hours 3

This course examines cyber criminology from a law and policy perspective, including its impact on Fourth and Fifth Amendment jurisprudence and the changing conceptions of privacy and identity. Topics will focus on the effects of cyber criminology on how criminal laws are conceptualized, enforced, and prosecuted. A central part of the course is a Moot Court component in which students will write a legal brief and argue their side of a cyber-related legal case in front of a panel of lawyers and law students acting as judges.

CJ302 Digital Forensic Investigation

Hours 3

This course is a non-technical overview of the digital crime scene. This course aims to answer the question, "How do law enforcement officers investigate the digital crime scene?" This course will cover how digital forensic investigators identify, preserve, and extract digital evidence using different forensic tools and software. This course will also cover the various legal challenges in digital forensic investigations, including admissibility of evidence in courts, right to privacy, and the right to avoid self-incrimination.

CJ303 Race, Ethnicity, and Crime

Hours 3

Study of the role played by racial minorities at each stage of the criminal justice system. Special attention is devoted to theories and measurement of minority crimes and race relations and to the treatment of minorities by law enforcement officers, courts, and corrections.

Prerequisite(s): CJ 100

CJ304 Gender and Crime

W

Hours 3

This course discusses and analyzes the differential experiences of women in the criminal justice system, focusing mostly on women offenders and victims, but also on hegemonic masculinity's effect on crime. Special attention is given to feminist theoretical explanations of women's experiences in the criminal justice system. Writing proficiency within this discipline is required for a passing grade.

Prerequisite(s): CJ 100

Writing

CJ305 Law and Society

W

Hours 3

Law as an instrument of social control, the functions and limitations of law, and the machinery of law as a part of the larger society. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): CJ 100

Writing

CJ306 History of Crime and Justice

W

Hours 3

Examination in historical sequence of the perspectives on and methods of crime control, from the traditional to the modern. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): CJ 100

Writing

CJ325 Cyber Criminals and Computer Forensics

Hours 3

This course will introduce students to the traditional and contemporary forms of cyber crime, including hacking, insider threat, Internet child pornography use, cyber bullying, and cyber terrorism. Not only will students learn how computers can be either the target or tool in cyber crimes, this course will examine such crimes from both social and behavioral science perspectives, such as the personality traits associated with computer deviance. Finally, this course will provide a general overview of the digital forensic investigation as well as the analysis of digital evidence. No prior knowledge in any of these areas is required.

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

This course is designed to introduce the student to gender and justice issues related to women sentenced to death. Using a series of field trips, guest speakers, videos, and case study analyses will explore the historical, social, political, and legal issues of serving time in female prisons. Special emphasis will be placed on female offenders who have been sentenced to death and those sentenced to life without parole. Also, gendered-related issues comparing the incarceration experiences of female death row inmates to the incarceration experiences of male death row inmates will be examined.

CJ409 Women, Law, and Incarceration

Hours 3

The course examines the various issues that confront women who are incarcerated in state correctional institutions. Additionally, 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 220

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 - Introduction to Criminal Justice

CJ424 Hate Crimes

Hours 3

Adopting a multidisciplinary perspective, this course is designed to survey and critically evaluate various roots and consequences of, as well as contemporary issues involving, hate crimes. Topics are designed to expose the learner to various domains, facilitating a holistic perspective of hate crimes, as reflected by an integration of social science theory, empirical research, and criminal justice and legal practice.

Prerequisite(s): CJ 100

CJ425 Domestic Violence

Hours 3

The course examines violence in the context of domestic situations. The types and causes of acts of domestic violence are explored in historical and contemporary context. Various intervention strategies and preventive measures are examined.

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

CJ430 Drugs, Crime, and Policy

Hours 3

This course examines the current state of drug use, abuse, and trafficking in the United States and throughout the world. It critically examines drug-related topics, such as the history of drug use, patterns associated with drug trafficking organizations and drug-related markets, and both domestic and international drug-related policies.

Prerequisite(s): CJ 100

CJ435 Global Perspectives on Crime and Justice

Hours 3

This course examines the variety of ways that criminal justice systems are organized and implemented around the world. Many times practitioners fail to recognize other approaches or points of focus that could improve the decision making process in particular and benefit the academic field in general. The social, cultural, and political background of different systems of justice will be introduced and discussed for an in-depth understanding.

Prerequisite(s): CJ 100

CJ440 Seminar in Juvenile Delinquency

Hours 3

This course examines the problem of juvenile delinquency, exploring the kinds of criminal and delinquent behavior that young people engage in, the various ways academics and professionals have understood and explained such delinquent behavior, and the key institutional responses to the problem. To do this, we will draw on array of sources, including archival materials, historical accounts, case law, quantitative studies, ethnographic accounts, journalistic accounts, sociological, psychological, and criminological theories of delinquent behavior, and more. We will pay particular attention to some of the controversies in the fields concerned with juvenile delinquency, as well as some of the central dilemmas faced by professionals who work with delinquents.

Prerequisite(s): CJ 100 CJ 240

CJ450 Seminar In Judicial Process

Hours 3

Examines the philosophical basis of the American legal system and traces the development of the judicial process.

Prerequisite(s): CJ 250

CJ460 Criminal Law I

Hours 3

Classification and analysis of selected areas of the substantive law of crimes, including basic principles of criminal law and crimes against the person and property.

Prerequisite(s): CJ 100

CJ461 Criminal Law II

Hours 3

General principles and theories of criminal procedure, including concepts of due process, arrest, search and seizure, wiretapping, lineups, and other recent developments.

Prerequisite(s): CJ 100

CJ470 Seminar In Corrections

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 CJ 270

CJ483 Law And Society

W

Hours 3

Law as an instrument of social control, the functions and limitations of law, and the machinery of law as a part of the larger society. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): CJ 100

Writing

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 in any area of interest to the student.

Prerequisite(s): A maximum of 3 hours may be used toward the major or minor.

CL222 Greek Roman Mythology

HU

Hours 3

Introduction to classical mythology itself and the principal Greek and Roman myths. Offered each semester.

Humanities

CL234 Greek and Latin Medical Terms

Hours 3

This course studies the Greek and Latin roots of medical terms. Students learn how to analyze the medical words'essential components, their prefixes, suffixes, and combining forms; interpret the basic meaning of the terms; relate them to the body systems; and understand the biological nomenclature.

CL323 Alexander the Great, Then & Now

Hours 3

We will study the journey and conquests of Alexander the Great as a historical and cultural event. His expedition took him from Greece, through the countries of the Middle and Near East, all the way to India. Many Western leaders (including Americans) have tried to repeat Alexander's achievement with limited success. Our exploration will look at the reasons of subsequent failures, among other issues.

CL333 Greek Civilization: Myth, History, Culture

HU

Hours 3-6

Greece is in a particularly strategic spot, at the crossroads between East and West, North and South, controlling the passages from Europe to Asia and from the Black Sea to the Mediterranean. A variety of cultures have crossed paths in Greece throughout its long history— from Egyptian, Minoan, and Roman to Byzantine, Christian, Muslim, Ottoman, and Jewish, have all left there their cultural marks. On the other hand, a variety of conquerors have attempted to control, subdue or obliterate the Greeks and Greek culture, yet have come and gone, while Greece and the Greeks are still there, having inhabited their land continuously for the past 4.5 millennia. In the course of time, the Greeks have developed a civilization with tremendous inventions, discoveries and advancements that changed the world and gave the West its identity. The Greeks do not claim to have invented the wheel, but to have used it in order to give the world theater, history, medicine, philosophy, the Golden Mean, geometry, levers and pulley systems, the first analog computers and, above all, democracy. This course, therefore, taught in Greece, takes place at the most significant historical sites throughout the country. Instruction includes various three elements: (i) Students learn about the myths and legends associated with each site and study the geographical features of the area that gave rise to them; (ii) visit the archeological site and are introduced to the history of the area from the Archaic Period to the Modern Era, following the trail of material remains both at the site and the museum; and (iii) study the elements of the modern culture that derive from antiquity, uncovering the continuity of Greek civilization. In this way, students get an overview of Greek history and culture from prehistory to modernity, which brings to life not only myths and legends but also historic events that shaped Western civilization.

Prerequisite(s): None

Prerequisite(s) with concurrency: Students must enroll in CL 380-800 for 6 credit hours.

Humanities

CL350 Roman Religion

W

Hours 3

Survey of the rites and structure of ancient Roman cult with special emphasis on the Roman religious calendar and the clash between paganism and Christianity. Writing proficiency within this discipline is required for a passing grade in this 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 3-6

Detailed investigations of specific aspects of Greco-Roman civilization such as ancient drama, women's lives, ancient religion, and technological achievements.

CL384 Ancient Egypt Near East

Hours 3

Introduction to Egypt's ancient history (from the pyramids to the Ptolemies), with emphasis on the civilization's contributions to Western heritage.

CL385 History Of Greece

Hours 3

Survey of the history of Greece from earliest times to the death of Alexander the Great, with emphasis on the Golden Age.

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.

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.

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.

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.

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.

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.

Prerequisite(s): Permission of Instructor Required

CRL302 3rd Year Critical Lang. II

Hours 1-6

This course is a continuation of CRL 301, and for students wish to pursue a higher level of language proficiency. Language proficiency must be evaluated as adequate for this level by the Critical Languages Center before enrolling, and the consent of the CLC director is required.

Prerequisite(s): Permission of Instructor Required

CROA101 Elem Croatian Language

Hours 3

Contemporary Croatian: 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.

CROA102 Elem Croatian Language

Hours 3

Contemporary Croatian: 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 speaker of the language. Not repeatable without permission of the CLC director. Offered each semester.

DN110 Intro To Dance Styles

Hours 2

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 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.

DN151 Jazz Technique I

Hours 3

Introduction to jazz dance technique and style through dance studio work.

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.

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.

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

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 3

No description available

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DN381 Indep Study In Dance

Hours 3

No description available

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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.

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

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.

DNCA340 Choreography II

Hours 3

Exploration in more complex choreographic forms and compositions. Dance majors only.

Prerequisite(s): DNCA 240 or DN 240

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

DNCA403 Approach Dance Instruction

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

DNCA420 Dance and the Camera

Hours 3

Dance and the Camera will introduce students to the videographic, choreographic, and editing skills involved in making dances for the screen. Students will work both in front of and behind the camera to create studies and final projects. Through lecture, reading, video-viewing and discussions, the class will also explore the history of screendance and its current trends. Dance majors or permission of instructor.

Prerequisite(s): DNCA 240 Choreography I

DNCA440 Choreography III

Hours 3

A study and practice of choreographic composition at the advanced level including all aspects of production. Offered on demand.

Prerequisite(s): DNCA 340 or DN 340; and TH 324

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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this course. Dance Majors only.

Prerequisite(s): DNCA 470

Writing

DUT102 Elementary Dutch

Hours 3

Contemporary Dutch: 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.

Prerequisite(s): DUT 101

EN101 English Composition

FC

Hours 3

Introduction to college-level expository writing, critical reading, basic citation, and the rhetorical tools needed to participate successfully in the University of Alabama discourse community. 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

Intermediate college-level writing covering the principles of argumentation, advanced critical thinking and analysis, university-level research techniques, and research-paper writing. 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 1250 SAT, or minimum ACT English scores of 30 or SAT verbal scores of 720. 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 argumentation, advanced critical thinking and analysis, university-level research techniques, and research-paper writing. 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 1250 SAT OR ACT English score of 30 or SAT verbal score of 720

Freshmen Composition, University Honors

EN104 English Composition BUI

FC, UH

Hours 3

For students in Blount Undergraduate Initiative. Covers argumentation, advanced critical thinking and analysis, university-level research techniques, and research-paper writing. 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

The first in a two-course sequence, EN 120 introduces non-native English speakers to college-level expository writing, critical reading, basic citation, and the rhetorical tools needed to participate successfully in the University of Alabama discourse community. Special attention will be paid to the unique linguistic and cultural needs of students whose native language is not English. Offered every semester.

Freshmen Composition

EN121 English Comp II Non-Native Spk*FC*

Hours 3

The second course in UA's first-year sequence in composition, EN 121 introduces non-native English speakers to the principles of formal argumentation, advanced critical thinking and analysis, university-level research techniques, and research-paper writing. Special attention will be paid to the unique linguistic and cultural needs of students whose native language is not English. Offered each semester.

Prerequisite(s): EN 120

Freshmen Composition

EN200 Intro Creative Writing

Hours 3

Study of topics relating to all genres of creative writing; introduction of genre-specific principles. Required of all creative writing minors. Credit for this course is not applicable toward the requirements of the English major or minor.

Prerequisite(s): EN 101 and EN 102; or EN 103 or EN 104; or EN 120 and EN 121

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

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

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, especial 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.

EN301 Prose Tour

Hours 3

Study of basic principles of composing creative prose. Reading and assigned writing experiments in a broad range of prose forms. Required of all creative writing minors.

Prerequisite(s): EN 200

EN303 Poetry Tour

Hours 3

Study of basic principles of composing poetry. Reading and assigned writing experiments in a broad range of poetic forms. Required of all creative writing minors.

Prerequisite(s): EN 200

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 within this discipline is required for a passing grade in this course.

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.

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.

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.

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 within this discipline is required for a passing grade in this course.

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.

EN321 Linguistic Approach English Grammar

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.

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.

EN330 Chaucer And Medieval Literature

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.

EN331 Chaucer

Hours 3

Introduction to the works of Chaucer. This course includes a study of Chaucer's language as well as the 14th-century milieu.

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.

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.

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.

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.

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.

EN341 American Poetry To 1900

Hours 3

A survey of American poetry from its beginnings to 1900. Authors may include Anne Bradstreet, Edward Taylor, Edgar Allan Poe, Walt Whitman, and Emily Dickinson.

EN342 American Fiction To 1900

Hours 3

A survey of the development of American fiction from its beginnings to 1900, with attention to both the novel and the short story. Authors may include James Fenimore Cooper, Nathaniel Hawthorne, Harriet Beecher Stowe, Herman Melville, Mark Twain, and Kate Chopin.

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.

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.

EN347 English Lit During Enlightenment

Hours 3

A cross-genre survey of English literature during the period 1660-1800. Authors may include John Locke, John Bunyan, Mary Astell, Jonathan Swift, Lady Mary Wortley Montagu, Samuel Johnson, Hester Thrale, and James Boswell.

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.

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.

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.

EN360 Topics American 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 America. Authors may include Henry James, Mark Twain, Edith Wharton, W.E.B. Du Bois, Gertrude Stein, Countee Cullen, Eugene O'Neill, and Wallace Stevens.

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.

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.

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.

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.

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.

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.

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.

EN368 Modern British Fiction

Hours 3

A survey of the twentieth-century novels and short stories produced by leading British and Irish writers. Authors may include James Joyce, Virginia Woolf, George Orwell, Iris Murdoch, A. S. Byatt, Martin Amis, V.S. Naipaul, Edna O'Brien, and J.M. Coetzee.

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.

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.

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.

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

No description available

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EN408 Advanced Creative Writing

Hours 3

Special topics in imaginative writing. Focus may be on poetry, fiction, non fiction or a combination. Students produce imaginative writing and read related texts. May be repeated for a maximum of 12 hours.

Prerequisite(s): EN 200 and EN 301 and EN 303

EN411 Adv Stdy Comptv Multi-Cutl Lit

W

Hours 3

Designed for advanced English majors, a special topics course that focuses on issues involving comparative literatures and/or cultural studies. Writing proficiency within this discipline is required for a passing grade in this course. EN 411 may be repeated for a maximum of 9 hours.

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 within this discipline is required for a passing grade in this course. En 422 may be repeated for a maximum of 9 hours.

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 Structure Of English

Hours 3

Advanced study of the structure and usage of the English language, focusing on issues of morphology, syntax, and discourse context. Offered each fall semester.

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.

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.

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 within this discipline is required for a passing grade in this course. EN 433 can be repeated for a maximum of 9 hours.

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 within this discipline is required for a passing grade in this course. This course may be repeated for a maximum of 9 hours.

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 within this discipline is required for a passing grade in this course.

Writing

EN456 Writing Center Theory and Research

Hours 3

This course augments the professional practice of Writing Center staff with assigned readings, writing assignments, and discussions. Theory and research intensive.

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.

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 within this discipline is required for a passing grade in this course. This course may be repeated for a maximum of 9 hours.

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 within this discipline is required for a passing grade in this course.

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.

Prerequisite(s): EN 399

University Honors, Writing

EXD100 Continuous Enrollment

Hours 0

This is a place holder in the system so that distance students can use library and tech services throughout the academic year.

EXD101 Foundatns Adult Learning

Hours 3

Orientation to the EXD Program and introduction to the theories and principles of adult learning, learning styles, college degree planning, college writing, and selected issues relating to adult education. Mandatory for admission to the EXD Program.

EXD200 Prior Learning Portfolio Devel

Hours 0

Prior Learning Portfolio Dev.

EXD205 Prior Learning Assessment

Hours 0

Prior Learning Assessment.

EXD300 Directed Study

Hours 1-12

Out-of-class learning contracts designed by students in selected topics. Advisor approval required.

EXD320 Contract Learning

Hours 1-15

No description available

.

EXD330 Contract Learning

Hours 1-15

No description available

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EXD345 Contract Learning

Hours 1-15

No description available

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EXD350 Contract Learning

Hours 1-15

No description available

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EXD355 Contract Learning

Hours 1-15

No description available

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EXD360 Contract Learning

Hours 1-15

No description available

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EXD395 Seminar

Hours 1-6

Campus-based seminar on varying topics in natural sciences, humanities, social sciences, or other selected areas.

EXD400 Seminar Leadership Studies

Hours 1-4

Seminar weekend course in Leadership Studies.

EXD498 Senior Project

Hours 1-12

Student-designed major project or research in approved area. Required of all EXD students before graduation.

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

FIN101 Elementary Finnish I

Hours 3

Contemporary Finnish: 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.

FR101 Elementary French I

FL, HU

Hours 4

For students with no background or previous study of French. This course focuses on developing communicative abilities in French while emphasizing cultural practices and perspectives. Not open to students who have completed 2 or more years of high school French. Offered each semester.

Foreign Language, Humanities

FR102 Elementary French II*FL, HU*

Hours 4

Continuation of FR 101. This course focuses on further enhancing communicative abilities, cultural practices and perspectives in French. Offered each semester.

Prerequisite(s): Must have a minimum grade of a C- in FR 101, or 2 years or less of high school French.

Foreign Language, Humanities

FR201 Intermediate French*HU*

Hours 3

For students with previous study of elementary-level French. Further development of oral and written communication skills in French through the exploration of various themes in French and Francophone culture.

Prerequisite(s): Minimum grade of a C- in FR 102 or minimum grade of a C- in FR 103

Humanities

FR202 Intermediate French*HU*

Hours 3

Continuation of FR 201. Preparation for advanced literature, linguistics, and culture courses.

Prerequisite(s): Minimum grade of a C- in FR 201

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): FR 201, or 202, or 206, or 321, or 322, or 323, or 324, or 328, or 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): FR 201, or 202, or 205, or 321, or 322, or 323, or 324, or 328, or 329

FR321 Voices In French*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. Writing proficiency within this discipline is required for a passing grade in this course. Usually offered in the fall semester. Study abroad equivalent: FR 328.

Prerequisite(s): FR 202

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

FR323 Text, Image, And Word*W*

Hours 3

Contemporary French and Francophone society and culture. Continued work in literary and cultural analysis through selected works of recent cultural media (journalism, literature, music, film). Emphasis on written exposition, oral proficiency, critical thinking, grammar review. Writing proficiency within this discipline is required for a passing grade in this course. Usually offered in the spring semester. Study abroad equivalent: FR 328.

Prerequisite(s): FR 202

Writing

FR324 Commercial French

Hours 3

Introduction to basic business language and vocabulary, business protocol and culture in French-speaking countries.

Prerequisite(s): FR 321 or FR 322 or FR 323 or by permission of the instructor or by placement exam

FR325 Cultures and Conversations*FL*

Hours 3

This course is designed to advance students' proficiency in spoken and conversational French while exploring French and Francophone cultures. As they engage in various individual and collaborative projects, students will improve their ability to function in the interpersonal, interpretive, and presentational modes of communication. Through critical exploration and analysis of a variety of materials (short texts and newspaper articles, television clips, films, songs, and images), students will review and expand their vocabulary and grammatical knowledge, refine their pronunciation and listening comprehension skills to develop their oral fluency. The specific topics explored will be at the discretion of the instructor teaching the course. One option is to explore the culture of food and fashion (including, food as culture and fashion as culture) in France. The course will consider the importance of food and fashion as a form of cultural and personal expression, specifically how food and fashion have served to indicate social status, gender identity, national identity, religious identity, and political engagement.

Prerequisite(s): French 202; or equivalent from another institution; or a 5 on the AP French Exam

Prerequisite(s) with concurrency: FR 202; or equivalent from another institution; or a 5 on the AP French Exam

Foreign Language

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

No description available

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

No description available

FR341 Survey Fr Literature I

W

Hours 3

French literature from its origins through the 18th century. Readings from major authors, lectures, and reports. Writing proficiency within this discipline is required for a passing grade in this course. Offered fall semesters.

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

Writing

FR351 Survey Fr Literature II

W

Hours 3

French literature of the 19th and 20th centuries. Readings from major authors, lectures, and reports. Writing proficiency within this discipline is required for a passing grade in this course. Offered spring semesters.

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

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 Alabama-in-France summer program. Topic to be determined in consultation with the instructor or program director.

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, Business and Marketing

FL, HU

Hours 3

This course, entirely conducted in French, is articulated around a global simulation, alternating individual and collaborative projects. Pairs of students create their own fictitious company and a product sold by the company. Students collaborate to conceive and design develop marketing and advertising tools that culminate with the development of their company website. Through the study of written communications, advertising, and business material, readings (newspaper articles, best practices on web construction websites, marketing strategies articles in trade publications), audio documents (radio newscasts and marketing strategies podcasts), and videos (television ads, short films, television newscasts), students acquire an understanding of how global and local factors affect marketing culture and practices in French-speaking countries. Students also explore large French companies websites and reflect on issues of global versus local markets. As they engaged in the various projects, students refine and expand their intercultural communicative competence while performing marketing-related activities in French.

Prerequisite(s): FR 324 or 331

Foreign Language, Humanities

FR431 Contemp French Civilization

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, 322, or 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

FR480 Special Topics

Hours 3

Directed reading or research related to French and Francophone language, literature and culture. May be repeated for a maximum of 12 hours.

Prerequisite(s): FR 341 OR FR 351 OR FR 331 OR FR 431 OR FR 321 OR FR 322 OR FR 323

FR484 Adv Conversn Phonetics

Hours 3

Emphasis is on improvement of oral expression in a variety of contexts. Consideration of phonetics as it serves this goal. For purposes of satisfying the requirements of the French major or minor, this course can be used in lieu of FR 421.

Prerequisite(s): FR 321 or FR 322 or FR 323.

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.

Foreign Language

FRS102 Elementary Farsi II*FL*

Hours 3

Continuation of FRS 101. Contemporary Farsi (Persian): speaking, reading, and writing. Course involves supervised self-instructional approach at 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." Native speakers or near native speakers of the language are NOT allowed to enroll.

Prerequisite(s): FRS 101

Foreign Language

FRS201 Intermediate Farsi I

Hours 3

Continuation of Farsi (Persian) 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.

Prerequisite(s): FRS 102

FRS202 Intermediate Farsi II

Hours 3

Continuation of Farsi (Persian) language on the Intermediate level. Emphasis is on the development of reading skills and writing proficiency. Native speakers or near native speakers of the language are NOT allowed to enroll. Offered according to demand. Not repeatable without permission of the CLC director.

Prerequisite(s): FRS 201

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 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

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

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

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.

Prerequisite(s): GEO 101 or GEO 102

Writing

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 within this discipline is required for a passing grade in this course. Offered in the fall semester.

Prerequisite(s): GEO 101 The Dynamic Earth GEO 314 Ign. & Meta. Petrology

Writing

GEO420 Petroleum Geology

Hours 3

Introduction to the origin, migration, accumulation, and entrapment of petroleum. Emphasis is on sedimentary, geochemical, and hydrodynamic processes. Offered in the spring semester of even-numbered years.

Prerequisite(s): GEO 365 and GEO 367

GEO421 Geology & History of W Turkey

Hours 3

This two week long course will emphasize environmental geology history, geoarchaeology, and natural hazards of the Greco-Roman city states in Western Anatolia. It will concentrate on the effects of geology and natural hazards in the decline and eventual fall of these large city states and cultural centers.

GEO424 Topics In Geology

Hours 1-4

Special topics in the following areas: economic geology, geochemistry, geophysics, geomorphology, hydrogeology, mineralogy, paleontology, petrology, sedimentology, stratigraphy, structural geology, and tectonics. Offered according to demand.

Prerequisite(s): GEO 101 The Dynamic Earth / Minimum Grade of C-

GEO430 Ore Deposits

Hours 3

Introduction to sedimentary hydrothermal, metasomatic, and magnetic ore deposits, including geologic setting and genesis. Offered on demand.

Prerequisite(s): GEO 210

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

GEO446 Scientific Computing

Hours 3

This course covers a broad range of computational methods used in the geosciences. Topics include data analysis, manipulation and image processing, using a variety of software packages. Offered according to demand.

GEO470 General Geochemistry
W

Hours 3

Overview of the field of geochemistry (elementary chemical equilibria and thermodynamics, organic geochemistry, isotope geochemistry), with an emphasis on solving geologic problems. Offered in the Spring semester.

Prerequisite(s): GEO 314

Writing

GEO476 Analytical Geochemistry

Hours 3

Theory, techniques, and applications of geochemical methods for the analysis of rocks, soils, and aqueous fluids. Offered according to demand.

GEO490 Seminar Regional Geology

Hours 1-3

Seminar on and field trip to important geologic localities. May be repeated for credit. Offered according to demand.

Prerequisite(s) with concurrency: GEO 314

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 3

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

First semester German language course. Class meets five times a week.

Foreign Language, Humanities

GN102 Elementary German II
FL, HU

Hours 4

Second semester German language course. Class meets five times a week.

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

Intensive, accelerated study of first and second semester German language curriculum. Class meets five times a week.

Foreign Language, Humanities

GN201 Intermediate German I

HU

Hours 3

Third semester German language course.

Prerequisite(s): GN 102 or GN 103 with a grade of "C" or better, placement exam, or permission of instructor.

Humanities

GN202 Intermediate German II

HU

Hours 3

Fourth semester German language course.

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.

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

An exploration of the aesthetic and ethical issues involved in artistic representations of the Holocaust.

Humanities

GN264 German Literature Translatn I

HU, L

Hours 3

A survey in English of German literary masterpieces ranging from the Ring of the Nibelungs and Tristan and Isolde to Goethe's Faust. Themes include love, myth, religious freedom, war and peace, and nationhood.

Humanities, Literature

GN265 German Lit In Translatn II

HU, L

Hours 3

A survey in English of German literary masterpieces of the 19th and 20th centuries. Themes include communism and capitalism, Hitler and the Holocaust, gender, and the responsibility of scientists. Authors might include Kafka, Hesse, Mann, and Grass.

Humanities, Literature

GN275 Germany Contemp Europe

Hours 3

Study of Germany's place in today's Europe; political, social, and cultural aspects are examined.

GN361 Interm Convers Comp I

Hours 3

Emphasis is on increasing speaking and writing skills in German. Includes essay writing and grammar review.

Prerequisite(s): GN 202 with a grade of "C" or better, placement exam, or permission of instructor.

GN362 Interm Convers Comp II

Hours 3

Emphasis is on increasing speaking and writing skills in German. Includes essay writing and grammar review.

Prerequisite(s): GN 202 with a grade of "C" or better, placement exam, or permission of instructor.

GN365 Business German

Hours 3

Acquisition of business German used in commercial transactions. Emphasis is on business letters and business conversation.

Prerequisite(s): GN 361 or GN 362 or instructor approval

GN371 German Culture and Civilization Thru 1832

Hours 3

A survey of German cultural history from the Germanic tribes through the Age of Goethe. Emphasis is on developments in philosophy, religious thought, music, art, architecture, and popular culture in the context of political and social history.

Prerequisite(s): GN 361 or GN 362 or instructor approval

GN372 Germn Cult Civ 1832-Present

Hours 3

A survey of German cultural history from the 1830s to the present.

Prerequisite(s): GN 361 or GN 362 or instructor approval

GN381 Directed Readings

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

A continuation of GN 361 or GN 362. Discussion, readings, essay writing, and oral reports on variable topics. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): GN 361 or GN 362 with a grade of "C" or better.

Writing

GN462 Adv Gn Convers Comp II

W

Hours 3

Discussion, readings, essay writing, and oral reports in German. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): GN 361 or GN 362 with a grade of "C" or better.

Writing

GN481 Directed Readings

Hours 1-4

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

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

Fundamentals of Greek grammar and syntax. Offered in the fall semester.

Foreign Language, Humanities

GR102 Beginning Greek II

FL, HU

Hours 3

Continued study of the fundamentals of Greek grammar and syntax. Offered in the spring semester.

Foreign Language, Humanities

GR201 Intermediate Greek I

Hours 3

Introduction to and practice in reading Greek literature, particularly Homer's Iliad.

GR202 Intermediate Greek II

Hours 3

An introduction to Greek prose with an emphasis on Xenophon's Anabasis.

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 1-3

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

GY200 Principles Of Planning

Hours 3

Survey of the basic elements of regional and urban planning. Provides a comprehensive overview of the planning profession.

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.

GY230 Geographic Information Systems*C*

Hours 3

This course will offer practical GIS training for non-geography majors. It will focus on geospatial data representation and analysis in ArcGIS.

Prerequisite(s): CS 102

Computer Science

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

GY317 Natural Hazards

Hours 3

Examination of the causes, consequences, and spatial distribution of climatic, geomorphic, and human-induced natural hazards.

Prerequisite(s): GY 101 or GY 102

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 and CS 102

Computer Science

GY339 Natural Resource Envrirn 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.

GY351 Geography Of Alabama

Hours 3

Study of the varied geographical dimensions of the state of Alabama, both past and present.

GY358 Urban Geography

Hours 3

Examines the growth of cities, their spatial distributions, internal dynamics, functional bases, and social and political patterns.

Prerequisite(s): GY 110

GY363 Geomorphology

Hours 3

Study of physical, chemical and biological processes operating at the Earth's surface and landforms, and the landscapes such processes develop.

Prerequisite(s): GY 102 or GEO 101

GY365 Industrial Develop & Location

W

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): GY 110

Writing

GY370 Special Topics

Hours 3

No description available

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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

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.

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.

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 and CS 102

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.

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 and CS 102

Computer Science

GY431 GIS in Emergency Management

Hours 4

Addresses geo-spatial data, methods, and software used in mitigation, planning, response, and recovery phases of emergency management. Case studies and scenarios are drawn from meteorological, environmental, geological, and biological hazards and disasters.

Prerequisite(s): GY 430

GY432 Spec Research In Geog

Hours 1-4

*No description available***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

C

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

Computer Science

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

GY438 Application Issues In Gis

Hours 4

Three hours lecture and one two-hour laboratory period. In-depth study of various topics in the application and technical issues of geographic information systems. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): GY 430

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 230 (proposed) or GY 430

GY440 Commun Facil Planning

W

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

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.

Prerequisite(s): GY 200

GY442 GIS in Biogeography

Hours 4

Addresses the application of GIS data and methods in analyzing geographic distribution and trends of plants and animals. Labs draw data and methods from a variety of biogeographic contexts including historical, modern, terrestrial, marine, conservation, and climate change.

Prerequisite(s): GY 430

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.

GY450 Conservation Field Studies in Belize

Hours 4

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

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 within this discipline is required for a passing grade in this 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.

GY455 Planning Practicum

Hours 3-9

Individual work experience in planning, 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 455 cannot be applied to the geography minor.

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.

GY458 Urban Planning And Analysis

W

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

GY460 Environmental Management

Hours 3

Introduces students to the impact of humans on the planet and the patterns of human behavior necessary to preserve and manage the environment in a self-sustaining manner. Emphasis is on writing and speaking.

Prerequisite(s): GY 101

GY463 Ecosystem Services: Theory and Practice

Hours 4

This course will prepare students to function effectively as future researchers and policy-makers on topics related to sustainability and sustainable management of ecosystem-oriented projects and activities. The concept of ecosystem services provides one approach to facilitate trade-off decision making to identify win-win strategies among multiple stakeholders with often conflicting near-term objectives.

GY465 Region Planning Analysis

Hours 3

Principles and processes of regional planning and the analytical methods appropriate for solving regional planning problems. Case studies and the role of the planner in the regional planning process are discussed.

GY466 Region Urban Transport Systems

Hours 4

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.

GY470 Special Topics

Hours 3

No description available

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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.

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): GY 102

Writing

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

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. This course can be taken for writing credit. Therefore, TWO INDIVIDUAL writing assignments are required. In order to earn a passing grade in this course, you will be required to demonstrate writing proficiency to standards expected for the geosciences. A student who does not write with the skill normally required of an upper division student in the geosciences will not be given a passing grade, no matter how well they perform on other course components.

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

GY493 Plant Geography

Hours 4

This course covers basic biotic and abiotic terrestrial ecosystem components, environmental gradients, plant distribution patterns, dispersal, colonization, and migration, disturbance processes, and applications to biodiversity conservation.

Prerequisite(s): GY 101 or GY 102 or BSC 114

GY494 Forest Measurement & Analysis

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

GY495 Coastal Geomorphology

Hours 3

The coastlines of the world, at the triple interface of land, sea, and air, are dynamic geomorphic environments. They are often subject to abrupt changes, associated with storms for example, as well as slower, long-term changes, such as those associated with sea level change. Coastal environments are home to most of the earth's human population and they include, at the same time, some of the most hazardous of locations. The purpose of this course is to provide a general introduction to the subject of coastal geomorphology, with emphasis on coastal environments and landforms, and with a survey of coastal processes.

GY496 Forest Ecosystem Management: Silviculture

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.

Prerequisite(s): GY489 or GY409 or GY492 or GY494 or instructor permission

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.

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.

Prerequisite(s): HEB 101

Foreign Language

HEB201 Intermed Hebrew Language

Hours 3

Continuation of Hebrew 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.

Prerequisite(s): HEB 102

HEB202 Intermed Hebrew Language

Hours 3

Continuation of HEB 201. Emphasis is on the development of reading skills and writing proficiency. Not repeatable without consent of CLC director. Offered according to demand.

Prerequisite(s): HEB 102

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.

Foreign Language

HIN102 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/superior-level speaker of the language. Not repeatable without permission of the CLC director.

Prerequisite(s): HIN 101

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

HY110 Comparative World Civ

Hours 3

Examines various civilizations in the world prior to A.D. 1500 and compares their governments, societies, economies, religions, science, learning, and technology. History majors may substitute HY 110 for HY 101 to satisfy part of the Western civilization requirement.

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 to 1687

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 Since 1687

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

HY200 Special Studies in Hy

Hours 1-3

No description available

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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.

HY235 Christ Church To 1500

Hours 3

Survey of the Christian church from its origins in the Middle East through its victory over the Roman Empire and its ascendancy in the Middle Ages.

HY236 Christ Church Sc 1500

Hours 3

Cultural and institutional history of the Christian church with emphasis on the Reformation and Counter-Reformation and discussion of the church in the New World.

HY247 England To 1688

Hours 3

History of Western civilization in one country, from Anglo-Saxon times to the growth of absolutism and resistance.

HY248 England Since 1688

Hours 3

England from the Glorious Revolution to the post-World War II era, with emphasis on social and cultural topics as well as foreign affairs.

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.

HY312 American South Before 1865

Hours 3

The South from colonial times to the Civil War, tracing the growth of the plantation system, extension of the frontier, commerce and industry, cultural influences, and the institution of slavery.

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 military, political, diplomatic, social, and intellectual aspects of the Civil War years, and the impact of the war on subsequent American history.

HY316 Life & Legend Abraham Lincoln

Hours 3

The life and legend of the man often considered to be the representative American.

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.

HY320 20th Century Black History

Hours 3

The interrelationship of blacks and the industrial-urban environment of the United States.

HY321 Religion in Modern Europe

Hours 3

A survey of religious thought and practice in Europe since 1750.

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.

HY326 Us-World Power sc 1898

Hours 3

Emphasizes American international involvement through the Panama Canal, the Roosevelt Corollary, World War I and the League of Nations, Pearl Harbor and World War II, the Cold War, Vietnam War, and after.

HY327 Women in Early America

Hours 3

Examines the history of women in early North America from 1660 to 1877.

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?.

HY333 America in the Progressive Era: A Nation Comes of Age

Hours 3

There have only been a handful of times in our nation's history that can rightly be described as transformative. These have been eras in which, as Doris Kearns Goodwin rightly says, "a molt seems to take place, and an altered country begins to emerge." In this context, we readily recall the American Revolution and the Civil War, but we may easily overlook the Progressive Era. To do so is a mistake that this course seeks to correct. For this was when the United States came of age as a world power, and also when Americans nationwide acquired a dynamic sense of their national identity. In vigorous and distinctive ways, Presidents Theodore Roosevelt and Woodrow Wilson reshaped America and left their distinctive imprints on our national character. Their joint legacy, rightly or wrongly, was to use the power of the national government to enlarge the scope of American democracy. The Progressive Era itself ended dismally in race riots, a frenzied Red Scare, and the inept presidency of Warren Harding, but the progressive spirit would continue to smolder and occasionally spark fires of idealism and renewed efforts to conquer new frontiers to the present day.

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.

HY336 U.S. Disability History

Hours 3

This course places the experiences of people with disabilities at the center of the American story, from long before Europeans arrived in North America through today. We will explore the changing lives of people with disabilities—from railroad workers and rights activists to wheelchair athletes and participants in freak shows to college students and more—as well as the history of disability policy and conceptions of disability. We will focus on the social and cultural history of disability rather than its strictly physical or medical aspects. U.S. Disability History takes a new approach to familiar topics in U.S. history, including colonization, slavery, immigration, racial and gender stereotypes, education, civil rights, and citizenship, among others.

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.

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?.

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.

HY355 German History Sc 1740

Hours 3

No description available

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.

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.

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.

HY377 Mexico since 1810

Hours 3

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.

HY384 Ancient Egypt Near East

Hours 3

No description available

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HY385 History Of Greece

Hours 3

No description available

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HY386 History Of Rome

Hours 3

No description available

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HY390 Survey of Irish History

Hours 3

A comprehensive look at the Irish experience from prehistoric times to the present.

HY395 History Colloquium

Hours 3

Intensive reading, writing, and discussion on special topics in history.

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 within this discipline is required for a passing grade in this course. May be repeated for a maximum of 18 hours.

Writing

HY402 Modern Japan since 1550

Hours 3

Major emphasis on the end of the Tokugawa Period (1800-1868), the rise of modernized Japan in the Meiji Period (1868-1912) and the 20th century.

HY403 Chinese Civ. to 1600

Hours 3

Survey of Chinese culture from the Shang period through the Ming period.

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.

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 within this discipline is required for a passing grade in this course.

Writing

HY410 Antebellum America

Hours 3

This course will explore the antebellum period as an era of great change in the United State. Between 1820 and 1860, we witness an expanding frontier in the Cotton South, but also the rise of the "city," among other things. While the South will always be on our radar, we will also be interested in finding meaning in other regions by paying close attention to the people who move through or live in them and the landscape itself.

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.

HY412 Slavery America Popular Cult

Hours 3

An examination of slavery in American popular culture from the 1840s to the present. Topics and media include fiction, autobiography, film and television, advertising, and confederate celebrations.

Prerequisite(s): HY 203

HY413 Mexican War Thru Civil War

W

Hours 3

Examines how Americans thought about and used armed force from 1845 to 1865. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

HY416 Us Fr Recons To Wwar I

Hours 3

Selected topics relating to the development of the U.S., especially domestic affairs and the growth of important institutions.

HY417 US from WWI to WWII

Hours 3

Covers U.S. participation in two world wars, the Roaring Twenties, and the Great Depression. Government, society, and culture receive attention and analysis.

HY424 American Thought Before 1860

W

Hours 3

American intellectual/cultural history to 1860. Includes changing ideas about society, politics, morality, science, nature, religion, gender and race. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

HY425 American Thought since 1860

W

Hours 3

American intellectual/cultural history since 1860. Includes changing ideas about society, politics, morality, science, nature, religion, gender and race. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

HY428 Women In America

Hours 3

Examines the experiences of women from mid-nineteenth century to present with special attention to ideologies about women's roles and effects of region, race, class and ethnicity.

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 will offer training in historical methods and theory. It will culminate in a 15 page research paper and oral presentation. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

HY432 Gender and Native Americans: Beyond Pocohontas

W

Hours 3

Explores contact between Native Americans and Europeans in the early Americas through attention to gender, stressing the diversity of Native life ways.

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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this course.

Writing

HY446 Age of Reason 1715-89

Hours 3

The Enlightenment of Voltaire, Diderot, Rousseau, Franklin, Hume, Goethe, and Kant, whose writings exalted individual reason, tolerance, liberalism, science, and public service and set the stage for the French Revolution.

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.

HY451 Early Modern Germany

W

Hours 3

This course examines the political, religious, intellectual, military, cultural and social history of German speaking central Europe from the Eve of the Protestant Reformation to the eve of the French Revolution. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

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." As a "W" course, writing proficiency within this discipline is required for a passing grade. In other words, no matter how well you do in other aspects of the course, you must write with the skill normally required of upper level students in History to pass. Written assignments will require coherent, logical, and carefully edited prose. Students will be required to demonstrate higher-level critical thinking skills.

Writing

HY471 Age Exploration & Conquest

Hours 3

A history of exploration during the 15th and 16th centuries, when European nations expanded by sea voyages and conquest, settling in the Americas, Africa, and Asia.

HY474 Relation US Latin Amer

W

Hours 3

Chronological survey of diplomatic, economic, and cultural relations, with emphasis on the 20th century. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

HY475 Caribbean Basin 1492 - Present

Hours 3

Traces the evolution of Caribbean and Central American nations from the first European settlements to the present.

HY476 HY Religion in Latin America

Hours 3

The history of religion in Latin America from the late fifteenth century through the early twenty-first century.

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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this course.

Writing

HY483 Thirty Years' War

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.

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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this course.

Writing

HY493 Britain in the 18th Century*W*

Hours 3

From the Hanoverian Succession in 1714 to victory at Waterloo in 1815: political development, the Agrarian and Industrial Revolutions, John Wesley, Samuel Johnson, and an apparently endless succession of wars. Writing proficiency within this discipline is required for a passing grade in this 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

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 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. In order to complete the course, two professors other than the professor of record must read and approve the final thesis.

Prerequisite(s): HY 399 and HY 498

University Honors, Writing

IND0101 Elem Indonesian Language*FL*

Hours 3

Contemporary Indonesian: 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.

Foreign Language

IND0102 Elem Indonesian Language*FL*

Hours 3

Contemporary Indonesian: 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.

Prerequisite(s): INDO 101

Foreign Language

IND0201 Intermediate Indonesian

Hours 3

Continuation of Indonesian language on the intermediate level. Emphasis is on the development of reading skills and writing proficiency. Offered according to demand.

Prerequisite(s): INDO 102

IT101 Introductory Italian I*FL, HU*

Hours 4

Five hours of instruction per week. The course is the first semester of college-level language study. Offered each semester.

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.

Foreign Language, Humanities

IT201 Intermediate Italian I*HU*

Hours 3

Basic grammar review, development of writing skills, and introduction to literature.

Prerequisite(s): IT 102

Humanities

IT202 Intermediate Italian*HU*

Hours 3

Basic grammar review, development of writing skills, and introduction to literature.

Humanities

IT353 Italian Conversation

Hours 3

Development of conversational skills through role-playing, oral presentations, and vocabulary building. May be taken once in Italy and once on campus.

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 and once on campus.

IT361 Intro Romance Linguistic

Hours 3

Introduction to linguistic science and its use in describing language in general and the Romance languages in particular.

IT364 Masterpieces of Italian Lit.

Hours 3

Study of selected major works of Italian literature in translation without restriction as to literary period or genre.

IT380 Special Topics

Hours 3

The subject matter varies, and includes "Film and Literature" and "Fascism in Film and Literature" with lectures in English. *No prerequisite necessary for courses offered in English. May be repeated for credit.

IT480 Special Topics

Hours 3

The subject matter varies. May be repeated for credit. Offered according to demand.

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

Five hours of instruction per week. A continuation of JA 101.

Prerequisite(s): JA 101

Foreign Language, Humanities

JA201 Intermediate Japanese I*HU*

Hours 3

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

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.

JA371 Japanese Culture I

Hours 3

This course is for students who need fundamental knowledge of current Japanese culture. The topics include modern history, characteristics of Japanese business, social problems, traditional religious and philosophy of the Japanese people.

Prerequisite(s): JA 102

JA372 Japanese Culture II

Hours 3

This course is for students who need fundamental knowledge of current Japanese culture. The topics include traditional art forms, Buddhism sculptures, movies, traditional music and theater, subculture and marital arts.

Prerequisite(s): JA 102

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.

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.

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.

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.

Prerequisite(s): KOR 201

LA101 Elementary Latin I*FL, HU*

Hours 3

Beginning fundamentals of Latin grammar and syntax. Offered in the fall semester.

Foreign Language, Humanities

LA102 Elementary Latin II*FL, HU*

Hours 3

Continued study of the fundamentals of Latin grammar and syntax. Offered in the spring semester.

Prerequisite(s): LA 101

Foreign Language, Humanities

LA201 Intermed Latin Read I*HU*

Hours 3

Introduction to and practice at reading Latin literature. Offered in the fall semester.

Prerequisite(s): LA 102

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

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 or higher or ACT Math Subscore of 18 or SAT Math Subscore of 440 or higher 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 or higher or ACT Math Subscore of 18 or SAT Math Subscore of 440 or MATH 100

Mathematics

MATH112 Precalculus Algebra*MA*

Hours 3

Prerequisites: Placement and three units of college-preparatory mathematics; if a student has previously been placed in MATH 100, a grade of "C-" or higher in MATH 100 is required. 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).

Prerequisite(s): UA Math Placement Test Score of 310 or higher or ACT Math Subscore of 24 or SAT Math Subscore of 560 or MATH 100

Mathematics

MATH113 Precalculus Trigonometry*MA*

Hours 3

Prerequisite: If a student has previously been placed into MATH 112, a grade of "C-" or higher in MATH 112 is required. 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).

Prerequisite(s): MATH 112

Mathematics

MATH115 Precalc Algebra & Trig*MA*

Hours 3

Prerequisite: Placement and a strong background in college-preparatory mathematics, including one-half unit in trigonometry. 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 380 or higher or ACT Math Subscore of 29 or SAT Math Subscore of 650

Mathematics

MATH121 Calculus & Applications*MA*

Hours 3

Prerequisite: MATH 112 or equivalent. If a student has previously been placed in MATH 112, a grade of "C-" or higher in MATH 112 is required. 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): (MATH 112 AND MATH 113)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): MATH 113 and MATH 112; or 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): MATH 125 or MATH 131 or MATH 145

Mathematics

MATH145 Honors Calculus I*MA, UH*

Hours 4

Honors sections of MATH 125.

Mathematics, University Honors

MATH146 Honors Calculus II*MA, UH*

Hours 4

Honors sections of MATH 126.

Prerequisite(s): MATH 125 or MATH 145

Mathematics, University Honors

MATH208 Number And Operations

Hours 3

Arithmetic of whole numbers and integers, fractions, proportion and ratio, and place value. Class activities initiate investigations underlying mathematical structure in arithmetic processes and include hands-on manipulatives for modeling solutions. Emphasis is on the explanation of the mathematical thought process. Students are required to verbalize explanations and thought processes and to write reflections on assigned readings on the teaching and learning of mathematics.

Prerequisite(s): MATH 100 or MATH 110 or MATH 112 or MATH 113 or MATH 125

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): MATH 208

MATH210 Data Analysis Probabil Stats

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 is integrated throughout the course.

Prerequisite(s): 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): MATH 146 or MATH 126 or MATH 132

Mathematics

MATH237 Introduction to Linear Algebra

MA

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. Use of linear algebra software is introduced. Theory plays a significant role in this course - both in lectures and tests.

Prerequisite(s): MATH 126 or MATH 146

Mathematics

MATH238 Appld Diff Equations I

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.

Prerequisite(s): MATH 126 or MATH 146

Prerequisite(s) with concurrency: MATH 227 or MATH 247

Mathematics

MATH247 Honors Calculus III

MA, UH

Hours 4

Honors sections of MATH 227.

Prerequisite(s): MATH 126 or MATH 132 or MATH 146

Mathematics, University Honors

MATH300 Intro Numerical Analysis

Hours 3

Credit will not be granted for both MATH 300 and MATH 411. A beginning course in numerical analysis. Topics include number representation in various bases, error analysis, location of roots of equations, numerical integration, interpolation and numerical differentiation, systems of linear equations, approximations by spline functions, and approximation methods for first-order ordinary differential equations and for systems of such equations.

Prerequisite(s): MATH 227 or MATH 247; and CS 100 or CS 104 or CS 150 or AEM 249 or ECE 285 or CBH 101

MATH301 Discrete Mathematics

W

Hours 3

An introductory course that primarily covers logic, recursion, induction, modeling, algorithmic thinking, counting techniques, combinatorics, and graph theory. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): MATH 125 or MATH 145

Writing

MATH302 Topics in Discrete Mathematics

Hours 1

A supplemental course in discrete mathematics covering select topics of interest in computer science. Topics include graphs and trees, finite state automata and regular expressions, efficiency of algorithms.

Prerequisite(s): MATH 301

MATH343 Appl Diff Equations II

Hours 3

Continuation of MATH 238. Topics include series solutions of differential equations, the method of Frobenius, Fourier series, method of separation of variables for partial differential equations, elementary boundary value problems for the Laplace, heat and wave equations, an introduction to Sturm-Liouville boundary value problems, and stability of autonomous systems. Usually offered in the spring semester.

Prerequisite(s): 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): MATH 227 or 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): MATH 237

MATH382 Advanced Calculus

Hours 3

Further study of calculus with emphasis on theory. Topics include limits and continuity of functions of several variables; partial derivatives; transformations and mappings; vector functions and fields; vector differential operators; the derivative of a function of several variables as a linear transformation; Jacobians; change of variables in multiple integrals; line and surface integrals; and Green's, Stokes', and Divergence Theorems.

Prerequisite(s): MATH 227 or MATH 247; and MATH 237.

MATH402 History Of Mathematics

Hours 3

Survey of the development of some of the central ideas of modern mathematics, with emphasis on the cultural context. Writing proficiency within this discipline is required for a passing grade in this course.

MATH403 Adv Math Connections & Devlpmn

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): MATH 237 and MATH 301

Prerequisite(s) with concurrency: MATH 470 or MATH 486

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 Teachers

Hours 3

This course will give an overview of geometry from a modern point of view. Both axiomatic and analytic approaches to geometry will be used. The construction of geometric proofs will play an important role.

Prerequisite(s): MATH 125 MATH 403 or department's permission

MATH409 Advanced Data Analysis

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): MATH 125 and ST 260

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): MATH 237 or MATH 257

MATH411 Numerical Analysis I

Hours 3

Credit will not be granted for both MATH 411 and MATH 300. A rigorous introduction to numerical methods, formal definition of algorithms, and error analysis and their implementation on a digital computer. Topics include interpolation, roots, linear equations, integration and differential equations, and orthogonal function approximation.

Prerequisite(s): MATH 237 or MATH 257; and MATH 238; and CS 150 or GES 126

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, orthogonal polynomials).

Prerequisite(s): MATH 411 or equivalent, and ability to program in a high-level programming language (MATLAB, C++, or FORTRAN).

MATH420 Linear Optimization Theory

Hours 3

In-depth theoretical development and analysis of linear programming. Topics include formulation of linear programs, various simplex methods, duality, sensitivity analysis, transportation and networks and various geometric concepts.

Prerequisite(s): MATH 237

MATH421 Non-Linear Optimization Theory

Hours 3

In-depth theoretical development and analysis of non linear programming with emphasis on traditional constrained and unconstrained non linear programming methods and an introduction to modern search algorithms.

Prerequisite(s): MATH 237 or MATH 257

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

MATH432 Graph Theory & Applictns

Hours 3

Survey of several of the main ideas of general theory with applications to network theory. Topics include oriented and nonoriented linear graphs, spanning trees, branching and connectivity, accessibility, planar graphs, networks and flows, matching, and applications.

Prerequisite(s): MATH 237 or MATH 257

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: Math 343, or consent of the department.

Prerequisite(s): MATH 343

MATH442 Integral Transf & Asympt

Hours 3

Complex variable methods, integral transforms, asymptotic expansions, WKB method, Airy's equation, matched asymptotics, and boundary layers.

Prerequisite(s): C- or higher in MATH 441

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): MATH 237 and 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): MATH 451

MATH457 Stochastic Processes I

Hours 3

Introduction to the fundamental concepts and applications of stochastic processes: Markov chains, continuous-time Markov chains, Poisson and renewal processes, and Brownian motion. Applications include queueing theory, communication networks, and finance.

Prerequisite(s): MATH 451

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, permutation groups, Cayley's theorem, finite abelian groups, isomorphism theorems, rings, polynomial rings, ideals, integral domains and unique factorization domains. Usually offered in the spring semester.

Prerequisite(s): MATH 237

MATH471 Prin Modern Algebra II

Hours 3

Introduction to the basic principles of Galois Theory. Topics include rings, polynomial rings, fields, algebraic extensions, normal extensions, and the fundamental theorem of Galois Theory. Usually offered in the fall semester.

Prerequisite(s): MATH 470

MATH474 Cryptography

Hours 3

Introduction to rapidly growing area of cryptography, an application of algebra, especially number theory. Usually offered in the Fall semester.

Prerequisite(s): 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.

MATH486 Introduction to Real Analysis I

Hours 3

Rigorous development of the calculus of real variables. Topics include topology of the real line, sequences, limits, continuity, and differentiation.

Prerequisite(s): MATH 237

MATH487 Introduction to Real Analysis II

Hours 3

Riemann integration, introduction to Reimann-Stieltjes integration, series of constants and convergence tests, sequences and series of functions, uniform convergence, power series, Taylor series, and the Weierstrass Approximation Theorem.

Prerequisite(s): 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

Hours 3

Contemporary modern Greek 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 (or superior) 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. Not repeatable without permission of the CLC director. Offered each semester.

Foreign Language

MDGR102 Elementary Modern Greek

FL

Hours 3

Contemporary modern Greek 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 (or superior) speaker of the language. Not repeatable without permission of CLC director. Offered each semester.

Foreign Language

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

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): MDGR 102

MLC155 Freshman Seminar

Hours 3

No description available

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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

No description available

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MUA100 Class Voice Beginning

Hours 1

No description available

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MUA121 Class Piano I

Hours 1

No description available

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MUA122 Class Piano II

Hours 1

No description available

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MUA123 Class Piano III

Hours 1

No description available

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MUA124 Class Piano IV

Hours 1

No description available

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MUA129 Guitar (Non-Majors)

Hours 0.5-1

No description available

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MUA130 Harp (Non-Majors)

Hours 0.5-1

No description available

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MUA131 Piano (Non-Majors)

Hours 0.5-1

No description available

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MUA132 Organ (Non-Majors)

Hours 0.5-1

No description available

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MUA133 Harpsichord (Non-Majors)

Hours 0.5-1

No description available

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MUA134 Voice (Non-Majors)

Hours 0.5-1

No description available

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MUA135 Violin (Non-Majors)

Hours 0.5-1

No description available

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MUA136 Viola (Non-Majors)

Hours 0.5-1

No description available

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MUA137 Cello (Non-Majors)

Hours 0.5-1

No description available

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MUA138 String Bass (Non-Majors)

Hours 0.5-1

No description available

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MUA139 Flute (Non-Majors)

Hours 0.5-1

No description available

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MUA140 Oboe (Non-Majors)

Hours 0.5-1

No description available

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MUA141 Bassoon (Non-Majors)

Hours 0.5-1

No description available

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MUA142 Clarinet (Non-Majors)

Hours 0.5-1

No description available

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MUA143 Saxophone (Non-Majors)

Hours 0.5-1

No description available

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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

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MUA149 Percussion (Non-Majors)

Hours 0.5-1

No description available

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MUA150 Symphony Orchestra

Hours 0-1

Applied Ensemble at the undergraduate level.

MUA151 Alabama 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 Campus Band

Hours 0-1

Applied ensemble at the freshmen level.

MUA158 Contemp Music 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.

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 Alabama Women's Chorale

Hours 0-1

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

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MUA171 Piano (Majors)

Hours 1-4

No description available

.

MUA172 Organ (Majors)

Hours 1-4

No description available

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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

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MUA176 Viola (Majors)

Hours 1-4

No description available

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MUA177 Cello (Majors)

Hours 1-4

No description available

.

MUA178 String Bass (Majors)

Hours 1-4

No description available

.

MUA179 Flute (Majors)

Hours 1-4

No description available

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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

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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

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MUA187 Euphonium (Majors)

Hours 1-4

No description available

.

MUA188 Tuba (Majors)

Hours 1-4

No description available

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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.

MUA199 Sophomore Qualifying

Hours 0

No description available

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MUA220 Class Guitar

Hours 1

No description available

.

Prerequisite(s): MUS 115

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 String 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 Symphony Orchestra

Hours 0-1

Sophomore level ensemble.

MUA251 Alabama 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.

Prerequisite(s): We are simply changing this from variable hours to 1. Thank you.

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 Campus Band

Hours 0-1

Applied Ensemble at the sophomore 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 0-1

Applied ensemble for singers at the sophomore 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.

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 Harpsichord (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 String Bass (Majors)

Hours 1-4

Applied lessons for music majors at the sophomore level.

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.

MUA299 Piano Proficiency

Hours 0

No description available

MUA331 Piano II (Secondary)

Hours 0.5-1

Secondary applied piano study for music education students in the third and fourth semester of piano.

Prerequisite(s): MUA 231

MUA334 Voice II (Secondary)

Hours 0.5-1

Secondary applied voice for music majors in the third and fourth semesters of taking the course.

Prerequisite(s): MUA 234

MUA350 Symphony Orchestra

Hours 0-1

Applied ensemble at the junior level.

MUA351 Alabama 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 Campus Band

Hours 0-1

Applied ensemble at the Junior level.

MUA358 Contemp Music 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.

MUA366 Piano Ensemble

Hours 0-1

Applied ensemble at the junior level for keyboard majors.

MUA367 Jazz Combo

Hours 0-1

Applied ensemble at the junior level.

MUA369 Chamber Music

Hours 0-1

Applied ensemble in a small chamber group.

MUA370 Harp (Majors)

Hours 0.5-4

No description available

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MUA371 Piano (Majors)

Hours 0.5-4

No description available

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MUA372 Organ (Majors)

Hours 1-4

Applied organ study at the junior level.

MUA374 Voice (Majors)

Hours 0.5-4

No description available

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MUA375 Violin (Majors)

Hours 0.5-4

No description available

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MUA376 Viola (Majors)

Hours 0.5-4

No description available

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MUA377 Cello (Majors)

Hours 0.5-4

No description available

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MUA378 String Bass (Majors)

Hours 0.5-4

No description available

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MUA379 Flute (Majors)

Hours 0.5-4

No description available

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MUA380 Oboe (Majors)

Hours 0.5-4

No description available

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MUA381 Bassoon (Majors)

Hours 0.5-4

No description available

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MUA382 Clarinet (Majors)

Hours 0.5-4

No description available

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MUA383 Saxophone (Majors)

Hours 0.5-4

No description available

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MUA384 Trumpet (Majors)

Hours 0.5-4

No description available

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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

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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

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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.

MUA399 Junior Recital

Hours 1

No description available

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MUA450 Symphony Orchestra

Hours 0-1

Senior level ensemble.

MUA451 Alabama 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 Campus Band

Hours 0-1

Applied ensemble at the Senior 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 0-1

Applied ensemble for singer at the senior level.

MUA466 Piano Ensemble

Hours 0-1

Applied ensemble at the senior level for keyboard majors.

MUA467 Jazz Combo

Hours 0-1

Senior level ensemble.

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

MUA473 Harpsichord (Majors)

Hours 0.5-4

Senior level applied harpsichord study for music majors.

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 String Bass (Majors)

Hours 0.5-4

Senior level applied string 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

MUA499 Senior Recital

Hours 1

No description available

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MUS115 Theory I

Hours 4

Study of the foundations of musical materials through analysis, writing, sight-singing, dictation, and keyboard skills. Offered in the fall semester.

MUS117 Theory II

Hours 4

Study of the melodic and harmonic materials of the 18th and early 19th centuries through analysis, writing, sight-singing, dictation, and keyboard skills. Offered in the spring semester.

Prerequisite(s): MUS 115 with the grade of C- or better.

MUS121 Intro To Listening

FA

Hours 3

Credit earned in this course may not be applied to a major program in the School of Music. The course presupposes no musical training on the student's part. Emphasis is on what to listen for in music.

Fine Arts

MUS150 SONGWRITING TECHNIQUES AND ANALYSES

Hours 3

Lyrical and musical components of songs will be analyzed and compared with songwriting literature and performed on musical instruments or voice.

Prerequisite(s): None

MUS155 Discover Your Inspiration

Hours 3

Imagine if you could turn on creativity like a car: rev the engine, cruise in the fast lane and park it until you need it again. Creativity really means perspiration x inspiration. You are not born with it, you have to cultivate it. This course will give you the tools to see all the possibilities around you as you begin your studies at the University of Alabama.

MUS161 Oboe Reedmaking

Hours 1

Independent laboratory instruction in oboe reedmaking. Up to four semesters of MUS 161 may be counted toward the degree.

MUS164 Chamber Choir

Hours 1

Applied ensemble for singers at the freshmen level.

MUS180 Intro Music Therapy

Hours 2

Study of music as a human behavior and of music's use with the handicapped and those suffering from behavioral disorders.

Prerequisite(s): MUS 115

Prerequisite(s) with concurrency: MUS 115

MUS182 Obsrv Orient Mu Therapy

Hours 2

Study of the functions of the music therapist with emphasis on the use of music in a therapeutic environment.

Prerequisite(s): MUS 180

MUS215 Theory III

Hours 4

Study of musical materials and forms from the early to mid-19th century. Analysis, writing, sight-singing, dictation, and keyboard skills appropriate to the musical materials studied. Offered in the fall semester.

Prerequisite(s): MUS 117 with grade of C- or better.

MUS217 Theory IV

Hours 4

Study of musical materials and forms from the mid- to late 19th century. Analysis, writing, sight-singing, dictation, and keyboard skills appropriate to the musical materials studied. Offered in the spring semester.

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.

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.

MUS244 String Pedagogy

Hours 2

Materials and methods for teaching string players in the early grades (both studio and class instruction). Offered according to demand.

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) MUS 117 (passing with a C- or better)

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 Music Therapy Skills Repertoire

Hours 2

The course emphasizes command of the wealth of folk, popular, and recreational music of the main segments of American culture, as well as polished singing and accompanying skills needed for competent performance.

Prerequisite(s): MUS 182 and MUA 220

MUS281 Music Recreation Techniques

Hours 2

This course introduces students to basic materials and methods used to engage people in leisure music activities, including singing, instrument playing, improvisation, and music listening. A large part of the course consists of learning to play and use music instruments and developing music repertoire. Students learn to lead basic activities in class and apply them in community settings with young children and senior adults.

Prerequisite(s): MUS 280 with a grade of C- or better. Corequisite: MUS 282

MUS282 Music Therapy Practicum

Hours 1

Application of skills gained in MUS 281.

Prerequisite(s): MUA 220 and MUS 182 Corequisite: MUS 281

MUS300 Intro Music Theory Research

Hours 2

An introduction to scholarly research for students who plan academic careers as musical theorists.

Prerequisite(s): Permission of the Instructor of record.

MUS301 Concepts, Techniques, and Philosophy of Improvisation Through Music

Hours 2

A course in the practicality/functionality of music improvisation, including philosophical aspects of improvisation in all the arts and the relationship to other non-arts related disciplines.

MUS303 16th Cent Counterpoint

Hours 3

Practical study, through analysis and composition, of vocal polyphony as developed in the 16th century. Offered in the spring semester of odd numbered years.

Prerequisite(s): MUS 117

MUS304 18th Cent Counterpoint

Hours 3

The 18th-century style of counterpoint as developed by Bach. Offered in the fall semester.

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 within this discipline is required for a passing grade in this course. Offered in the spring semester.

Prerequisite(s): MUS 217

Writing

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 Managemt Activity

Hours 2

Practical consideration of all aspects of concert production and administration for musicians and music business people.

MUS316 Careers In Music

Hours 2

Exploration of careers in concert and commercial music for musicians and others. Offered spring semester.

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 within this discipline is required for a passing grade in this course. Offered in the fall semester.

Prerequisite(s): MUS 252

Writing

MUS324 Practical Skills and Concepts for the 21st Century Musician

Hours 2

The Course will provide information designed to challenge (student's) concepts of change, leadership and creativity. Concepts which are 21st century necessities. Practical steps of implementation in these 3 areas will be offered through mini- internships in the SOM . In particular through activities involving the SOM Concert Hall, Recital Hall, Music Services, The TSO, the modern applied studio, Arts Council and the Alys Stephens Center. Students will learn how to work with others; focus on the underbelly of performance ; value the necessary stream of activity needed for a successful production. Such "productions" may include developing an idea, running a meeting, producing an event or a concert, write/speak about music and the arts.

MUS325 Orchestration I

Hours 3

Basic instrumentation and writing for ensembles and orchestra. Offered in the fall semester of even-numbered years.

Prerequisite(s): MUS 215

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.

MUS331 Jazz Symposium

Hours 3

No description available

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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.

Writing

MUS333 Service Playing

Hours 3

No description available

MUS334 Service Playing

Hours 3

No description available

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.

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.

MUS364 Chamber Choir

Hours 1

Applied ensemble for singers at the junior level.

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 Intro Psychology Music

Hours 3

Basic study of acoustics, the ear and hearing, and the psychosociophysiological processes involved in musical behavior.

Prerequisite(s): MUS 281 and MUA 199

MUS382 Music Therapy Practicum

Hours 1

Supervised music therapy experience in local facilities.

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 Advanced Counterpoint

Hours 3

The writing of fugue, variation, ground-bass, and canon. Offered in the SPRING semesters of EVEN-numbered years.

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 Digtl Syn Of Elec Mus

Hours 3

Instruction in the design and utilization of sound-generating computer programs. Offered in the fall semester of even-numbered years.

MUS414 Tech Electronic Music II

Hours 3

Utilization of digital synthesizers and advanced studio techniques. Offered in the spring semesters of even-numbered years.

MUS418 Structural Analysis II

Hours 3

Study of pitch structure in tonal compositions as revealed by Heinrich Schenker and his followers. Offered in the fall semesters of odd-numbered years.

Prerequisite(s): MUS 307 or permission of the instructor

MUS419 Composition V

Hours 3

No description available

MUS420 Composition VI

Hours 3

No description available

MUS426 Analysis 20th Cent 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. Offered in the fall semesters.

Prerequisite(s): MUS 304, MUS 307, or permission of instructor.

MUS427 Studies In Special Lit

Hours 3

Thorough study of topics not included in the curriculum. Offered according to demand.

MUS431 Organ Design

Hours 2

This course is a study of the basic components of pipe organ design and construction, with a consideration of some of the aesthetic, tonal, and physical aspects of organ installations in a church, home, or concert hall.

MUS433 Proseminar Symphonic Lit

Hours 3

Lecture and class reports analyzing selected masterworks from the symphony, symphonic poem, and concert overture repertoire.

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.

MUS478 Organ Literature

Hours 2

Continuation of MUS 477. Offered in spring of odd numbered years.

MUS480 Music in Therapy I

W

Hours 3

Study of diagnostic categories, standard clinical techniques, and applications in music therapy. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): MUS 380

Writing

MUS481 Music Therapy II

Hours 3

Study of etiology, literature, and uses of music in treatment.

Prerequisite(s): MUS 480

MUS482 Music In Therapy III

Hours 3

Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): MUS 481

MUS487 Sem Prof Pract Mu Therp

Hours 2

Study of clinical administration, supervision, ethics, and professional behavior.

MUS488 Comp Exam Music Therapy

Hours 0

No description available

MUS489 Music Therapy Internship

Hours 6

*No description available***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 Indep Research In Mus

Hours 1-6

*No description available***NEW100 Intro Interdisc Integratv Stdy***FCMP*

Hours 1-2

Designed to help New College students become more informed about the University and about New College so that they may maximize their opportunities in their undergraduate programs through New College. Enrollment is limited to New College students.

Freshman Compass

NEW120 Inclusive Leadership Through Sustained Dialogue

Hours 1

In an increasingly globalized world, leaders need the skills to resolve conflict across difference. Sustained Dialogue is a five-stage dialogue-to-action model that requires participants to take the time to focus first on transforming change-blocking relationships, and then on solving problems. This course will explore the theory behind this innovative model and ultimately consider how Sustained Dialogue applies to visions for positive change at the University of Alabama. Participants will receive an introduction to the Sustained Dialogue model and then meet in dialogue groups weekly to work through the 5 stages to address specific issues on campus.

Prerequisite(s): NONE

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

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*

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.

Prerequisite(s): None

Prerequisite(s) with concurrency: None

Fine Arts, Humanities

NEW215 Perspec. on Env. Literature

HU

Hours 4

Considers perspectives on environmental studies within the humanities by examining key texts of environmental literature.

Humanities

NEW223 Mcnair Scholar'S Seminar

Hours 1

To provide knowledge and skills in a variety of areas to strengthen personal, academic, and research competencies vital to success in graduate programs.

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 Cooperation & Conflict

SB

Hours 4

This seminar explores cooperation and conflict in human societies; all that we do or fail to do in living together effectively. Students investigate and seek solutions for contemporary social problems.

Social and Behavioral Sciences

NEW238 Honors: Coop. & Conflict

SB, UH

Hours 4

This honors seminar explores cooperation and conflict in human societies – all that we do or fail to do in living together effectively. Students investigate and seek solutions for contemporary social problems.

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

Hours 3

*No description available***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.

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.

NEW342 Social Action and Performance
Hours 3

Social Action and Performance is open to all students. The course uses an interdisciplinary approach to the world of theatrical performance and explores the work of Augusto Boal and Theatre of the Oppressed model as a mechanism for social change. The course will train students to educate their peers through performance about interpersonal violence and contemporary issues of multiculturalism on campus. Students will use improvisation, participatory activities, readings, and assessments to engage in social action. Students are encouraged to participate in self-exploration with respect to the issues mentioned above as part of their trainings with these techniques. Students who participate in this course will become official members of the theatre troupe called Unscripted.

Prerequisite(s): (EN 101 and EN 102) or EN 103

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.

Prerequisite(s): N/A

Writing

NEW361 Handmade Sounds: A Hands-on History of Electronic Music
W

Hours 4

Did you know you can make electronic music with credit cards? Old toys? 30-cent circuit boards? This course will teach you to build your own electronic orchestra from scratch while also exploring the history of electronic music, with a special focus on tinkering experimenters that created electronic music using self-made instruments. Through a combination of theory and practice, you will learn about electronic music's pioneers, recreating some of their early experiments to experience this history with your own hands and ears. We will explore the construction of a variety of simple electronic instruments, learn to play them, and perform a concert at the end of the term. No previous musical or technical experience is required, but there will be a significant amount of hands-on work with tools and wires in addition to the usual course load of reading, writing and discussion, so an interest in working with technology is a must. Each day of the course we will discuss the work of historical figures in electronic music followed by a laboratory period of hands-on exploration and creation. You are required to write 10 500-word essays articulating your response to the course materials. Writing proficiency within this discipline is required for a passing grade in this 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.

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.

NEW407 407 W: 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

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.

Prerequisite(s): N/A

Writing

NEW412 Songwriting Workshop

W

Hours 4

Songcraft: songwriting workshop focuses on how songs are made. After a study of various genres (blues, troubadours, popular) students will produce their own songs. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

NEW413 Mythologies

Hours 4

This course in comparative mythology introduces students to mythological systems from a variety of cultures, including preclassical, Greek, American Indian, Oriental, African, and contemporary American. Recurring motifs and current theories on the mythologizing process are analyzed.

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 within this discipline is required for a passing grade in this 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. Because this course carries a "W" for the Core Curriculum, writing proficiency is required for a passing grade.

Writing

NEW418 Mash-Up: Intermedia Intersections in the Arts*W*

Hours 4

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.

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

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 within this discipline is required for a passing grade in this course.

Writing

NEW437 Civic Awareness

Hours 4

Current events are examined through print and electronic media in order to assist students in evaluating various sources of information concerning public issues and in developing a public philosophy for responsibilities as a citizen.

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

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 within this discipline is required for a passing grade in this 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. This course meets a college core writing requirement; a demonstration of writing proficiency is required for a passing grade in this course. The course has New College designations for Environment, Sustainability, and Conservation (ESC) and Social Problems and Social Change (SPSC).

Writing

NEW443 Science & Technology

Hours 4

The course teaches scientific concepts (time and laws of thermodynamics, change, measurement, reality, etc.) as they relate to the various sciences (anthropology, mathematics, etc.). The relationship of science and technology to the environment of the Earth's surface is stressed.

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

NEW446 Gender and Environment

W

Hours 3

This course examines histories of concepts of nature and gender, philosophies of eco-feminism, and accounts of gender-based efforts for environmental reform.

Writing

NEW450 Conservation Field Studies in Belize

Hours 4

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 within this discipline is required for a passing grade in this course.

Writing

NEW473 Globalization & Folk Crft Prod

W

Hours 4

This course examines the relationship between the global and the local, using world folk craft (for example, pottery) as a point of focus. The functions of creativity in industrialized and nonindustrialized societies are explored through a combination of reading, research, discussion, and studio experiences. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

NEW474 Survival*W*

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. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

NEW490 Special Topics

Hours 3-4

The subject matter varies.

NEW491 Special Topics - Practice

Hours 3-4

Subject matter varies. Hands on interdisciplinary learning opportunities.

NEW495 Capstone Sem & Senior Project

Hours 2

14 hours of New College coursework and successful junior year review. New College students only, concluding integrative project.

NOR101 Elem Norwegian Language*FL*

Hours 3

Contemporary Norwegian: 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.

Foreign Language

NSE401 National Student Exchange A*DX*

Hours 12

No description available

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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

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).

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.

Prerequisite(s): PH 253

Prerequisite(s) with concurrency: 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

Continuation of PH 253. Applications of quantum mechanics, including lasers, semiconductors, particle physics, nanoscience, and other current topics.

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

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

PH413 High School Physics Labs I

Hours 1

This course is designed to provide training in Level 1 Alabama Science in Motion physics laboratory activities for pre-service high school physics teachers. In addition to hands-on training, students will observe a selected number of ASIM lab activities being performed in a local high school classroom. Whenever possible, training will occur jointly with ongoing in-service workshops provided by the ASIM physics specialist.

Prerequisite(s): PH 102 or PH 106 or PH 126

PH414 High School Physics Labs II

Hours 1

This course is designed to provide training in Level 2 Alabama Science in Motion physics laboratory activities for pre-service high school physics teachers. In addition to hands-on training, students will observe a selected number of ASIM lab activities being performed in a local high school classroom. Whenever possible, training will occur jointly with ongoing in-service workshops provided by the ASIM physics specialist.

Prerequisite(s): PH 102 or PH 106 or PH 126

PH415 High School Physics Labs III

Hours 1

This course is designed to provide classroom experience for students who have received training in Levels 1 and 2 Alabama Science in Motion physics laboratory activities for pre-service high school physics teachers. Students will assist with approximately six different ASIM lab activities being performed in a local high school classroom. They will meet with the classroom teacher before and after each class to discuss the goals and objectives and to assess the effectiveness of the activity, and they will write a report on their observations.

Prerequisite(s): PH 102 or PH 106 or PH 126

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 Schrodinger 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

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 within this discipline is required for a passing grade in this 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 441

PH482 Topics Physics & Astronomy

Hours 1-3

Topics in physics and astronomy not covered by existing courses. Repeat credit is allowed for different topics.

PH488 Nanoscale Science and Applications

Hours 3

Nanoscale science and technology are based on the study and manipulation of phenomena at length scales approaching one billionth of a meter. Advances in this rapidly changing field are being made across multiple disciplines including Physics, Chemistry, Biology, Materials Science, Engineering, and Medicine with emerging practical applications in areas as varied as energy conversion and storage, manufacturing, telecommunications, information processing, medical diagnostics, and drug delivery to mention just a few. The goal of this course is to provide upper level undergraduate and graduate students with a foundational perspective on some of the key scientific principles relevant to the behavior of matter at the nanoscale as well as a review of processes, materials, and systems that derive their properties from nanoscale phenomena.

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): PH 255

Writing

PH493 Intro To Research

Hours 1-3

Credit is by arrangement, but no graduate credit will be awarded for PH 493. Student performs research under supervision of a faculty member.

PH495 Independent Study I

Hours 1-3

No description available

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PH496 Independent Study II

Hours 1-3

No description available

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PHL100 Intro To Philosophy

HU

Hours 3

Survey of the main topics of philosophy, which may include God, souls, free will, the nature of right and wrong, just government, truth, and knowledge. Offered in the fall and spring semesters.

Humanities

PHL104 Critical Thinking

HU

Hours 3

Introduction to the concepts and methods used to identify, construct, and assess arguments as they appear in editorials, articles, ordinary speech, etc.

Humanities

PHL106 Honors Introduction to Deductive Logic

UH

Hours 3

This course examines some of the formal techniques developed by philosophers and mathematicians to distinguish a good argument from a bad one. It is a self-paced course using both computer-aided learning techniques and one-on-one guidance from the instructor and the teaching assistants. The Honors version of Introduction to Deductive Logic expects mastery of more concepts, tools, and techniques of formal deductive logic than the standard version. Restricted to UA Honors students.

Prerequisite(s): 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

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

Hours 3

This is a course in deductive logic. We will focus on some formal tools for evaluating arguments. To make an argument is to offer reasons to believe some claim. More formally, an argument is a pair of things: a set of sentences, the premises; and a sentence, the conclusion. An argument is valid if it meets the following condition: it is necessary that if all its premises are true, its conclusion is true. In this class, you will learn about how to use two symbolic languages to write arguments, how to construct proofs of conclusions, and how to tell when arguments are not valid.

Prerequisite(s): MATH 100 or MATH 110 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125

PHL209 Research in Philosophy

Hours 1-3

This course is an opportunity to do 200-level self-directed study and writing on an approved topic early in a student's study of philosophy.

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

PHL215 American Philosophy*HU*

Hours 3

Relatively few courses are offered on American philosophy, in spite of the fact that the United States has become a worldwide center of philosophy, and is the home of Pragmatism, one of the three major philosophical approaches. This course will be an introduction to American philosophy from the theologian Jonathan Edwards and the political philosophers who had a hand in the founding of America, to classic pragmatists such as Peirce, James and Dewey, and leading 20th century thinkers, such as Quine, Kuhn, Rorty, Putnam and others.

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

PHL231 Social Justice in Practice

Hours 1

What does justice require in our society today? With a focus on contemporary social and political issues, we seek to answer this question by looking at different dimensions of justice. We consider how the ideals of democracy, freedom, rights, and equality ought to inform our understanding of a just society. In particular, we focus on how these ideals translate into practice with respect to philosophical debates about immigration, poverty, political participation, and socioeconomic inequality. In addition to learning about these issues in the class-room, students will develop a deeper understanding of social justice through engagement with a community project. The service-learning component of the course involves regular participation in a community program working with disadvantaged and/or marginalized populations.

Prerequisite(s) with concurrency: PHL 230

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

PHL241 Philosophical Issues in Criminal Law

HU

Hours 3

This is a course exploring major issues in the philosophy of criminal law. Topics might include the appropriate justifications for punishment, what kinds of acts are appropriately criminalized, philosophical issues relating to elements of a crime (such as whether an act is required), the problem of attempts and moral luck, affirmative defenses such as justifications and excuses, the use of vague terminology in the elements of a crime and the need for judges or juries to make moral judgments, and relations to the wider morality of law.

Humanities

PHL242 Philosophical Issues in Civil Law

HU

Hours 3

This is a course exploring major issues in the philosophy of civil law. Civil law is the area of law in which private parties sue each other, generally in order to get compensation for a perceived wrong done by the other party. It includes areas such as tort law (accidents, malpractice, etc.) and contract law. Possible topics to be covered are whether tort law is based on rectification for injustices or economic considerations, the relation of contract law to philosophical issues in promising, and philosophical issues relating to the use of a public process to redress private disputes.

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

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

PHL281 Introduction to Philosophy of Religion

HU

Hours 3

This course is an introduction 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.

Humanities

PHL286 Introduction to Philosophy of Science

Hours 3

Basic issues in philosophy of science, including the following: What distinguishes science from pseudo-science? Is there a scientific method? If so, what is that method? What constitutes a scientific explanation? How are theory and observation related? How do hypotheses get confirmed? And how do values function in science?.

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

PHL305 Symbolic Logic

Hours 3

This course aims to improve students' understanding of the basic concepts of formal logic, particularly the truth-functional and predicate calculi. Students learn convenient methods of formal reasoning, and use them to study some of the basic notions of metalogic. B- or better in PHL 195 or C or better in PHL 106, or Instructor's permission is required.

Prerequisite(s): B- or better in PHL 195 or C or better in PHL 106

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.

PHL312 Contemporary Philosophy

W

Hours 3

Philosophy in the 20th century. Topics may include linguistic analysis, logical atomism, logical positivism, ordinary language philosophy, existentialism, and phenomenology. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): Successful completion of at least 2 PHL courses

Writing

PHL332 Theories of Justice

W

Hours 3

Advanced study of prominent theories of prominent historical and contemporary theories of justice (for example, those of Plato, Aristotle, Rawls, or Nozick) and the implication of those theories for political problems such as the distribution of health care, affirmative action, or public goods. Writing proficiency within this discipline is required for a passing grade in this course.

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

PHL333 Global Justice

W

Hours 3

In an increasingly globalized world, questions of global justice have risen to prominence in contemporary political philosophy. In this course we examine the following issues. Do the demands of justice transcend state borders? Do we have reason to think that different demands of justice apply at the global level than at the state level? How do increased levels of global interdependence bear upon what we owe to foreigners versus to our fellow citizens? Does the global order harm the world's poor? Are there any universal human rights? If so, how are they justified and who is responsible for upholding them? Drawing on competing contemporary philosophical accounts of justice, we consider different ways of addressing concrete practical issues such as global poverty and inequality, humanitarian intervention, and immigration. 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 within this discipline is required for a passing grade in this course. Prerequisite(s): two PHL classes or instructor's permission.

Prerequisite(s): Two PHL classes or instructor's permission.

Writing

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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this 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. This course carries a W designation, and so writing proficiency within the discipline of philosophy is required for a passing grade in this 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 within this discipline is required for a passing grade in this 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

PHL364 Philosophy of Cognitive Science

W

Hours 3

This course addresses some core questions in the philosophy of cognitive science. Topics covered are likely to include: the computational theory of mind, the role of mental representations in cognition, the extended mind hypothesis, and mechanisms of mental state attribution. Writing proficiency is required for a passing grade in this course. Need to have taken at least two previous philosophy courses.

Prerequisite(s): Successful completion of at least 2 PHL courses.

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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this course.

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 within this discipline is required for a passing grade in this 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. Writing proficiency within this discipline is required for a passing grade in this course. Must have taken at least two previous philosophy courses or permission of instructor.

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.

PHL428 Metaethics

W

Hours 3

In this seminar we will explore issues in contemporary metaethics. Metaethics is concerned with the nature of moral properties, what moral claims mean, and how moral knowledge can be justified. In our everyday lives, we make a number of moral judgments—for instance, that we should not lie to a friend or that it is wrong to steal. Can these moral judgments be factually true, or are they just a matter of opinion? How do we come to know what is right or wrong? These are some of the key questions that will be explored in this course. Writing proficiency within this discipline is required for a passing grade in this course.

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

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. It requires writing proficiency in philosophy in order to pass and requires students to draft sustained philosophical arguments.

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

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. It requires writing proficiency in philosophy in order to pass and requires students to draft sustained philosophical arguments.

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

PHL455 Philosophy through Documentary

Hours 3

This course aims to deepen philosophical understanding primarily through watching and discussing documentary films, supplemented with philosophical readings. The topics covered will vary with the films chosen by the instructor.

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. Because this course carries a W designation, writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): None

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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this 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.

Foreign Language

POR102 Elementary Portuguese II

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/superior-level speaker of the language. Not repeatable without permission of the CLC director. Offered each semester.

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.

Prerequisite(s): POR 102

POR202 Intermed Portuguese II

Hours 3

Continuation of POR 201. Emphasis is on the development of reading skills and writing proficiency. Not repeatable without permission of CLC director. Offered according to demand.

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.

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.

PSC201 Scope Political Science

Hours 3

Survey of the political processes and institutions of contemporary societies and an introduction to the concepts and concerns of political research.

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 Constitn Law Limits Gov Power

Hours 3

Study of the constitutional foundations of federalism and the separation of powers, with emphasis on the role of the Supreme Court.

Prerequisite(s): PSC 101

PSC319 Con Law Civ Rts and Libs

Hours 3

Study of the Constitution's protections for civil rights and civil liberties, and the Supreme Court's interpretations of them.

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.

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

PSC333 Soviet Post Sov Politics

Hours 3

Study of institutions and processes in the USSR and the post-Soviet republics, with attention to concepts of authoritarianism, systemic change, and democratization.

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.

PSC335 Soc Movements & Cont Politics

Hours 3

Examination of social movements. Particular attention will be paid to the impact of movements on political processes.

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.

PSC342 For Pol Sov Un Suc State

Hours 3

Examination of the influence of the Soviet Union in the evolution of the international system as well as the interests and strategies of Russia and other successor states.

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

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.

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

PSC399 Internship In Psc

Hours 3-6

No description available

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.

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

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.

PSC433 Communism Europe 1945-89

Hours 3

Examination of the interaction of Marxist theory and practice in various national settings. Attention is given to the differential evolution of parties and regimes and to reasons for the dissolution of communist systems.

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

PSC436 Non-Communist East Europe

Hours 3

An examination of the political issues, processes, and institutions, primarily in the formerly communist states of East-Central Europe.

PSC437 Post Communism

Hours 3

Examination of processes of democratization and reversion to authoritarianism in East Central Europe and Eurasia. Political, social, and economic alterations of communist arrangements are discussed. Writing proficiency within this discipline is required for a passing grade in this course.

PSC438 Govt and Politics of S. Asia

Hours 3

Examination of South Asian states. Attention is given to the legacies of colonialism, political institutions, democratization, economic development, political conflict and regional security.

PSC441 Terrorism

Hours 3

Explores the definition and dynamics of domestic and international terrorism, terrorist ideas and terrorist organization, and the political problems of suppressing terrorism.

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

An examination of the essential structures and processes in international organizations, both governmental and nongovernmental, and their roles in the area of global security, economy, and social welfare. Writing proficiency within this discipline is required for a passing grade in this course.

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.

PSC448 Human Rights & Institutions

Hours 3

This class examines how domestic and international institutions create incentives or constraints leading to human rights violations or protections from a social science perspective.

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.

Prerequisite(s): PSC 205

PSC455 Political Traditions and Dilemmas

Hours 3

This course is a sustained examination of the history of political thought in the western tradition coupled with philosophical investigation into contemporary issues.

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.

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

PY207 Psychology Of Adjustment

Hours 3

Basic principles of mental health and an understanding of the individual models of behavior.

Prerequisite(s): PY 101 or PY 105

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

PY228 Applied Psychology

Hours 3

Examination of current uses of Psychology.

Prerequisite(s): 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

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, neopschoanalytic, 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 Special Topics in Psychology: 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 within this discipline is required for a passing grade in this 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

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.

Prerequisite(s): PY 101 or PY 105 and PY 211

Writing

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

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

Observational and research procedures with infants and young children, with emphasis on operant learning and socialization processes. 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 within this discipline is required for a passing grade in this 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 question of how do we academically study the socio-cultural constructs that we call "religion" and "violence" by examining theories & theorists of each as well as academic disciplines that study them, all in order to examine their possibly common elements and intersections. The course therefore examines 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 Stdy

HU, UH

Hours 3

Honors version of REL 100.

Humanities, University Honors

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. In particular, we will focus on the ways that these concepts have been co-constructed, focusing on their varied relationships throughout history. We will look at uses of the terms in the history of science, the impact of the scientific revolution on understandings of nature and gender, the shifting significance of science and religion from scientists and philosophers who advocate for science as religion, and the use of the natural sciences (in particular cognitive science) in religious studies. We will analyze the varied ways (including in contemporary debates) in which these terms are used and the values implicit within these uses.

Humanities

REL124 Religion & Film in America*HU*

Hours 3

Uses film as the way into understanding the religious scene in America's broad set of ideas, symbols, social movements, and institutions that affect and are affected by the wider American 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. Beginning with the Enlightenment, “religion” posed a challenge to liberal democracy in the West. This course tracks the history of how states have attempted to answer that challenge and the theories political thinkers have proposed. This course will be particularly helpful to students interested in religious studies, history, political science, law, and philosophy.

Humanities

REL208 Hinduism

Hours 3

This course comprises a broad, comprehensive, and interdisciplinary introduction to the practices and conceptions that people identify as Hinduism.

Prerequisite(s): None; it is recommended that students have already taken REL 100 and REL 102 but this is not required.

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.

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

REL228 Hy Of Christian Thought

Hours 3

The major theological orientations that have shaped Christianity in various social and historical contexts.

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 Contemporary Fil

Hours 3

Examines contemporary portrayals of the end times in popular films.

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. reactivate.

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

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 within this discipline is required for a passing grade in this course.

Writing

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.

Prerequisite(s): None

Prerequisite(s) with concurrency: None

Writing

REL336 Islam and the West
W

Hours 3

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. We will study how terms central to the concept "the West," including modern, traditional, secularism, nationalism, and citizenship, have been developed in conversation with and contrast to understandings of Islam. Muslims in America and Europe continue to challenge and shape these categories and binaries through their practices, beliefs, and identities that have been interpreted, represented, and constructed in response to conceptions of the West. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

REL340 Nietzsche and Religion
Hours 3

Examines the major writings on religion of Friedrich Nietzsche (1844-1900), with special attention to the relationship between religion, rhetoric, language, culture, and power.

REL341 Theories of Myth
Hours 3

Examination of the history of differing theories of myth, conceived as a sub-type of narrative.

REL347 Jewish-Christian Relations
W

Hours 3

Critical examination of the 2,000-year-old relationship focusing on areas of commonality and difference.

Writing

REL350 Religion in Colonial Empire
W

Hours 3

This course explores the role of colonial contact and the encounter between Europe and its others in the construction of religion as a category in the West.

Prerequisite(s): none

Prerequisite(s) with concurrency: none

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 within this discipline is required for a passing grade in this 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 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.

Writing

REL419 Myth Ritual And Magic

W

Hours 3

Examination of the theories and methods used to study the relations between religious narrative and behavioral systems. Writing proficiency within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this 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.

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.

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 introduces students to the basics of Russian: alphabet, pronunciation, elementary vocabulary, and grammar. The course emphasizes the acquisition of reading, listening, and speaking skills by the student. The class meets five times per week.

Foreign Language, Humanities

RUS102 Elementary Russian II*FL, HU*

Hours 4

This course builds upon the foundation established in RUS 101 and continues with the acquisition of elementary vocabulary and grammar. The course emphasizes the acquisition of reading, listening, and speaking skills by the student. The class meets five times per week.

Prerequisite(s): RUS 101

Foreign Language, Humanities

RUS201 Intermediate Russian I*HU*

Hours 3

This course builds upon the foundation established in RUS 101 and RUS 102 and continues with the acquisition of intermediate level vocabulary and grammar. The course emphasizes the acquisition of reading, listening, and speaking skills by the student. This course introduces students to short literary texts.

Prerequisite(s): RUS 102

Humanities

RUS202 Intermediate Russian II*HU*

Hours 3

This course builds upon the foundation established in RUS 101, RUS 102, and RUS 201 and completes the acquisition of basic vocabulary and grammar. The course emphasizes the acquisition of reading, listening, and speaking skills by the student. This course continues the use of short literary texts and introduces students to higher-style literary forms.

Prerequisite(s): RUS 201

Humanities

RUS223 Russian Literature in Translation I*HU, L*

Hours 3

Survey of Russian literature including the Golden Age until the 1880s. Authors read include Pushkin, Gogol, Lermontov, Dostoevsky, Turgenev and Tolstoy. No knowledge of Russian is required. Usually offered in the fall semester.

Humanities, Literature

RUS224 Russian Literature in Translation II*HU, L*

Hours 3

Survey of Russian literature from the 1880s until the present. Authors read include Bunin, Babel, Bulgakov, Zamyatin, Pasternak and Solzhenitsyn. No knowledge of Russian is required. Usually offered in the spring semester.

Humanities, Literature

RUS251 Russian Culture

Hours 3

Topics may include geography, law, science, agriculture, literature, sports, cinema, peasants, icons, the Russian Orthodox Church, Ukrainian Easter egg art and other folk art and crafts, foreign policy, food and cooking, entertainment, etc. No knowledge of Russian is required.

RUS252 Russian Folklore*HU, L*

Hours 3

Survey of the various genres of Russian folklore including the folk epics, historical songs, fairy tales, and proverbs as well as an introduction to various folk beliefs. No knowledge of Russian is required.

Humanities, Literature

RUS309 Adv Russian Conversn I

Hours 3

Practice in speaking modern Russian. Emphasis is on active response based on aural comprehension of the language.

Prerequisite(s): RUS 202

RUS325 Dostoevsky*W*

Hours 3

The life and works of Fyodor Dostoevsky. No knowledge of Russian is required. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

RUS326 Tolstoy*W*

Hours 3

The life and works of Leo Tolstoy. No knowledge of Russian is required. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

RUS327 Chekhov

Hours 3

This course will cover the life and major works of Anton Chekhov. All materials are read in English translation. No knowledge of Russian is required for this course.

Prerequisite(s): none

RUS328 Nabokov

Hours 3

Introduction to the life and major works of Vladimir Nabokov. No knowledge of Russian required.

RUS351 History of Russia to 1894

Hours 3

Russia to 1894.

RUS352 History of Russia and the Soviet Union since 1894

Hours 3

Russia and the Soviet Union since 1894. Same as HY 362.

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

No description available

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RUS402 Directed Readings

Hours 1-3

No description available

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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

RUS427 Business Russian

Hours 3

Acquisition of business Russian used in commercial transactions. Emphasis is on business letters and business conversation.

Prerequisite(s): RUS 310 or RUS 362

SAN101 Elementary Sanskrit*FL*

Hours 3

Ancient Sanskrit: reading, and writing. Course involves directed-self-instructional approach in the Critical Languages Center. Students are required to study the textbook. Students have reading and writing sessions three hours per week with a "language trainer" who is a superior-level reader of the language. Native Hindi 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.

Foreign Language

SOC101 Intro To Sociology

SB

Hours 3

Introduction to the scientific study of human social behavior.

Social and Behavioral Sciences

SOC202 Analysis Social Problems

SB

Hours 3

Study of contemporary social problems, including definition, description, and analysis. Emphasis is on social change perspectives and cultural complexity.

Social and Behavioral Sciences

SOC205 Social Psychology

Hours 3

Not open to students who have earned credit in PY 372. Study of the interrelationships between the individual and the group. Includes perception, cognition, attribution, attitudes, helping behavior, aggression, personal relationships, prejudice, and gender in social life. Also includes aspects of applied social psychology.

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

The course will provide a review of the major systems of thought about society. Special emphasis is given to historical context and philosophical background as they relate to the development of sociological theories. Students will be introduced to view points and idea about how society functions, the role of conflict in society and the forces of social change.

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

SOC350 Criminology

Hours 3

Theories of criminality, types of delinquent and criminal behavior, crime causation, crime control by police, and the criminal courts.

Prerequisite(s): SOC 101

SOC352 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.

Prerequisite(s): SOC 101

SOC360 Sociology of HIV/AIDS

W

Hours 3

Study of the social dimensions of HIV/AIDS. Discussions cover how HIV/AIDS is socially constructed in terms of gender, sexualities, race/ethnicity and social class. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): SOC 101

Writing

SOC390 Selected Topics In Soc

Hours 3

The course may be taken a total of four times, with different topics. Social behavior; science, technology, and society; Latin American life; small-group dynamics; environmental sociology; medical sociology.

Prerequisite(s): SOC 101

SOC404 Health and Society

Hours 3

The health consequences of social deviance and the impact of criminalization for individual and societal wellbeing. Seminar discussions cover the criminalization of mental and physical illness and illnesses arising from criminal behavior and incarceration.

SOC405 Gender & Society

Hours 3

A sociological approach to the study of women & men, focusing on: 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

This course examines such organizational failures and disasters from a variety of professional fields as way to understand how organizational life influences people's behavior, thinking, decision-making, and moral judgment. The course covers the nature of organizations, what failures and disasters reveal about the nature of knowledge and the limits of human intervention in the world, and the lessons that can be learned from failures and disasters.

Prerequisite(s): SOC 101

SOC444 Environmental Sociology

W

Hours 3

Sociological analysis of environmental issues including the background of environmental issues, population, planning, limits to growth, food and energy resources, and social impacts of environmental alterations. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): SOC 101

Writing

SOC450 Sociology Of Law*W*

Hours 3

Study of social origin and consequences of law and legal process; analysis of social factors that determine legal outcomes.

Prerequisite(s): SOC 101

Writing

SOC460 Body Politics*W*

Hours 3

Study of how human bodies are politicized in modern society. Discussions cover how the human body is politically constructed according to gender, race/ethnicity, occupation and social class. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): SOC 101

Writing

SOC471 Medical Sociology*W*

Hours 3

This course addresses topical issues relating to health, medicine, and society. The course will cover four fundamental points: how society shapes individual understandings of what it means to be healthy, how people behave when they are ill, how society produces differential patterns of health and illness, and how medicine is practiced in the United States.

Prerequisite(s): Sociology 101

Writing

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

Five hours of instruction per week. The course is the first semester of college-level study of Spanish. Offered each year.

Foreign Language, Humanities

SP102 Introductory Spanish II*FL, HU*

Hours 4

Continuation of written and oral skills in Spanish. Five hours of instruction per week. The course is the second semester of college-level study of Spanish. Conducted in Spanish. Offered each year.

Prerequisite(s): SP 101

Foreign Language, Humanities

SP103 Intensive Review Intro Spanish*FL, HU*

Hours 4

Five hours of instruction per week. Intensive review and accelerated study of Spanish language at the first- and second-semester college level. Conducted in Spanish. Offered each year.

Foreign Language, Humanities

SP104 Spanish for Engineering*FL, HU*

Hours 6

An introductory course for Spanish language with an emphasis on vocabulary for Engineers.

Foreign Language, Humanities

SP201 Intermediate Spanish*HU*

Hours 3

Review and development of grammar and syntax; development of speaking, reading, and writing skills.

Prerequisite(s): SP 102 or SP 103

Humanities

SP202 Intermediate Spanish*HU*

Hours 3

Review and development of grammar and syntax; development of speaking, reading, and writing skills.

Prerequisite(s): SP 201 or placement

Humanities

SP205 Spanish House I

Hours 1.5

One-Semester residence in Spanish House. 1.5 crs.

Prerequisite(s): Must have faculty director's permission.

SP206 Spanish House II

Hours 1.5

One-semester residence in Spanish house for 1.5hrs.

Prerequisite(s): pre-req must have faculty director's permission

SP305 Spanish House III

Hours 1.5

Spanish 305 is an advanced conversation/immersion course designed for students who want to improve their communicative abilities in Spanish. A variety of cultural texts will be based for our activities. this course combines a content-based language instruction with an interactive task-based approach. Students will be expected to participate actively in a variety of interactive small and large group activities. These activities are designed to improve conversational skills and practical knowledge about culture and language. They may include: dialogues, conversations, interviews, film reviews, group discussions and presentations. Participation in these activities will require use of Spanish in various situations that reflect normal use of different varieties of the language. The course will be conducted in Spanish.

Prerequisite(s): Must have faculty director's permission.

SP306 Spanish House IV

Hours 1.5

Spanish 306 is an advanced conversation/immersion course designed for students who want to improve their communicative abilities in Spanish. A variety of cultural texts will be the base for our activities. This course combines a content-based language instruction with an interactive task-based approach. Students will be expected to participate actively in a variety of interactive small and large group activities. These activities are designed to improve conversational skills and practical knowledge about culture and language. They may include: dialogues, conversations, interviews, film reviews, group discussions and presentations. Participation in these activities will require use of different varieties of the language. The course will be conducted in Spanish.

Prerequisite(s): Must have faculty director's permission.

SP352 Spanish Conversation

Hours 3

No description available

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 or placement.

SP354 Adv Grammar & Composition

Hours 3

No description available

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 Composition

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 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 Linguistics

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.

Prerequisite(s): SP353 SP356

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. Offered in the fall semester.

SP366 Spanish-American Civilization

Hours 3

Study of the development of Spanish-American civilization from pre-Colombian times to the present. Offered in the spring semester.

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 Literature

W

Hours 3

Study of major works in Spanish literature from the Middle Ages through the 18th century. SP 371 and SP 372 offered in alternate semesters.

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

Writing

SP372 Survey Of Spanish Lit

W

Hours 3

Spanish literature from the 19th century to the present. Readings from important authors, lectures, reports, and analysis. SP 372 and SP 371 offered in alternate semesters. Writing proficiency is required for a passing grade in this 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

Study of selected great works of Spanish-American literature from modernism to the present. Offered in the spring semester.

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

Writing

SP377 Introduction to US Latino literatures and cultures

W

Hours 3

The purpose of the course is to serve as introduction to the emergence and development of US Latino Studies, with a special focus on the literatures, arts and cultures of the different groups of Hispanics in the US. To that aim, the course presents a body of literary works and cultural artifacts (films, music, visual arts, etc) that are essential in the establishment and development of the literatures and cultures of Latinos in the US. Additionally, the course seeks to develop and enhance awareness of the Hispanic presence in the United States, and studies these cultures and literatures in relation /comparison to Spanish American and US literatures and cultures. We will also pay attention to socio-historical aspects that are instrumental in contextualizing the literary text.

Prerequisite(s): SP 353 SP 356 or permission from the instructor

Writing

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.

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 lead 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, or US Latino literature.

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, or US Latino literature.

SP491 Cervantes

W

Hours 3

In-depth study of Don Quixote. Writing proficiency within this discipline is required for a passing grade in this course. Offered in the fall and spring semester.

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

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

SS121 Intro To Social Sciences

SB

Hours 3

An introduction to the social sciences, organized into modules taught by professors from different social science disciplines. Topics may include anthropology, sociology, criminal justice, psychology, history, economics, and political science.

Social and Behavioral Sciences

SWA101 Elementary Swahili

FL

Hours 3

Contemporary Swahili: 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 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 without permission of the CLC director.

Foreign Language

SWA102 Elementary Swahili

FL

Hours 3

Contemporary Swahili: 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.

Prerequisite(s): SWA 101

Foreign Language

SWA201 Intermediate Swahili I

Hours 3

Continuation of Swahili 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.

Prerequisite(s): SWA 102

SWA202 Intermediate Swahili II

Hours 3

Continuation of SWA 201. Emphasis is on the development of reading skills and writing proficiency. Offered according to demand. Not repeatable without permission of the CLC director.

Prerequisite(s): SWA 102

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.***This course does not count toward the theatre major.

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

Hours 3

An introduction to the various areas of theatrical design and technology, including but not limited to scenery, costumes, lighting, sound, and makeup.

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.

TH220 Fundamental Stage Scenery

Hours 3

Required lab. Survey of the techniques for building, rigging, and painting scenery for various forms of production. Emphasis is on scenery for the stage.

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.

TH241 Beg Voice Speech Perform

Hours 3

A beginning course in the proper use of the vocal 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, deck crews, and performance.

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 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.

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 production in the area[s] of your preference (availability permitting). Opportunities in scenery, lighting, properties, sound, costuming, publicity, musical theatre, stage management, and performance, etc.

Prerequisite(s): TH 291

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

TH419 Electricity and Electronics for the Stage

Hours 3

This course provides study and studio work in aspects of electricity and electronics with reference to understanding, usage, and design of systems for theatrical production. This course will cover the essential concepts of electrical theory for both AC and DC systems. The student will not only be exposed to theory, but will also have hands-on experience. As a large portion of the subject matter of the class deals in scientific theory and computations, competency in basic mathematics and algebra is essential.

Prerequisite(s): TH 220 or Instructor Approval

TH420 Technical Direction

Hours 3

This course will provide students with an overview of the technical design, construction techniques, and the administrative and management functions that are a part of the field of technical direction.

Prerequisite(s): TH 220 and TH 423

TH421 Period Decor

Hours 3

A survey of period architecture, art, and decorations as they apply in research for theatrical design and productions.

Prerequisite(s): TH 120 or TH 220

TH422 Scene Design

Hours 3

A studio course exploring the process and techniques of scene design. Students will design about ten projects from three to five plays.

Prerequisite(s): TH 120 or TH 220 or TH 423

TH423 Drafting For Theatre

Hours 3

A studio course exploring traditional and computer based techniques of technical drafting 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

TH424 Adv Scene Design

Hours 3

A studio course in drafting, drawing, and painting techniques for the stage designer.

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 Prod Tech Th Dn

Hours 3

The course provides the student with a working knowledge of sound production. It emphasizes the creation of sound files for theatre and dance, and the setup and maintenance of sound reproduction and modification equipment.

TH427 Computer Graphics 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

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

TH434 Costume Design II

Hours 3

Continued, advanced study of the material in TH 433. Projects address specific problems in design.

Prerequisite(s): TH 433

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.

TH437 Drawing for Stage Designs

Hours 3

This course is designed to teach students in stage design all aspects of drawing and rendering. Students will explore different types of media in which to color the drawings as well as how to render specific types of fabrics. Drawing exercises will focus on live models with and without period garments and elements of stage settings. May be repeated for a maximum of 9 hours.

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. Techniques alternate in successive semesters. May be repeated for a maximum of 6 hours for differing topics.

Prerequisite(s): TH 240

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.

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.

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. 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. 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.

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

TH483 Playwriting II

Hours 3

An advanced course in playwriting concentrating on full-length play forms, draft revisions, and the script development process. Offered in alternate years.

Prerequisite(s): TH 120 and 220 or by permission of the instructor

TH491 Practicum III

Hours 1

Participation in University Theatre production through performance and design/leadership assignments in scenery, lighting, properties, sound, costuming, publicity, musical theatre, and stage management, theatre management, etc.

Prerequisite(s): TH 391

TH499 Independent Study

Hours 1-4

No description available

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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

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 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.

Prerequisite(s): THAI 101

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 0.5-2

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 0.5-2

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

THMT374 Junior Musical Theatre Voice

Hours 0.5-2

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 0.5-2

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 or TH 374

TURK101 Elementary Turkish

FL

Hours 3

Contemporary Turkish: 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.

Foreign Language

TURK102 Elementary Turkish

FL

Hours 3

Contemporary Turkish: 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.

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.

Prerequisite(s): TURK 102

VIET101 Elementary Vietnamese

FL

Hours 3

Contemporary Vietnamese: 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.

Foreign Language

VIET102 Elementary Vietnamese

FL

Hours 3

Contemporary Vietnamese: 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.

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.

WS310 Special Topics

Hours 3

Changing topics: for example, women and work, women in the world, social inequality.

WS329 Social Movements through Social Media

Hours 3

This course explores contemporary U.S social movements around gender and racial justice through the lens of social media activism. The multi-faceted online forums that activists have at their disposal today marks a significant break with the past and yet, "using" the media has long been a central tactic for many U.S. justice movements of the late 20th century. Students will be guided through data collection exercises and discursive analysis of the information gathered in order to interrogate the knowledge produced by select social movements through their use of social media overtime. Employing theoretical, historical, and ethnographic arguments at the center of feminist and anti-racist struggles, students will explore the opportunities and constraints of relying on social media and its particular import for what the academy refers to as a "public intellectualism."

WS340 Women And Law

Hours 3

This seminar's major focus is the impact of law on the status and lives of women.

WS342 Women in the South

W

Hours 3

Examination of the cultural concepts, myths, and experiences of black and white Southern women from a variety of economic and social backgrounds. Special attention is given to the interaction of race, class, and gender in Southern women's lives. Texts include historical studies, autobiographies, biographies, oral histories and novels written by and about women in the 19th and 20th -century South. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

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.

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.

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 completing this 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

WS440 Seminar in Women's Studies

W

Hours 3-9

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.

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

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.

WS452 Contemporary Women's Studies

Hours 3

What is the "essence" of Women's Studies? Is it feminist? What does it mean for a text to be identified as "essential" to the field of Women's and Gender Studies, an interdisciplinary field? This course considers these and other questions as it locates key texts and themes that are, among many, "essential" to the field of Women's and Gender Studies, as well as central to feminist scholarship across disciplines and to feminist praxis. Course readings include "classic," visionary texts, by authors such as Stephanie Coontz and Barbara Ehrenreich; new and groundbreaking writings by authors such as Jennifer Baumgardner and Angela Davis, as well as literary texts by Margaret Atwood and Octavia Butler. Students will read and reflect on assigned readings, discuss them, write regular responses to them, and prepare three formal essays on the texts and issues central to this course.

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 Commerce & Business Admin Courses

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.

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.

Prerequisite(s): EC 110

AC289 Computer Applications

C

Hours 3

Introduction to information technology and computer applications in business. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 102 or CS 114 or CBH 101

Computer Science

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.

Prerequisite(s): AC 201 and AC 202; or AC 210

AC311 Financial Reporting & Analysis of Business Activities II

Hours 3

Continuation of AC 310.

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): AC 210

AC351 Managerial Accounting Decisions

Hours 3

Study of managerial accounting concepts and their use in business decisions. Not open to accounting majors.

Prerequisite(s): AC 210 or AC 201 and AC 202

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): AC 210 or AC 201 and AC 202

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.

Prerequisite(s): AC 201 and AC 202; or AC 210

AC371 Introduction To Taxation

Hours 3

Introduction to tax policy, planning, practice, and research with an emphasis on income taxation.

Prerequisite(s): AC 201 and AC 202; or AC 210

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): AC 289 or 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.

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.

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): AC 210 Intro to Accounting

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 3

Independent Study.

AC492 Accounting Internship

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations.

AC497 Special Topics

Hours 3

Special Topics.

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

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.

Prerequisite(s): EC 110

Social and Behavioral Sciences

EC300 Current Economic Problems

Hours 3

No description available

Prerequisite(s): EC 110 and EC 111

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.

Prerequisite(s): MATH 121 or MATH 125; and EC 110 and EC 111

EC309 Intermediate Macroeconomics

Hours 3

A study of the theoretical framework underlying income, employment, and growth analysis.

Prerequisite(s): EC 110 and EC 111

EC389 Computerized Management Information Systems

C

Hours 3

Introduction to the components of computerized management information systems and applications of computer-based systems to business decisions. Students may not receive credit for EC 389 and FI 389.

Prerequisite(s): ST 260 or ST 250 and ST 251; and AC 210 and EC 110 and EC 111 and FI 302 or IE 203 or CE 366

Computer Science

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): EC 110 and EC 111 and ST 260 or ST 250 and ST 251; and OM 300 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.

Prerequisite(s): EC 308

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

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 and EC 309

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): EC 110 and EC 111

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 110 and EC 111

EC423 Public Finance

Hours 3

Study of the principles of taxation, government expenditures, borrowing, and fiscal administration.

Prerequisite(s): EC 308

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

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): FI 301 or EC 309 or EC 430

EC442 Economic Development of Latin America

Hours 3

A comparative analysis of economic strategies, problems, issues, and policy outcomes with special attention given to Mexico, Costa Rica, Cuba, and Brazil.

Prerequisite(s): EC 110 and EC 111

EC444 Political Economy of Terrorism

Hours 3

Rational actor models applied to the study of terrorism. Empirical examination of the economic impact of terrorism and of the effectiveness of anti-terrorism policies.

Prerequisite(s): EC 308

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

EC470 Introduction to Mathematical Economics

Hours 3

Application of selected mathematical methods to the analysis of economic problems.

Prerequisite(s): EC 309

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): MATH 121 or MATH 125 or MATH 145; and ST 260 or ST 250 and ST 251; and EC 110 and EC 111

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): MATH 121 or MATH 125 with a minimum grade of C-.

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

EC482 Seminar on Economic Issues

Hours 3

Group discussion of current economic issues together with analysis and policy recommendations. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): EC 110 and EC 111

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

EC491 Independent Study

Hours 1-6

Students may earn degree credit for only one independent study course (491).

Prerequisite(s): EC 110 and EC 111

EC492 Internship

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. The internship is administered through the C&BA Office of Student Services.

Prerequisite(s): EC 110 and EC 111

EC497 Special Topics in Economics

Hours 1-3

No description available

Prerequisite(s): EC 110 and EC 111

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.

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.

FI314 Introduction to Investing

Hours 3

No description available

FI331 Principles of Real Estate

Hours 3

Survey of various aspects of real estate business and economics, including marketing, finance, development, law, appraising, etc. FI 331 can be taken concurrently with FI 302.

Prerequisite(s): FI 302 or CE 366 or ME 203

Prerequisite(s) with concurrency: FI 302

FI334 Introduction to Real Estate Property Management

Hours 3

Provides an introduction 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. FI 334 can be taken concurrently with FI 331.

Prerequisite(s): EC 110 and EC 111 and FI 331

Prerequisite(s) with concurrency: FI 331

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): EC 110 and EC 111

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.

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): EC 110 and EC 111 and FI 302 or IE 203 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): EC 110 and EC 111 and ST 260 or ST 250 and ST 251; and AC 210 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): EC 110 and EC 111 and FI 302 or IE 203 or CE 366

FI411 Corporate Financial Policy

Hours 3

An integrative course designed to give the student experience in problem solving in finance. Cases will be used to permit students to apply what they know to specific business problems.

Prerequisite(s): FI 410 and EC 110 and EC 111 and FI 302 or IE 203 or CE 366; and FI 410

Prerequisite(s) with concurrency: FI 410 and FI 410

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): EC 110 and EC 111 and FI 302 or IE 203 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): EC 110 and EC 111 and FI 302 or IE 203 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

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 Principles of Value Investing

Hours 3

Study of the core principles of value investing as developed in the classic writings of Benjamin Graham and David Dodd.

Prerequisite(s): FI 302

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) 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

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): FI 301 or EC 309 or EC 430

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): FI 302 or CE 366 or IE 203

FI436 Real Estate Financing

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): FI 302 or CE 366 or IE 203

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 and EC 111 and FI 341 and FI 302 or IE 203 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 and EC 111 and FI 341 and FI 302 or IE 203 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 and EC 111 and FI 341 and FI 302 or IE 203 or CE 366

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, FI 360 and LGS 403

Prerequisite(s) with concurrency: FI 414 and FI 444

FI491 Independent Study

Hours 1-6

Students may earn degree credit for only one independent study course (491). Individually directed research and reading.

Prerequisite(s): EC 110 and EC 111

FI492 Internship

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. The internship is administered through the C&BA Office of Student Services.

Prerequisite(s): EC 110 and EC 111

FI497 Special Topics In Finance

Hours 1-3

Topics may vary.

Prerequisite(s): EC 110 and EC 111

GBA145 Freshman Compass: CBA
FCMP

Hours 1

An introduction to the Culverhouse College of Commerce and Business Administration. Topics include adjustment to college life, study skills, career exploration, and majors offered in the College.

Freshman Compass

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 Distance Learning Seminar

Hours 2

GBA 245 is a mandatory course to introduce newly admitted distance learning students to the Culverhouse College of Commerce. Topics include: adjustment to online learning, study skills, resources available to distance learners, and program requirements for online General Business majors.

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

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): EC 110 and EC 111 and LGS 200 and AC 210 or AC 201 and AC 202; and MATH 112 or MATH 115 or MATH 121 or MATH 125; and ST 260 or ST 250 and ST 251

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.

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): AC 210

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.

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): AC 210 and EC 110 and EC 111 and LGS 200 and ST 260 AND MATH 121 OR MATH 125. Completion of or enrollment in all 300 level C&BA field courses MGT 300, MKT 300, OM 300, FI 302, and GBA 300.

Prerequisite(s) with concurrency: MGT 300 and MKT 300 and OM 300 and FI 302 and GBA 300

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.

Prerequisite(s): MGT 300

HCM360 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): MATH 121 or MATH 125; and AC 210 and LGS 200 and ST 260 and CS 102

Prerequisite(s) with concurrency: MGT 300

HCM361 Healthcare Finance and Reimbursement

Hours 3

Focuses on health insurance operations, principles, payment methods and contracts, and revenue cycle management. Key topics include private and public sector insurance, insurance contracts, underwriting principles, and inpatient and outpatient payment processes.

Prerequisite(s): HCM 360

HCM362 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): HCM 360

Prerequisite(s) with concurrency: HCM 361

HCM463 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): HCM 361, HCM 362 and MGT 452

Prerequisite(s) with concurrency: MGT 464

HCM464 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): HCM 361, HCM 362 and MGT 452

Prerequisite(s) with concurrency: HCM 463

HCM465 Healthcare Analytics Projects 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): HCM 463 and HCM 464

HCM491 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): MGT 300

HCM492 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 and EC 111

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.

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): MGT 300 or MKT 300

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.

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

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.

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.

LGS350 Crimes Torts Bus Envir

Hours 3

No description available

LGS402 Government & Business

Hours 3

This course is designed to give students some information about the regulations which government may or may not impose upon business, leaving students free to form their own conclusions as to their wisdom, adequacy, and practicability. Survey of basic constitutional principles and legal aspects of recent federal legislation affecting business and antitrust laws.

Prerequisite(s): LGS 200 and EC 111

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): LGS 200

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): LGS 200

LGS472 Legal Aspects of Health Care

Hours 3

Examines aspects of the law that are of most concern to individuals in health care management, including administrative law, hospital law, welfare law, public health law, and licensing and legislation.

Prerequisite(s): LGS 200 and HCM 370

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.

Prerequisite(s): MATH 121 or MATH 125 or MATH 126; and ST 260 and LGS 200 and EC 110 and AC 210

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): MGT 300 and EC 110 and EC 111

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) 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): MGT 300

MGT322 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): Junior class standing and enrollment in College of Commerce and Business Administration, OR by permission of instructor.

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): 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): MGT 300

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): MGT 386

Prerequisite(s) with concurrency: MGT 386

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.

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) 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.

MGT415 Ethics in Leadership Decision-Making

Hours 3

Using applied descriptive functional behavioral analytic techniques, students sequentially analyze, decompose, and develop models to explain unethical leadership decision making in organizations using quasi-naturalistic behavioral observation.

Prerequisite(s): MGT 300 or MGT 320 or MGT 341

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 and MGT 301

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): MGT 300

MGT422 Leadership Communication

Hours 3

Analysis of the role of communication in effective leadership for all management situations.

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

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 and MGT 301

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

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, MGT 301

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 and 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.

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 300 and MGT 386

Prerequisite(s) with concurrency: MGT 387

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): 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 and MKT 410

Prerequisite(s) with concurrency: MGT 387, MGT 388, MGT 481

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

Prerequisite(s) with concurrency: MGT 387, MGT 388 and MGT 481

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 and MGT 484

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.

Prerequisite(s): 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. The internship is administered through the C&BA Office of Student Services.

Prerequisite(s): 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.

MIS120 Business Programming I

Hours 3

First computing class designed for students that will be majoring in Management Information Systems.

Prerequisite(s): MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 145 or MATH 126 or MATH 146

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.

Prerequisite(s): CS 102 or CS 100 or CS 104 or CS 150 with a grade of C- or higher; or UA Computer Science Placement Test Score of 380

MIS220 Business Programming II

C

Hours 3

A second computing class designed for students that will be majoring in Management Information Systems.

Prerequisite(s): CS 120 or MIS 120 or CS 150 or CBH 101 or CS 100

Computer Science

MIS295 Business Analysis Project Management

Hours 3

An introduction to the fundamental concepts of business-process analysis, team-based project management, and use of information technology resources to develop information systems. Emphasis is placed on creating business value in systems ranging from transactional processing to e-commerce.

Prerequisite(s): CS 150 or CS 120 or MIS 120 or CS 100

Prerequisite(s) with concurrency: CS 120 or CS 150 or MIS 120 or CS 100

MIS310 Applied Organizational Information Technologies

Hours 3

Students learn the IS development process and how to leverage underlying organizational IT components. Provides non-technology major students with the essentials of how IS are developed and used. Emphasis is on databases, data networks, mobile computing, and decision support.

Prerequisite(s): CS 102 or CS 120

MIS320 Application & Information Architecture

Hours 3

The study and application of software engineering, application patterns, and file structures. Students design, construct, and test software structures for effective information management.

Prerequisite(s): MIS 295 ; CS 491 or CS 220 or MIS 220

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.

Prerequisite(s): MIS 295 and CS 120 or CS 150 or MIS 120 or CBH 101 or CS 100

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.

Prerequisite(s): MIS 200 or MIS 295; and CS 120 or CS 150 or MIS 120 or CS 100 or CBH 101

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.

Prerequisite(s): MIS 320 and MIS 330

Prerequisite(s) with concurrency: MIS 450

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.

Prerequisite(s): MIS 340 and MIS 430 and MIS 450

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): MIS 200 or MIS 295

MIS450 Systems Construction & Implementation I

Hours 3

Leveraging software development skills from prior MIS and CS courses, students construct, test, and deploy IT-based business solutions.

Prerequisite(s): MIS 320 and MIS 330

Prerequisite(s) with concurrency: MIS 430

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.

Prerequisite(s): MIS 340 and MIS 430 and MIS 450

Prerequisite(s) with concurrency: MIS 431

MIS491 Independent Study

Hours 1-3

No description available

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MIS492 Internship

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public-sector organizations. The internship is administered through the C&BA Office of Student Services. Students may earn degree credit for only one internship (492).

MIS497 Special Topics

Hours 1-3

Special topics in MIS.

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.

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): 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): 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): MKT 300

MKT334 Impression Management Behavior Lab

Hours 1

The class teaches students how to effectively apply the persuasion and impression management theory so that they can effectively influence individuals and others.

Prerequisite(s): MKT 300

Prerequisite(s) with concurrency: MKT 300

MKT337 Personal Selling

Hours 0-3

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) 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): 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): 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): MKT 300

MKT385 Marketing Information Systems

Hours 3

Introduces students to the types of information systems used in marketing as well as develop the basic analytical skills necessary to use the output from such systems. The course has a decision-making focus and will survey the tools available for marketing decision making. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MATH 112 and MATH 121; or MATH 115 and MATH 125; or MATH 121; or MATH 125; or MATH 126; or MATH 131; and EC 110 and EC 111 and CS 102 and AC 210 and ST 260 or ST 250 and ST 251; and LGS 200

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): 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): 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

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): MKT 300

Prerequisite(s) with concurrency: MKT 337

MKT439 Key Account Management

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 Personal Selling

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): 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): MKT 300

Prerequisite(s) with concurrency: MKT 376

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, MKT 476

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

Prerequisite(s) with concurrency: MKT 473

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): MKT 300

MKT491 Independent Study

Hours 1-3

Students may earn degree credit for only one independent study course (491).

Prerequisite(s): MKT 300

MKT492 Internship

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations. The internship is administered through the C&BA Office of Student Services.

Prerequisite(s): MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; and CS 102 and LGS 200 and AC 210 or AC 201 and AC 202; and ST 260 or ST 250 and ST 251

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): MKT 300

OM300 Intro Operations Management

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.

Prerequisite(s): ST 260

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. Open only to OM majors or by permission of the instructor. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): Lower division C&BA requirements

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.

Prerequisite(s): OM 300 and OM 385 or 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.

Prerequisite(s): OM 300

OM375 Statistical Quality Control

Hours 3

Statistical methods useful in control of quality of manufactured products. Topics include Shewhart and cumulative sum control charts; process capability analysis; and acceptance sampling procedures by attributes and variables. Emphasis is on understanding, design, implementation, and interpretation of these techniques.

Prerequisite(s): 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

OM420 Computer Simulation

C

Hours 3

The use of simulation as a tool to understand and improve the performance of complex systems and processes. Students will learn the details of a specific simulation language. Applications to production processes and operational activities. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): OM 310

Computer Science

OM422 Production Scheduling Problems

Hours 3

A broad investigation into a variety of scheduling activities in a variety of environments. Topics include scheduling as applied to projects, job-shops, assembly lines, parallel machine systems, workforce, and transportation.

Prerequisite(s): OM 321

OM423 Inventory Management

Hours 3

Control techniques for the large multi-item inventories frequently associated with manufacturing supply and wholesale-retail operations. The limitations and usefulness of models in actual practice.

Prerequisite(s): OM 321

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): 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

OM487 Capstone Project Seminar

Hours 3

Course addresses the design, operation, and continuous improvement of business operations that deliver products and services. Students will work in teams on an operations oriented project with a local company. The student teams will provide periodic reports and presentations on their project work.

Prerequisite(s): OM 300 and instructor permission

OM492 Internship In Operations Management

Hours 1-3

Students are selected through a competitive process for assignments in approved business or public sector organizations.

OM497 Special Topics

Hours 1-3

No description available

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.

Prerequisite(s): MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; and CS 102 or CS 150 or CS 100 or CS 120 or MIS 120 or CS 104 or GES 131 or GES 145 or UA Computer Placement Test Score of 380; minimum grade of C- required in any qualifying prerequisite

Computer Science

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): 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): 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

No description available

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

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.

APR221 Intro To Advertising

Hours 3

A foundation course in advertising that includes historic and contemporary perspectives, advertising institutions and an overview of advertising theory, planning and practice. Key concepts and terminologies are also covered, complemented by interactions with advertising faculty and industry professionals.

Prerequisite(s):

APR230 Intro to Public Relations for Non Majors

Hours 3

Survey of public relations, including the development and contemporary status of the field, social and political perspectives, and an overview of the practice of public relations in business, government, associations, and other organizations. Infrequently offered.

APR231 Intro Public Relations

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.

APR260 Design Applications

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.

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, JN 150, 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, JN 150, and MC 101

APR280 Investigation and Insights

Hours 3

Focuses on the planning, execution and application of research during the strategic communication process. Introduction to sound and effective social scientific methods commonly used by advertising and public relations practitioners to analyze and segment audiences, inform strategic planning and message development, and evaluate strategic communication plans and campaigns. Also emphasizes effectively analyzing and presenting research findings, as well as to making insightful conclusions and recommendations based on those findings.

Prerequisite(s): APR 221 or 231, APR 260, JN 150 and MC 101

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. Students will create assignments in AD or PR lab sessions according to major or minor.

Prerequisite(s): JN 150, MC 101, APR 221 or APR 231, and APR 260

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): Admission to creative specialization; APR 221, APR 260, APR 270, APR 280, APR 300, APR 310, JN 150, and MC 101. Corequisite: APR 410.

Prerequisite(s) with concurrency: APR 410

APR310 Concepting

W

Hours 3

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.

Prerequisite(s): APR 221, APR 260, JN 150, and MC 101, and admission to creative specialization.

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, JN 150, 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 and must be demonstrated in order to pass this W-designated course.

Prerequisite(s): JN 150, MC 101, APR 221, APR 260, APR 270, APR 280, APR 300, APR 310, and admission to creative specialization.

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): Prerequisites: Admission to creative specialization; APR 221, APR 260, APR 270, APR 280, APR 300, APR 310, JN 150, and MC 101.

Prerequisite(s) with concurrency: APR 410

APR325 Digital and Social Media

Hours 3

Provides 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.

Prerequisite(s): Admission to consumer or creative specialization; APR 221, APR 260, JN 150, and MC 101.

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 and must be demonstrated to pass this "W-designated" course.

Prerequisite(s): JN 150, JN 311, MC 101, APR 231, APR 260, APR 271, APR 280, APR 300, and 20 hours in the major.

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; and APR 221 or APR 231; and APR 260; and APR 322 or APR 422 or APR 332; and JN 150 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 JN 150 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 JN 150 and JN 311 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): Admission to creative specialization; APR 221, APR 260, APR 270, APR 280, APR 300, APR 301, APR 310, APR 410, APR 323, JN 150, MC 101.

Prerequisite(s) with concurrency: APR 418

APR410 Portfolio I

Hours 3

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 221, APR 260, APR 270, APR 280, APR 300, APR 301, APR 310, JN 150, and MC 101, and admission to creative specialization.

APR411 Portfolio II

Hours 3

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 221, APR 260, APR 270, APR 280, APR 300, APR 310, APR 322 or APR 323, APR 410, JN 150, MC 101, and admission to creative specialization.

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 and must be demonstrated to pass this "W-designated" course.

Prerequisite(s): Permission of instructor; JN 150, JN 311, MC 101, APR 231, APR 260, APR 271, APR 280, APR 300, and APR 332.

Writing

APR418 Advertising Development

Hours 3

Theory and practice of idea development and portfolio building, with particular attention to the latest creative approaches being applied in advertising.

Prerequisite(s): MC 101 and APR 221 and APR 300 and APR 260 and APR 322 and EC 110; and 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 JN 150

APR419 Public Relations Concepting and Implementation

Hours 3

Offers public relations 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 231, APR 260, APR 271, APR 280, APR 300, APR 332, JN 150, JN 311, and MC 101.

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): JN 150, MC 101, APR 221, APR 260, APR 270, APR 280, and APR 320 or APR 325, with admission to Consumer specialization

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 221, APR 260, APR 270, APR 280, JN 150, and MC 101.

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): Prerequisites: Students must satisfy one of the following sets of prerequisites: a) for the consumer specialization in the advertising major: MC 101, JN 150, APR 260, APR 221, APR 270, APR 280, and APR 320 or APR 325; b) for the general advertising major: MC 101, JN 150, APR 260, APR 221, APR 270, APR 280, and APR 300; and c) for public relations students: MC 101, JN 150, APR 260, APR 231, APR 271, APR 280, JN 311, APR 300, and APR 332.

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): Prerequisites: Students must satisfy one of the following sets of prerequisites: a) for the consumer specialization in the advertising major: MC 101, JN 150, APR 260, APR 221, APR 270, APR 280, APR 421, APR 422, APR 423 and APR 320 or APR 325; b) for art directors in the creative specialization: MC 101, JN 150, APR 260, APR 221, APR 270, APR 280, APR 300, APR 310, APR 410, APR 323, APR 301, APR 411, and APR 401; c) for copywriters in the creative specialization: MC 101, JN 150, APR 260, APR 221, APR 270, APR 280, APR 300, APR 310, APR 410, APR 322, and APR 411; d) for the general advertising major: MC 101, JN 150, APR 260, APR 221, APR 270, APR 280, APR 300, APR 422, and APR 423

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 231, APR 260, APR 271, APR 280, JN 311, APR 332 and 20 hours in the major.

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 231, APR 260, APR 271, APR 280, JN 311, APR 332 and 24 hours in the major.

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): Permission of instructor; APR 231, APR 260, APR 271, APR 280, JN 311, APR 332 and 20 hours in the major.

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): MC 101, JN 150, APR 260, APR 231, APR 271, APR 280, JN 311, and APR 300.

APR429 Sport and Entertainment Marketing and Promotions

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): MC 101, JN 150, APR 260, APR 231, APR 271, APR 280, JN 311, and APR 300.

APR430 Tech and Digital Communication

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): MC 101, JN 150, APR 260, APR 231, APR 271, APR 280, JN 311, and APR 300.

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 and must be demonstrated in order to pass this W-designated 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 and APR 231 and APR 260 and APR 300 and APR 332 and JN 150 and JN 311 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): Prerequisites: Students must satisfy one of the following sets of prerequisites: a) for the general public relations major: MC 101, JN 150, APR 260, APR 231, APR 271, APR 280, JN 311, APR 300, APR 332; APR 428 or APR 429 or APR 430; and three of the following: APR 415, APR 419, APR 423, APR 425, APR 426 and APR 427; b) for a specialization in the public relations major: MC 101, JN 150, APR 260, APR 231, APR 271, APR 280, JN 311, APR 300, APR 332; APR 428 or APR 429 or APR 430; and one of the following: APR 415, APR 419, APR 423, APR 425, APR 426 and APR 427.

APR443 Political Advertising & Political Public Relations

Hours 3

Study of the role of political advertising and political public relations in contemporary American media. A consideration of proactive and reactive political advertising and public relations strategies.

Prerequisite(s): APR 420 and MC 101

APR480 Readings In APR

Hours 3

No description available

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

CIS201 Honors Information and Society

SB, UH

Hours 3

A survey of the impact of current information issues and digital media skills in students' personal and professional lives. This course provides an extensive overview of the intersection between information and society, particularly understanding issues related to human behavior and the usage of information. Framing information as central to all disciplines, this course is open to all Honors students regardless of major. Rather than focusing on a given methodology or skills development, the content of this course focuses on understanding the impact of information processing in our society and world through a cultural lens.

Social and Behavioral Sciences, University Honors

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. 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

COM155 Freshman Seminar

HU

Hours 3

No description available

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Humanities

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

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 areas of significance. Topics vary.

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 within this discipline is required.

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 within this discipline is required for a passing grade in this 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 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

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 within this discipline is required for a passing grade in this course.

Writing

COM342 Rhetoric Social Protest

W

Hours 3

Study of social protest discourse and how it functions rhetorically. Writing proficiency within this discipline is required for a passing grade in this 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.

COM395 Special Topics

Hours 3

Reading, research, and discussion in areas of significance. Topics vary.

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 a requirement for passing 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 within this discipline is required for a passing grade in this course.

Prerequisite(s): COM 100

Writing

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.

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

COM436 Independent Study

Hours 1-3

Those permitted to do independent study will be required to participate in an undergraduate research colloquium as necessary to completing the work for academic credit.

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): COM 350 COM 350

Writing

COM460 Group Leadership

Hours 3

No description available

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 a requirement for passing the course. W designation for university core curriculum.

Prerequisite(s): 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.

Prerequisite(s): COM 100 or COM 101

Writing

COM467 Seminar 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.

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.).

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 3,6

Reading, research, and discussion in areas of significance. Topics vary.

Prerequisite(s): COM 100 or COM 101

COM499 Capstone Seminar

Hours 3

Gives advanced students an opportunity to integrate and synthesize what they have learned in the communication studies major. Topics will vary.

Prerequisite(s): COM 100 and COM 310; or COM 101 and COM 300

JN101 Journalistic Principles and Practices

Hours 2

The role of journalism in a democratic society, emphasizing history, law and ethics. Students are introduced to career options and opportunities for journalism majors and minors. Students start a professional blog, which will be used as their work portfolio as they progress in the department. Required of all majors and minors in the department. This course is open only to JN majors and minors.

JN150 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 and word choice. This online course is required for journalism, advertising and public relations majors and minors.

JN200 Foundations of Journalism and Social Media

HU

Hours 3

Introduction to the traditional and emerging concepts and practices of journalism, including writing and design, uses of social media, news, values, history, law and ethics. Not required of JN majors and minors but can be an elective. This is a Core Humanities designated course.

Humanities

JN261 Visual Journalism

Hours 3

This course introduces students to visual concepts used in journalism. Emphasis on using digital still photography and digital videos to communicate information to audiences across media platforms.

Prerequisite(s): JN 101 or JN 200 or APR 221 or APR 231; and JN 150 and MC 101

JN311 News Writing and Reporting

W

Hours 3

Fundamentals of newsgathering and newswriting for news and public relations. This course is a prerequisite for all succeeding journalism and PR courses. Writing proficiency within this discipline is required for a passing grade in this W-designated course.

Prerequisite(s): MC 101 and JN 150 and one of the following: (JN 101 or JN 200 or APR 231)

Writing

JN312 Editing and Digital Production

W

Hours 3

Preparing news content for publication across media platforms, with an emphasis on clarity, meaning and accuracy in writing and presentation. The course's labs are held within a working professional newsroom. Writing proficiency is required for a passing grade in this W designed course.

Prerequisite(s): JN 261 and JN 311

Writing

JN315 Advanced News Writing & Reporting

W

Hours 3

Advanced practice of newsgathering and newswriting for specialized topic areas, ranging from hard news stories on topics such as government, education, and the environment to soft news, human interest, and feature stories. Writing proficiency is required for a passing grade in this W-designated course.

Prerequisite(s): JN 311

Writing

JN318 Sports Writing & Reporting

Hours 3

Newsgathering and newswriting for sports journalism. Students cover a beat and write both hard news stories (game stories, breaking news) and soft news (human interest and features) about their areas.

Prerequisite(s): JN 311

JN320 Intermediate Journalism Design

Hours 3

Survey and application of techniques and practices in presenting information visually, including infographics, photojournalism, and design and layout of publications and websites.

Prerequisite(s): JN 261 and JN 311

JN325 Reporting Writing Across Media

Hours 3

Emphasizes process of conceptualizing and executing news and feature content in text, audio and video for multiple media platforms, including print, online, broadcast, mobile and social media.

Prerequisite(s): JN 261 and JN 311

JN361 Intermediate Photojournalism

Hours 3

Further instruction in the tools, concepts and practice of using digital still photography and video to communicate information to audiences. Emphasis on storytelling, technical proficiency and specialized techniques.

Prerequisite(s): JN 261 and JN 311

JN380 Independent Study

Hours 1-3

Analysis of current issues and practices in journalism under the supervision of a faculty member. May be repeated for credit provided the topics are different.

Prerequisite(s): JN 311

JN382 Internship

Hours 1-6

Variable credit (1 to 6 hours). Students may take up to 6 hours of internship credit toward their degree. For each credit, students work at least 60 hours under the supervision of a media professional. Students complete a journal and portfolio for evaluation.

Prerequisite(s): JN 311 and 45 completed hours

JN411 Depth Reporting & 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 W-designated course.

Prerequisite(s): JN 315 or JN 318

Writing

JN412 Opinion Writing

W

Hours 3

The art and practice of writing editorials, reviews, columns and other persuasive forms for print and online. Writing proficiency is required for a passing grade in this W-designated course.

Prerequisite(s): JN 315 or JN 318

Writing

JN415 Advanced Magazine Writing

W

Hours 3

Writing and editing of long-form articles for publication in print and online depth magazines. Students learn advanced narrative non-fiction writing techniques and how to gather information for longer feature stories. Writing proficiency within this discipline is required for a passing grade in this W-designated course.

Prerequisite(s): JN 315 or JN 318

Writing

JN417 Digital Community Journalism

Hours 3

Students produce original articles, photography and multimedia stories for Dateline Alabama, a student-led news site, and other digital outlets. Students hone professional skills and complete a digital portfolio.

Prerequisite(s): JN 312 or JN 315 or JN 318

JN418 Advanced Sports Writing & Reporting

Hours 3

Advanced techniques in reporting and writing for sports media. Students analyze published work and compose stories for digital and print sport media outlets.

Prerequisite(s): JN 315 or JN 318

JN419 Food Writing & 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): JN 315 and JN 318

JN426 Advanced Journalism Design

Hours 3

Application of graphic design techniques to both print and digital publications. Theory and practice of creating and executing layouts and design.

Prerequisite(s): JN 312 and JN 320

JN430 Digital Media Workshop

Hours 3

Explores and applies media convergence principles and techniques in producing online content. Course emphasizes writing, editing, shooting photos and video and designing for the web and other digital delivery forms. Students produce special digital projects on themed topics.

Prerequisite(s): JN 315 or JN 318 or JN 320 or JN 325 or JN 361

JN436 Teaching Of Journalism

Hours 3

Introduction to the techniques and practices of teaching scholastic journalism and management of school print, online and broadcast media. Designed for students who wish to teach and advise K-12 newspapers, yearbooks, literary magazines, web sites or radio and television programs.

JN461 Advanced Photojournalism

Hours 3

This capstone photo class is for students interested in a career in photojournalism. Advanced techniques, deadline pressure and problem solving are addressed, with emphasis on producing a professional portfolio of digital still photography and video.

Prerequisite(s): JN 361

JN491 Special Topics in Journalism

Hours 3

Course content varies to explore current topics in journalism. Repeatable for up to 6 credits if the topics are different.

Prerequisite(s): JN 261 and JN 311

JN492 International Media Production

Hours 3

Capstone course in print and online magazine reporting, writing, photographing and designing in an international setting. Students take on leadership roles associated with producing a magazine and its accompanying website. Departmental approval required.

Prerequisite(s): JN 312 and one of the following: JN 315 or JN 318 or JN 320 or JN 361

JN496 Issues, Practices and Ethics in Sports Journalism

Hours 3

This course examines current issues and ethical practices in the field of sports journalism. We'll analyze current events through the prism of applied ethics. Prominent sportswriters discuss ethical dilemmas they have faced with students.

Prerequisite(s): Senior standing; JN 315; Pre or Co-Requisite MC 401

Prerequisite(s) with concurrency: MC 401

JN499 Journ Issues and Ethics

Hours 3

Examination of current issues and ethical practices in the field of journalism. Students complete a major research project on issues and ethics.

Prerequisite(s): Senior Standing

Prerequisite(s) with concurrency: MC 401

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

MC103 Fundamentl Informatn Literacy

Hours 3

Information literacy is crucial to being successful in the Information Age. Individuals need to be able to locate, evaluate, and use information effectively and efficiently. Information ethical issues are also important.

MC401 Mass Comm Law & Regultn

Hours 3

Study of laws and regulations affecting the mass media and the fields of mass communication. May be taken for graduate credit.

Prerequisite(s): MC 101

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 in this discipline is required for passing this W-designated 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 in this discipline is required for passing this W-designated 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 in this discipline is a requirement for passing this W-designated 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 in this discipline is required and must be demonstrated in order to pass this W-designated 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

MC495 Special Topics

Hours 3

Special topics in mass communication theory and research. May be taken for graduate credit.

Prerequisite(s): MC 101

TCF100 Intro To Telecommunication

Hours 3

Explores film, television, news, and new media with a focus on story, and examines how each of these mediums function at both the level of individual and the level of global society.

TCF101 Fundamentals in Media Technology

Hours 3

This introductory course is a required basic overview of video production specifically designed for students in media production and electronic news or sports. This course emphasizes modes of video storytelling through technical skill development of cameras and sound recording equipment. TCF 101 is a combination of lectures, hands-on exercises, and assignments. Successful completion of this course requires a written and hands-on technical proficiency examination with a C- or better. Students may only take this course twice.

Prerequisite(s): TCF 100

TCF112 Motion Pict Hy Criticism*FA, HU*

Hours 3

Development of the cinema, with emphasis on relation of technical advances to film content and style.

Fine Arts, Humanities

TCF145 Media Production

Hours 3

Through lectures and hands-on projects, students will learn the equipment and techniques used in media production and editing. Open to non-majors, TCF Management majors, and TCF Critical Studies majors. NOT open to TCF Media Production or TCF Documentary majors.

TCF201 Intro to Video Production

Hours 3

Introduces students to theories and techniques of video production and post-production. Topics include script formatting, camera technique, lighting, sound, and editing. In this hands-on course, students will produce short video projects that emphasize technical proficiency and visual storytelling.

Prerequisite(s): TCF 100 or TCF 112

TCF215 Writing Presentn Telecom

Hours 3

Study of and practice in techniques and skills used in writing and presenting scripts, copy, and professional reports as required by telecommunication media.

Prerequisite(s): TCF 100

TCF241 The Documentary Form

Hours 3

The documentary as an informative and persuasive means of communication. Analysis and discussion of selected documentaries.

Prerequisite(s): TCF 100

TCF286 Intro to 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, and serves as the foundation class for the TCF Reporting sequence.

Prerequisite(s): TCF 100 (all TCF prerequisites require C- or better)

TCF287 Symposium

Hours 1

Visiting professionals series on various topics.

TCF288 News Shadowing Intern

Hours 1

Provides students with an opportunity to follow media professionals on the job and discover career requirements before beginning the news sequence.

Prerequisite(s): TCF 100 C- or better

TCF301 Intro to Audio Production

Hours 3

This course examines sound recording and audio post-production. Students will learn the basics of microphone properties, microphone placement, recording techniques, editing, and sound design.

Prerequisite(s): TCF 100 OR TCF 112 and TCF 201

TCF305 Telecom Audience Analys

Hours 3

Study of methods used in gathering information about telecommunication audiences. Analysis, interpretation, and application of information to decision making in electronic media.

Prerequisite(s): TCF 100

TCF310 Telecommunication Programming

W

Hours 3

Program planning, development, and strategies for radio and television stations, networks, cable systems, and syndication. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): TCF 100

Writing

TCF311 Critical Stdy Television

Hours 3

Critical analysis of television programs and commercials. Examples are presented for study and evaluation.

Prerequisite(s): TCF 100

TCF312 Advanced Videography

Hours 3

In this hands-on intensive production workshop, students will develop their creative vision, aesthetic eye, and technical skill to help materialize their ideas on screen. Topics include digital video cameras, framing, composition, camera movement, and lighting techniques.

Prerequisite(s): TCF 201

TCF315 Scriptwriting

Hours 3

Introduction to writing scripts for television and film. Emphasis includes both the creative and technical aspects.

Prerequisite(s): TCF 100 or 112 and TCF 201

TCF321 Announc Perform For Rtv

Hours 3

Practical approach to techniques and practices necessary for effective appearances on electronic media. Emphasizes copy interpretation, interview skills, and studio performance for microphone and camera.

Prerequisite(s): TCF 100

TCF322 Multicamera Productions

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.

Prerequisite(s): TCF 100 or TCF 112, and TCF 201 or TCF 286.

TCF331 Intro to Reporting

Hours 3

Introduction to the preparation and presentation of news, sports, and entertainment for the electronic media.

Prerequisite(s): TCF 100

TCF332 Intermediate Electronic Reporting

W

Hours 3

Elements of news reporting for the electronic media, with focus on radio writing, reporting, and performance. Writing proficiency is required for a passing grade in this W-designated course.

Prerequisite(s): TCF 288 and TCF 331

Writing

TCF333 Advanced Electronic Reporting

Hours 3

Advanced examination, preparation, and presentation of news for the electronic media. Activities include writing, electronic news gathering, reporting, and anchoring.

Prerequisite(s): TCF 100 and TCF 332

TCF334 Electronic News Capstone/Portfolio

Hours 3

Practical application of electronic news reporting and anchoring with an emphasis on preparing a career portfolio.

Prerequisite(s): TCF 100 and TCF 332 and TCF 333

TCF335 New Media

Hours 3

Preparation and presentation of news and sports for new media outlets, including internet formats.

Prerequisite(s): TCF 100 and TCF 286 and TCF 332 or TCF 321 and TCF 288 and TCF 334

TCF336 Ethics in Electronic News

W

Hours 3

Survey of ethical concerns in electronic media with an emphasis on news. Students will learn terms related to ethical issues, evaluate the impact of terms and words on cultural groups, develop their own ethical "base," and consider how they might act ethically within the constraints of their professional work.

Prerequisite(s): TCF 100 C- or better

Writing

TCF340 International Cinema

Hours 3

Study of motion pictures produced throughout the world. Subjects may change each time course is offered. Writing proficiency is required for a passing grade in this course.

Prerequisite(s): TCF 112

TCF351 Commercial Production

Hours 3

This course offers students the opportunity to combine their knowledge and skills in creating and producing broadcast commercials. Students will be involved in all stages of the process from research and development of scripts to production and postproduction of finished commercials and final presentation of the finished product.

Prerequisite(s): TCF 201

TCF357 Production Management

Hours 3

Study of and practice in techniques and skills used in organizing location shoots for television, film, documentaries, and commercials.

Prerequisite(s): TCF 100 or TCF 112

TCF361 Intro to Post Production

Hours 3

In this project-driven course, students will learn and practice non-linear video editing principles and techniques, media management, sound design, and digital theory.

Prerequisite(s): TCF 100 or TCF 112

TCF367 Advanced Prod. Management

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): TCF 100 and TCF 357

TCF380 Independent Study

Hours 1-3

Investigative studies in telecommunication and film. May be repeated.

TCF381 Tcf Practicum

Hours 1-3

No description available

TCF387 Tcf Internship

Hours 1-3

Supervised field experience in approved operations in the telecommunication and film industries. No more than 3 hours credit for TCF 387 may be applied toward a degree.

Prerequisite(s): TCF 100 or TCF 112

TCF389 Telecom Applied Topics

Hours 3

This is a special topics class which has different topics for each class.

Prerequisite(s): TCF 100

TCF390 Electronic Media Sales

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): TCF 100

TCF398 Production Crew

Hours 1-3

No description available

Prerequisite(s): TCF 201

TCF411 Seminar in Critical Studies

Hours 3

Advanced study of selected topics in television or film criticism.

Prerequisite(s): 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

TCF412 Screen Directing

Hours 3

Advanced 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): TCF 100 or TCF 112 and TCF 201 and TCF 361 and TCF 312

TCF420 Telecommuncatn Effects

Hours 3

Study of individual and social effects of electronic mass media, with emphasis on research results.

TCF425 TCF in LA Part 1: Industry Tour & Seminar

Hours 3

Focused on professional development of aspiring filmmakers, particularly those wishing to build a career in a creative media industry in a large city. Students learn about film, television and media industries and network with TCF alums who now work in Los Angeles. Students must sign up for both TCF 425 and TCF 426. Offered Summer only.

Prerequisite(s): TCF 100; Enrollment by application only. Permission of Instructor required.

TCF426 TCF in LA Part 2: The Industry Experience

Hours 3

Students learn about film, television and media industries as the second part of their LA experience. Students must sign up for both TCF 425 and TCF 426 in the same summer. Offered Summer only.

Prerequisite(s): TCF 100; Enrollment by application only. Permission of instructor is required.

TCF433 Broadcast News Analysis

W

Hours 3

Historical and critical study of electronic-media news in the United States. Writing proficiency is required for a passing grade in this W-designated course.

Writing

TCF434 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.

TCF435 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. Second semester of course.

Prerequisite(s): TCF 434

TCF436 International Electronic Media

W

Hours 3

Surveys of international electronic media systems. The course will look at variables that shape the systems including government structure, laws, geography, history, economic support, technology, and audience needs and demands.

Prerequisite(s): TCF 100

Writing

TCF437 Specializations in Production Management

Hours 3

Examines the special requirements needed for production managers in areas outside of the standard television or film production. Topics include animation, gaming and documentaries.

Prerequisite(s): TCF 367

TCF438 Producing

Hours 3

Examines the economic structures and business practices used by the entertainment industry. This includes development contract law, financing, distribution, pitching and negotiating with Guilds & Unions.

Prerequisite(s): TCF 437

TCF440 Sem In American Cinema

W

Hours 3

Study of selected topics in United States film. Writing proficiency is required for a passing grade in this W-designated course.

Prerequisite(s): TCF 112 or permission of instructor.

Writing

TCF441 Documentary Production

Hours 3

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): TCF 201 and TCF 361 or TCF 351 or TCF 312 or TCF 301;

TCF442 Advanced Video Projects

Hours 3

The application of advanced production skills, including directing, videography, editing, and production management, in the production of a polished, short-subject film on digital video. Students work in groups over the course of the semester, shepherding film project from preproduction to exhibition.

TCF444 Sem Telecomm/Film Topics

Hours 3

Analysis of contemporary issues in the broadcasting, cable, and/or motion picture industries, including social aspects. Topics vary with instructor. May be repeated 3 times (9 hours credit) with different topics.

Prerequisite(s): TCF 100 C- or better

TCF445 Telecommunicatn Media Mgt

Hours 3

Study of broadcast station and network organization, cable systems, decision-making processes, and research techniques.

TCF446 Anatomy of a Crime

Hours 3

Anatomy of a Trial is a year-long specialized interdisciplinary service-learning course in narrative nonfiction. Focusing on a single story of an injustice in the state of Alabama, the class collaborates to use film, audio and other mediums to create a media-rich web-based narrative telling our chosen story in its broader social and historical context.

TCF448 Telecommun Policy & Law

Hours 3

Organizational structures and processes that formulate and apply laws and regulations shaping broadcast, cable, satellite, and new electronic media operations. Analysis of national policies and standards and their relationship to regional and international controls and practices.

TCF451 Advanced Television Production

Hours 3

Students will receive instruction and practical experience in the development of programming for television, including research, planning and budgeting for series productions. Students will produce small and large group projects for broadcast and follow the projects from concept through the completion.

Prerequisite(s): TCF 201 and TCF 361 or TCF 351 or TCF 312 or TCF 301;

TCF461 Advanced Post Production

Hours 3

Further instruction in nonlinear editing with emphasis on special effects, motion graphics, and advanced editing techniques.

Prerequisite(s): TCF 201 and TCF 361 or TCF 351 or TCF 312 or TCF 301;

TCF490 Capstone Prod. Projects I

Hours 3

Students will begin development on a production project from first draft to a shooting ready production binder.

College of Education Courses

AHE250 The American University

Hours 3

This course is designed to increase understanding of how universities operate as social organizations. Students will explore the main issues, roles, constituencies, and functions of the modern American university.

AHE450 Res Asst Leadership Devlp

Hours 2

Res Asst Leadership Devlp.

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

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.

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.

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

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

BEP410 Academic Mentoring

Hours 1-6

Introduction to academic mentoring is a service learning and leadership course. Students mentor K-12 school students in academic subjects. Class readings and discussions support the mentoring relationship by focusing on learning, motivation, metacognition, listening, personality, and the social contexts of schooling.

BER345 Educational Statistics

Hours 3

Statistical methods in education; graphs, charts, frequency distributions, central tendencies, dispersion, correlation, sampling errors, estimation, and hypothesis testing.

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.

Prerequisite(s): CS 102 or CAT 100 or CS 102 Placement Test (PLCS) with a minimum score of 380.

Computer Science

CAT250 Computer Educ Curric Devel*C*

Hours 3

Utilizing computer technology and computer applications in instruction.

Prerequisite(s): CAT 200

Computer Science

CEE304 Teach Elem School Scienc

Hours 3

Teaching experiences related to K-6 children's learning of science, with emphasis on teaching strategies that use inquiry approaches. Admission to Teacher Education Program is required.

Prerequisite(s): Admission to Teacher Education Program

Prerequisite(s) with concurrency: CEE 366 and CEE 401 and CEE 478 and CEE 496 and BER 450

CEE320 Survey Elementary Educatn

Hours 3

Surveys elementary education as a professional career. Students become acquainted with factors affecting successful teaching in the elementary school.

CEE365 Literature For Children

Hours 3

Selection and teaching of literature for elementary school children at various developmental levels, according to interests, needs, and abilities. Intensive field experience. Admission to Teacher Education Program is required.

Prerequisite(s): Admission to Teacher Education Program

Prerequisite(s) with concurrency: CEE 370 and CEE 380 and CEE 401 and CEE 495 and KIN 364

CEE366 Teaching Social Sciences

Hours 3

The nature of elementary school 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): Admission to Teacher Education Program

Prerequisite(s) with concurrency: CEE 304 and CEE 401 and CEE 478 and 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 within this discipline is required for a passing grade in this course. Admission to Teacher Education Program is required.

Prerequisite(s): Admission to Teacher Education Program

Prerequisite(s) with concurrency: CEE 365 and CEE 380 and CEE 401 and CEE 495 and KIN 364

Writing

CEE380 Teaching Elem Math

Hours 3

Teaching experiences related to children's developmental learning of elementary 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): Admission to Teacher Education Program

Prerequisite(s) with concurrency: CEE 365 and CEE 370 and CEE 401 and CEE 495 and KIN 364

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 Teach Lang Arts In Elem School

W

Hours 3

Deepening understanding of the materials and methods for teaching of language arts with emphasis on planning and implementing a writing program. Intensive field experience. Writing proficiency within this discipline is required for a passing grade in this course. Admission to Teacher Education Program is required.

Prerequisite(s): Admission to Teacher Education Program

Prerequisite(s) with concurrency: CEE 304 and CEE 366 and CEE 401 and 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

CEE495 Practicum

Hours 3

Open only to students in professional semester II of the elementary education program. This course offers students significant clinical experience and opportunities to plan and teach lessons. Admission to Teacher Education Program is required.

Prerequisite(s): Admission to Teacher Education Program

Prerequisite(s) with concurrency: CEE 365 and CEE 370 and CEE 380 and CEE 401 and KIN 364

CEE496 Senior Practicum

Hours 3

A field-based course providing opportunities to practice authentic classroom application of various subject areas in elementary education. Admission to Teacher Education Program is required.

Prerequisite(s): Admission to Teacher Education Program

Prerequisite(s) with concurrency: CEE 304 and CEE 366 and CEE 401 and CEE 478 and BER 450

CEE497 Internship Elem School

Hours 4.5-7.5

Observation, participation, and teaching experiences supervised by selected cooperating teachers in public elementary schools. Additional supervision is provided by College of Education personnel. Offered 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 Experiences. Formal application meetings are held and their times will be posted in Graves Hall and announced in the Crimson White prior to the meetings. Admission to Teacher Education Program is required.

Prerequisite(s): Admission to Teacher Education Program

Prerequisite(s) with concurrency: CEE 401

CIE480 Meth Teach Foreign Langs

W

Hours 3

Theories, methods, techniques, and essential media for teaching foreign languages effectively. Writing proficiency within this discipline is required for a passing grade in this course. Admission to Teacher Education Program is required.

Prerequisite(s) with concurrency: 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

CRD369 Fundmntl Readng Instruction

Hours 3

Introduction to literacy development, instruction, and assessment for elementary school children. Foundational concepts of literacy instruction and best-practice are covered. A field component is required.

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 within this discipline is required for a passing grade in this 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 and ST 260 CS 102 or CSE 390

Prerequisite(s) with concurrency: MATH 403

Computer Science

CSE406 Curriculm Secondary Math

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. Offered spring semester only. Admission to Teacher Education Program is required.

Prerequisite(s): C- or better in CSE 401 Admission to Teacher Education Program

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 appropriate technologies for the secondary science curriculum. Technologies will include CD-ROM and Internet-based simulations and databases, Web pages and other Internet resources, multimedia presentations, and calculator-based laboratories.

Prerequisite(s): CS 102 OR CSE 390

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.

Prerequisite(s): BER 450 and CRD 412 and CSE 489 and CS 102 or CSE 390

Prerequisite(s) with concurrency:

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 within this discipline is required for a passing grade in this course. Admission to Teacher Education Program is required.

Prerequisite(s) with concurrency: CSE 489

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 within this discipline is required for a passing grade in this course. Admission to Teacher Education Program is required.

Prerequisite(s): CSE 406

Prerequisite(s) with concurrency: CSE 489

Writing

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 within this discipline is required for a passing grade in this course. Admission to Teacher Education Program is required.

Prerequisite(s) with concurrency: 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. Admission to Teacher Education Program is required.

Prerequisite(s): BER 450 and CRD 412 and CSE 489 and CS 102 or CSE 390

Prerequisite(s) with concurrency:

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): CS 102 OR CSE 390 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 Sec School Teaching

Hours 3-12

Observation and teaching of the major subject in the secondary school.

Prerequisite(s): Admission to Teacher Education Program

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.

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.

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.

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 Adapted 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.

KIN120 Aerobics

Hours 1

This course makes available three different types of aerobics: dance, water, and spinning. Each section is designed to enhance cardiorespiratory fitness through the medium of aerobic dance, aquatic activity, or cycling. The aerobic activity should be selected by section number.

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.

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.

KIN305 Dance & Gymnastics

Hours 2

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.

KIN306 Analysis Teaching Movement I

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 2

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 2

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 1

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.

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. This course must be taken in conjunction with 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. This course must be taken in conjunction with 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.

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

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) 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.

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.

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.

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.

KIN420 Issues in Athletics Coaching

Hours 3

This course is designed to examine current issues, controversies, trends, and problems in the field of coaching.

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 within this discipline is required for a passing grade in this 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.

Prerequisite(s): Admission to Teacher Education Program

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 within this discipline is required for a passing grade in this course.

Writing

KIN492 Physiology of Exercise

Hours 3

This course examines the human physiological response to exercise.

Prerequisite(s): BSC 215 or BSC 216

KIN493 Fit Apprsl Exer Prescrip

Hours 3

A study of the application of exercise testing and prescription principles to apparently healthy and diseased populations. Successful leadership, programming, and management principles for fitness settings will also be examined.

Prerequisite(s): KIN 492

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.

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.

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): 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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this 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. Students with previous musical training may elect to demonstrate equivalent skills through testing.

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.

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 Tchg Music Elementary Schools

Hours 3

Music curriculum in elementary schools and methods and techniques of teaching music in various grades are covered.

Prerequisite(s): MUE 107

MUE387 Elem School Music Program

W

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

Writing

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.

MUE486 Marching Band Techniques

Hours 2

Fundamentals of marching, maneuvering, and preparation and presentation of formations.

MUE497 Internship Music Educ

Hours 3-18

Full time supervised teaching experience in the area of specialization (instrumental or vocal).

Prerequisite(s): Undergraduate level MUA 499 and Undergraduate level MUA 299 with minimum grades of P. Undergraduate level 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.

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 within this discipline is required for a passing grade in this 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.

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.

SPE371 Practicum in Early Intervention

Hours 1

Course will serve as a field experience with placements to compliment a general education PreK-3rd grade preparatory sequence during fall Junior terms. Contact hours will approximate 100 per semester contingent on assignments. Placements require registration and placement through Office of Field Experiences.

Prerequisite(s): SPE 304

Prerequisite(s) with concurrency: SPE 477

SPE372 Practicum II in Early Intervention

Hours 1

Course will serve as a field experience with placements to compliment special education (Birth-8 years) preparatory sequence spring Junior terms. Contact hours will approximate 100 per semester contingent on assignments. Placements require registration and placement through Office of Field Experiences.

Prerequisite(s): SPE 304

Prerequisite(s) with concurrency: SPE 478

SPE374 Parenting Children

W

Hours 3

Explores the role of families in the educational process and how professionals work with families. Writing proficiency within this discipline is required for a passing grade in this course. Offered fall semester.

Writing

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).

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.

SPE473 Practicum III in Early Intervention

Hours 1

Course will serve as a field experience with placements to compliment special education (birth-8 years) preparatory sequence fall Senior terms. Contact hours will approximate 100 per semester contingent on assignments. Placements require registration and placement through Office of Field Experiences.

Prerequisite(s): SPE 476 SPE 478

Prerequisite(s) with concurrency: SPE 416 and SPE 435

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 and 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 125 or PH 105 and ENGR 151 or ENGR 103

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 and AEM 250

AEM349 Engineering Analysis

C

Hours 4

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

Computer Science

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 Dynamics & Control I

Hours 4

Fundamentals of airplane aerodynamics and performance, static trim, 6-DOF equations of motion, and flight dynamics, stability and control.

Prerequisite(s): AEM 249, AEM 264, MATH 237, MATH 238

AEM402 Integrated Aerospace Design I

Hours 3

Preliminary design techniques for an aerospace system.

Prerequisite(s): AEM 313 and AEM 341 and AEM 368 and AEM 413

Prerequisite(s) with concurrency: AEM 408

AEM404 Integrated Aerospace Design II

Hours 3

Preliminary and 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 (turboshaft, 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

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.

Prerequisite(s): AEM 311 and AEM 349 and MATH 238

Computer Science

AEM428 Space Propulsion

Hours 3

This course introduces the student to descriptions and analyses of space and launch-vehicle propulsion. Topics covered include advanced schemes such as nuclear, solar and laser propulsion; power cycles; and tether systems.

Prerequisite(s): AEM 408

Prerequisite(s) with concurrency: AEM 408

AEM446 Intermediate Solid Mechanics

Hours 3

Introduction to 2-D plane elasticity, thick walled cylinders and spinning disks, bending and shear center of unsymmetric cross-sections, curved beams, beams on elastic foundations, torsion of non-circular cross-sections, thick-walled pressure vessels, and an introduction to the strain-life theory of metal fatigue.

Prerequisite(s): AEM 250 or consent of instructor

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): GES 255

AEM451 Structural Design & Testing

W

Hours 4

Design of tension, compression bending, torsion, and stiffened panel members; experimental and analytical investigations involving static and dynamic structural behavior. Writing proficiency is required for a passing grade in this course.

Prerequisite(s): AEM 341

Writing

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.

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

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.

Prerequisite(s): MATH 227 or MATH 247, AEM 341 and AEM 349

Computer Science

AEM468 Flight Dynamics & Control II

C

Hours 4

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

Prerequisite(s): AEM 368

Computer Science

AEM469 Orbital Mechanics

Hours 3

Introduction to engineering application of celestial mechanics; high-speed, high-altitude aerodynamics; and other fields related to the contemporary problems of space vehicles. Fundamentals of applied dynamics, nomenclature of space flight, space environment and solar system, and two-body orbits. Kepler's laws, coordinate transformations, and related studies.

Prerequisite(s): MATH 238 and AEM 264

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

AEM471 Fundamentals Of Acoustics

Hours 3

Fundamental physical principles underlying wave propagation and resonance in mechanical systems. Introduces applications and provides experience in acoustic and audio measurements and the associated instrumentation.

Prerequisite(s): MATH 238 and PH 106 and ECE 320

AEM474 Structural Dynamics

Hours 3

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

Prerequisite(s): AEM 250 and AEM 264 and MATH 237 and MATH 238

AEM475 Fundamentals of Aeroelasticity

Hours 3

Aeroelasticity deals with interactions between aerodynamic loads and elastic static and/or dynamic deformations, as well as the influence of the interactions on aircraft performance. The performance of interest may include stability of structures immersed in an airflow (e.g., divergence, buffeting, and flutter), rejection of external disturbances (e.g., gust alleviation), and controllability of flight vehicle trajectory (attitude or motion). Structural mass and stiffness are often tailored to change the aerodynamic load distributions on lifting surfaces. Aeroelasticity is not just fluid mechanics or solid mechanics. Its major emphasis is the fluid-structure interaction. This course focuses on understanding the phenomenology of aerodynamic and structural interactions, instead of the complicated modeling processes. The material is relatively self-contained as we will introduce concepts such as mass and stiffness matrices, shear centers, aerodynamic coefficients, and aerodynamic centers, and then build on these concepts. The students will have access to some simple models, which may become complicated when the fluid-structure interaction is considered. With the study in the class, the students will be able to analyze fundamental aeroelastic phenomena and solve the problem by using a numerical tool. Students should learn the concept of aeroelastic tailoring and structural designs with aeroelastic constraints.

Prerequisite(s): AEM 313 and AEM 474 or consent of instructor

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.

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 3

Assigned problems are explored on an individual basis. Credit is based on the amount of work undertaken.

AEM495 Senior Seminar

W

Hours 2

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 within this discipline is required for a passing grade in this course.

Prerequisite(s) with concurrency: AEM 402

Writing

CE121 Intro Civil Constrctn Envir Eg

Hours 1

Introduce the student to the areas of professional, civil and environmental engineering practices with exposure to faculty members specializing in each area, solving typical problems in each professional area, learning of the activities of service organizations, and the responsibilities of professional practice.

CE220 Society Infrastruct & Environm

SB

Hours 3

Permitting, environmental impact statements and other environmental issues associated with human activities and engineering projects.

Social and Behavioral Sciences

CE260 Civil & Construction Surveying

Hours 0-2

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 0-3

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 Climate Changes: European Alps*N*

Hours 4

The course focuses on hydrology, climate, dendrohydrology (tree rings) and glaciers. The classroom lectures and in-class labs include 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.

Natural Science

CE271 Glaciology*N*

Hours 4

Glacier basics, physical properties, mass and energy balance, climate change impacts, streamflow impacts.

Natural Science

CE320 Intro Environmental Engineering

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 0-3

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.

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

Prerequisite(s): Dynamics (AEM 264) and Fluid Mechanics (AEM 311); or Fluid Flow Operations (CHE 304)

CE401 Capstone Design: Site Development*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 within the discipline and computing proficiency are required for a passing grade in this course.

Prerequisite(s): Student must satisfy one of the following sets of prerequisite(s): a) CE 320 with a minimum grade of C- And CE 350 with a minimum grade of C- And CE 378 with a minimum grade of C- And Six (6) credit hours of 400- or 500- level CE courses with a minimum grade of C- And Two (2) of the following (may be taken concurrently): CE 424 or CE 524, CE 425 or CE 525, CE 427 or CE 527, CE 442 or CE 542, CE 451 or CE 551, CE 457 or CE 557, CE 459 or CE 559, CE 475 or CE 575, CE 485 or CE 585. b) CE 340 with a minimum grade of C- And CE 366 with a minimum grade of C- And CE 320 or CE 350 or CE 378 with a minimum grade of C- And Six (6) credit hours of 400- or 500- level CE courses with a minimum grade of C- And Two (2) of the following (may be taken concurrently): CE 442 or CE 542, CE 457 or CE 557, CE 459 or CE 559, CE 461 or CE 561, CE 485 or CE 585. c) CE 320 with a minimum grade of C- And CE 340 with a minimum grade of C- And CE 378 with a minimum grade of C- And Six (6) credit hours of 400- or 500- level CE courses with a minimum grade of C- And Two (2) of the following (may be taken concurrently): CE 424 or CE 524, CE 425 or CE 525, CE 427 or CE 527, CE 442 or CE 542, CE 485 or CE 585.

Computer Science, Writing

CE403 Capstone Design: Building Systems

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 within the discipline and computing proficiency are required for a passing grade in this course.

Prerequisite(s): Student must satisfy the following set of prerequisites: CE 331 with a minimum grade of C- And CE 340 with a minimum grade of C- And CE 366 with a minimum grade of C- And Six (6) credit hours of 400- or 500- level CE courses with a minimum grade of C- And Two (2) of the following (may be taken concurrently): CE 433, CE 434, CE 436 or CE 536, CE 437 or CE 537, CE 438 or CE 538, CE 439 or CE 539, CE 444 or CE 544, CE 462 or CE 562.

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 design 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

CE427 Storm Water Management

Hours 3

Quality and quantity of urban storm water. Receiving water problems and sources of pollutants. Runoff quality and quantity characteristics, Selection and design of controls; regulations.

Prerequisite(s): CE 378 and CE 475

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

CE437 Reinforced Concrete Struct II

Hours 3

Design of reinforced concrete building components including two-way slabs, slender columns, prestressed beams, slab-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 Containment 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

CE460 Front End Planning

Hours 3

Principles and applications for effective, early planning of capital facilities including: finance, economics decision-making, risk management, team alignment and front end planning processes and tools.

Prerequisite(s): CE 366

CE461 Horizontal 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

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): CE 366, GES 255 and 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

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

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.

Prerequisite(s): AEM 250

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)

CE484 Exp. Design & Field Sampling

Hours 3

Experimental design, sensitivity analyses, water sampling and flow monitoring. Receiving water chemical reactions. Field investigations.

Prerequisite(s): CE 320 and GES 255

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 Problems

Hours 1-3

Credit is based on the amount of work undertaken. Analysis and/or design in any phase of civil engineering. The course is intended to take care of needs not covered by regularly offered courses.

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.

CHE225 Chemical & Biological Engineering 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

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; and CHE 125 or AEM 121 or AEM 131 or CE 121 or ECE 121 or ENGR 111 or ENGR 131 or ME 121 or MTE 121 or MTE 155 or EE 121 or CS 121

CHE255 Chemical Engineering Thermodynamics*C*

Hours 4

Chemical calculations using the first and second laws of thermodynamics, including chemical and phase equilibria, multiphase reacting systems, steady-state and non-steady-state material and energy balances. Computer proficiency is required for a passing grade in this course. Offered fall and spring.

Prerequisite(s): ENGR 103, CHE 254 and MATH 126 or MATH 146

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

Prerequisite(s) with concurrency: CHE 254

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

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 within this discipline is required for a passing grade in this course. Offered both fall and spring semesters.

Prerequisite(s): CHE 255, CHE 304

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 within this discipline is required for a passing grade in this 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, CHE 305, CHE 306, 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 within this discipline is required for a passing grade in this course. Offered summer only. Can be replaced by successful completion of CHE 321 and CHE 322.

Prerequisite(s): CHE 304, CHE 305, CHE 306

Writing

CHE324 Transport Phenomena

C

Hours 3

Development of the conservation equations for mass, momentum and energy with application to steady-state and transient chemical processes. Computer proficiency is required for a passing grade in this course.

Prerequisite(s): CHE 255 ChE Eng Thermodynamics MATH 238 Appld Diff Equations I

Prerequisite(s) with concurrency: MATH 238 and CHE 255

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

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)

CHE425 Chemical Engineering 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

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.

Prerequisite(s): CH 102 General Chemistry I or CH 118 Honors General Chemistry CHE 255 Chem Engr Thermodynamics

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

CHE481 Chemical Process Design I

Hours 3

Technical and economic design of chemical processes and plants. It is recommended that students complete at least two 300-level ChE classes before enrolling in 481.

Prerequisite(s): CHE 255 CHE 305

CHE482 Chemical Process Design II*W*

Hours 3

Optimal design of chemical processes and plants. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): CHE 481

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

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, student 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 100 or CBH 102 or (CS 150 and ECE 285)) and (MATH 125 or MATH 145)

Computer Science

CS102 Microcomputer Applications

Hours 3

Familiarization with Windows, fundamental and intermediate word processing commands, spreadsheet applications, and database management. (Credit for this course will not be applied to the requirements for a computer science degree).

CS104 Computer Science Principles

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. This course is restricted to Math and Math Education majors only.

Prerequisite(s) with concurrency: MATH 112 or MATH 115 or MATH 125 or MATH 126 or MATH 145 or MATH 146

CS120 Business Programming I

Hours 3

An introduction to programming. The topics include procedural information enabled problem formulation, design and development of business computer solutions. This course concentrates on the construction and testing of individual programs.

Prerequisite(s): MATH 112 or MATH 115 or MATH 121 or MATH 125

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 380

Prerequisite(s) with concurrency: MATH 112

CS150 Programming I

Hours 2

An introductory course that teaches programming and program development. The emphasis of the course is the rapid acquisition of programming, testing, debugging and system skills. Topics include sequence, selection, iteration, arrays, functions and recursion.

Prerequisite(s): (MATH 112 and MATH 113) or MATH 115 or UA Subject Math Placement Test Score (PLAC) of 565 or UA Math Placement Test Score (PLMA) of 440

Prerequisite(s) with concurrency: MATH 125 and MATH 126 and MATH 145 and MATH 146

CS160 Computer Science Concepts

Hours 1

Introductory programming laboratory that focuses on basic problem solving concepts.

Prerequisite(s): Credit for MATH 112 or placement into MATH 115 or above.

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.

Prerequisite(s): CS 101

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.

Prerequisite(s): CS 101 and MATH 301

Prerequisite(s) with concurrency: MATH 302

Computer Science

CS202 Intro to the Internet

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.

Prerequisite(s): CS 102 or CS 150 or CBH 101 or CS 100 or PLCS of 380

Computer Science

CS205 Web Site Design*C*

Hours 3

A course designed to teach website design principles and implementation techniques. 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

Computer Science

CS220 Business Programming II*C*

Hours 3

This course builds on the concepts and expertise gained in data driven problem solving and computer programming. It explores problem formulation, solution designing and object-oriented construction of business applications. This course concentrates on problem decomposition, design, construction and testing of individual programs. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 120 or CBH 101

Computer Science

CS250 Programming II*C*

Hours 2

A second course in programming that builds upon the concepts covered in CS 150. The emphasis is to improve and solidify program development skills as well as to introduce students to multimedia programming. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 150 or CS 100

Computer Science

CS260 Foundations of Comp Science*C*

Hours 3

An introduction to the science of Computer Science. Topics include: introduction to complexity, $O(n)$, searching, sorting, design strategies, problem solving, arrays, linked lists, stacks, queues, and binary search trees.

Prerequisite(s): CS 150 or CS 100 or CBH 101 and (CS 160 or ECE 285)

Computer Science

CS285 Microcomputer Appl II*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.

Prerequisite(s): CS 102 or CS 150 or CBH 101 or CS 100 or PLCS of 380

Computer Science

CS302 Computerized Database Systems*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.

Prerequisite(s): CS 102 or CS 150 or CBH 101 or CS 100 or PLCS of 380

Computer Science

CS305 Advanced Computerized Database Systems*C*

Hours 3

This course is designed for non-majors wishing to learn more about the use of database systems in a wide variety of applications. Coverage includes advanced database topics such as advanced queries, custom forms and custom reports.

Prerequisite(s): CS 302

Computer Science

CS315 Software Engineering

Hours 3

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.

Prerequisite(s): CS 260 and (CS 250 or ECE 285)

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.

Prerequisite(s): CS 102 or CS 150 or CBH 101 or CS 100 or PLCS of 380

Computer Science

CS345 Advanced Legal and Ethical Issues in Computing*C*

Hours 3

Using case study and fact pattern analysis, students will find and frame legal and ethical issues presented by past, contemporary and emerging technology. Students will engage in service learning to enhance their sense of civic responsibility.

Prerequisite(s): CS 340

Computer Science

CS350 Programming III: Java

C

Hours 2

The third course in programming that builds upon the concepts covered in CS 250 and transitions to the Java programming language. The emphasis is on building larger projects using production languages and development environments. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 250 or ECE 285

Computer Science

CS351 Programming III: C++

C

Hours 2

The third course in programming that builds upon the concepts covered in CS 250 and transitions to the C++ programming language. The emphasis is on building larger projects using production languages and development environments. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 250 or ECE 285

Computer Science

CS360 Data Structures & Algorithms

C

Hours 4

Basic concepts of data, linear lists, strings, arrays, trees, graphs, and the related storage of representations and structures. Applications include expression conversion, sorting, searching and dynamic storage allocation. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): MATH 301; and CS 250 or ECE 285; and CS 260;

Prerequisite(s) with concurrency: MATH 302 and CS 350 and CS 351 and CS 352

Computer Science

CS385 Prototyping In Visual Environm

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

Computer Science

CS391 Special Topics

Hours 3

Special topics in computing.

CS395 Competitive Programming I

Hours 1

A study of techniques and practices that promote success in competitive programming contests.

CS396 Competitive Programming II

Hours 1

Advanced study of techniques and practices that promote success in competitive programming contests. Must have 3 hours of credit in CS 395.

Prerequisite(s): CS 395

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 315; and CS 350 or CS 351 or CS 352; and CS 360; and ECE 383

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 315, CS 360, and ECE 383; and CS 350 or CS 351 or CS 352

CS415 Software Design & Development

Hours 3

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

Prerequisite(s): CS 315; and CS 350 or CS 351 or CS 352; and CS 360; 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 315, (CS 350 or CS 351), CS 360, 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 315, (CS 350 or CS 351), CS 360, and ECE 383

CS420 Software Mainten. & Evolution

Hours 3

Study of software and its phases. Topics include techniques and tools for concept location, impact analysis, actualization, refactoring, and validation.

Prerequisite(s): CS 315 and CS 350 or CS 351; and CS 360 and ECE 383

CS426 Intro Operating Systems

Hours 3

Study of basic operating system concepts with an emphasis on memory, processor, device, and information management.

Prerequisite(s): CS 315 and CS 350 or CS 351 or CS 352; and CS 360 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 315 and ECE 383; and CS 350 or CS 351 or CS 352; and CS 360

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 315; and CS 350 or CS 351 or CS 352; and CS 360 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 315; and CS 350 or CS 351 or CS 352; and CS 360; 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 315; and CS 350 or CS 351 or CS 352; and CS 360; and ECE 383

CS440 Computers, Ethics and Society

Hours 3

Social, legal, and ethical aspects of computing: privacy, free speech, intellectual property, crimes, the work place, risks, and professional ethics and responsibilities.

Prerequisite(s): CS 315 and CS 360 and ECE 383 and CS 350 or CS 351 or CS 352

CS448 Network Security

Hours 3

Concepts concerning network security, including an examination of network security concepts, algorithms, and protocols.

Prerequisite(s): CS 200, CS 201 and ECE 383

CS457 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 within this discipline is required for a passing grade in this course.

Prerequisite(s): CS 315; and CS 350 or CS 351 or CS 352; and CS 360; and ECE 383

Writing

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 426

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 315; and CS 350 or CS 351 or CS 352; and CS 360; and ECE 383

CS470 Computer Algorithms

Hours 3

Construction of efficient algorithms for computer implementation.

Prerequisite(s): CS 315; and CS 350 or CS 351 or CS 352; and CS 360; 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 315, CS 360, and ECE 383; and CS 350 or CS 351 or CS 352

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 360; and CS 315 and CS 350 or CS 351 or CS 352; and ECE 383

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 315; and CS 350 or CS 351 or CS 352; and CS 360; 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.

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 315 or CS 200; and CS 360 or CS 201; and ECE 383

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 within this discipline is required for a passing grade in this course, and ethical issues are applied to the students' future professions.

Prerequisite(s): CS 350 or CS 351 or CS 352; and CS 315 and CS 360 and ECE 383

Writing

CS499 Undergraduate Thesis Research

W

Hours 3

Independent research and participation within a faculty member's research group. Writing proficiency within this discipline is required for a passing grade in this course. Permission of the supervising faculty member is required.

Prerequisite(s): CS 315; and CS 350 or CS 351; and CS 360 and ECE 383

Writing

DR135 Construction Drawing

Hours 3

Introduction to the graphic language used by the construction industry. Covers architectural plans, elevations, sections, and pictorials, executed by freehand sketches, instrument drawings, and computer-aided drawings.

DR250 Construction Materials & Proc

Hours 3

No description available

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DR355 Auto Cad Interior Design

Hours 3

Use of AutoCAD software to produce two-dimensional architectural drawings, such as floor plans, elevations, sections and details. Explores three-dimensional views and presentation techniques.

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 and PH 126, MATH 227 and MATH 238

ECE285 Programming for Elec/Comp Eng

Hours 3

Algorithm design, programming, test and debugging skills using the C programming language. Applications to engineering problem solving in electrical and computer engineering.

Prerequisite(s): MATH 125 or MATH 145

Prerequisite(s) with concurrency: CS 150

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 majors or to students who have earned credit for ECE 225.

Prerequisite(s): PH 106; and MATH 238 or MATH 247

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

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 0-4

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): ECE 225 or ECE 320; and EN 102

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 within this discipline is required for a passing grade in this course.

Prerequisite(s): ECE 332

Writing

ECE340 Electromagnetics

Hours 4

Electrostatics, magnetostatics, Maxwell's equations, plane waves, guided waves, and radiation.

Prerequisite(s): PH 106 and MATH 227 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 ECE 285

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 150 or CBH 101) and (MATH 125 or MATH 145)

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.

Prerequisite(s): (ECE 285 or CS 250 or CBH 101) and ECE 380

Computer Science

ECE404 Sensor Networks

Hours 3

Basic architecture and applications of wireless sensor networks (WSN). Hardware components of WSN, WSN operating systems, transport layer, routing layer, MAC layer and data link layer of WSN.

Prerequisite(s): ECE 383

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

ECE432 VLSI Design

Hours 3

Digital design issues in the context of VLSI systems. Introduction to CMOS digital design methodology, layout techniques, behavior models, circuit simulation and testing of complex systems.

Prerequisite(s): ECE 332

ECE434 Mixed Signal Circuits

Hours 3

Design and testing issues in the context of mixed-signal embedded systems. Introduction to CMOS mixed-signal design methodology, layout techniques, analog to digital converters, digital to analog converters, circuit simulation, and testing and packaging of complex mixed-signal systems.

Prerequisite(s): ECE 332

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

Prerequisite(s) with concurrency: 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): 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

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

Prerequisite(s) with concurrency: 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

Prerequisite(s) with concurrency: ECE 486

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) of 310 OR Higher, UA Subject Math Placement Test Score (PLAC) of 467 OR Higher, ACT Math Subscore 24 OR Higher, SAT Math Subscore 560 OR Higher OR Passed MATH 110 with C- or higher.

Prerequisite(s) with concurrency: MATH 112 and MATH 113 and MATH 115 and MATH 125 and MATH 126 and MATH 145 and MATH 146

ENGR131 Eng. Concepts & Design I

Hours 1

Introductory course for students in all engineering disciplines that provides the basic skills required for engineering with an emphasis on problem solving, teaming and the design process.

Prerequisite(s): (MATH 112 and MATH 113) OR MATH 115 OR UA Math Placement Test Score (PLMA) of 440 or higher OR UA Subject Math Placement Test Score (PLCA) of 565 or higher OR ACT Math Subscore of 30 or higher OR SAT Math Subscore of 680 or higher.

Prerequisite(s) with concurrency: MATH 125 and MATH 126 and MATH 145 and MATH 146 and ENGR 161 and ENGR 171

ENGR141 Eng. Concepts & Design II

Hours 1

A second course for students that reinforces the basic skills required for engineering with an emphasis on design, problem solving, teaming and technical communication.

Prerequisite(s): ENGR 131

ENGR142 Accel. Eng. Concepts/Design

Hours 1

An accelerated course for students in all engineering disciplines that is open to students with AP Physics credit or initial placement into Calculus II or higher. With the completion of ENGR 142 with a grade of "C-" or higher, placement credit is also awarded for ENGR 131. The course reinforces the basic skills required for engineering with an emphasis on design, problem solving, teaming, and technical communication.

Prerequisite(s): AP Physics credit OR MATH 125

ENGR151 Fundamental Eng. Graphics

Hours 1

An introduction to the fundamental principles of graphical and visual communication. Focus is on the ability to use sketching as an effective communication tool within the field of engineering.

Prerequisite(s): MATH 112

Prerequisite(s) with concurrency: MATH 113 and MATH 115 and MATH 121 and MATH 125 and MATH 126 and MATH 145 and MATH 146

ENGR161 Small-Scale Eng. Graphics

Hours 1

Two-dimensional representations of multiviews, sections, and auxiliaries will be generated.

Prerequisite(s) with concurrency: ENGR 103

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

ENGR191 Freshman Engineering Special Topics

Hours 1-3

To enrich UA's undergraduate education in the area of nanotechnology. The course is a low level freshman course that will cover simple introductory material on nanotechnology and its concepts, its environmental, economical, ethical and societal impacts on it. It consists of 7 modules: Introduction to nanotechnology & biotechnology, engineering applications of nanotechnology and biomedicine, seeing is believing and micro/nanofabrications, economics of nanotechnology and biotechnology, philosophy, ethics, science and engineering; nanotechnology, biotechnology and society; nanotechnology, biotechnology and environment.

Prerequisite(s): None

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. Computing proficiency are required for a passing grade in this course.

Prerequisite(s): ENGR 103

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

GES401 Operations Research

Hours 3

Not open to students with credit for IE 363. Not available for MSIE degree credit. Model construction, linear programming, network models, dynamic models, stochastic models, queuing theory and decision theory.

Prerequisite(s): MATH 126 or MATH 146

Prerequisite(s) with concurrency: GES 255 or GES 400 or GES 500

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.

GES473 Engineering Service Learning

Hours 1-3

No description available

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. Credit will not be given for this course for students who have passed ME 215.

Prerequisite(s): MATH 112 or MATH 113 or MATH 115 or MATH 125 or MATH 126 or MATH 145 or MATH 146 or MATH 227 or MATH 238.

Prerequisite(s) with concurrency: MATH 112 or 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 fluid mechanics, 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

Thermodynamic cycle analysis; thermodynamics of non-reacting and reacting mixtures; and chemical equilibrium.

Prerequisite(s): ME 215; and MATH 227 or MATH 247

ME308 Propulsion Systems

Hours 3

Basic propulsion dynamics, thermodynamics of fluid flow, combustion kinetics, air-breathing engines, rockets, design criteria, performance and advanced propulsion systems.

Prerequisite(s): ME 305

ME309 Heat Transfer

Hours 3

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 partial 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 and GES 132 or ENGR 141 or ENGR 103

Computer Science

ME350 Static Machine Components

Hours 4

The analysis of stresses of machine elements and the topics of fatigue strength, wear and failure criteria. Also includes the design of fasteners covering both bolted and welded joints, as well as an introduction to finite element analysis.

Prerequisite(s): AEM 250 and AEM 251 and DR 125 or ART 131 or ENGR 161

ME360 Control Instrument Components

W

Hours 3

Introduction to selection and use of electrical, pneumatic, and other components of mechanical system instrumentation and control. Specific components include modern electrical measurement devices, signal conditioning, force and torque measurement, proximity sensors, AC and DC motors, etc. Writing proficiency is required for a passing grade in this course.

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.

Prerequisite(s): MATH 238 and PH 106

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 and joining processes. Practical project experience included.

Prerequisite(s): AEM 250 and AEM 251 and DR 125 or ART 131 or ENGR 161

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

ME416 Energy Conservtn & Manag

Hours 3

Analysis of energy systems, including fossil fuels, steam, cogeneration, waste heat recovery, heating, ventilation, air-conditioning, control and energy-management systems. Topics include conservation in electrical load, lighting, building envelope, and insulation; alternative energy sources; economic analysis; energy auditing; and fuel sources and supplies.

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 215

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 Maint & TPM

Hours 3

Measures and methods of reliability engineering, maintainability engineering and total productive maintenance, as used in the system design process.

Prerequisite(s): GES 255 or GES 500

ME430 Fuzzy Set Theory & Application

Hours 3

This course introduces fuzzy set theory and its engineering applications to upper-class undergraduate students.

Prerequisite(s): GES 255 OR GES 400/500 OR ME 349 AND Instructors Approval

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

ME460 Energy Systems: Design and Measurement

W

Hours 4

Selection and use of basic thermal systems measurement instrumentation. Techniques of analysis and design of thermal systems, including piping networks, heat exchangers, and pumping systems. Hands on experience with these systems. Statistical design of experiments. Writing proficiency is required for a passing grade in this course.

Prerequisite(s): ME 309 & ME 360 - each must have a minimum grade of C-.

Writing

ME470 Mechanical Vibrations

Hours 3

Free and forced vibrations, both undamped and damped, and systems with many degrees of freedom formulated and analyzed by matrix methods. Experimental techniques of vibration measurement are introduced.

Prerequisite(s): ME 372 and AEM 250

ME471 Fundamentl Of Acoustics

Hours 3

Fundamental physical principles underlying wave propagation and resonance in mechanical systems. Introduces applications and provides experience in acoustic and audio measurements, and the associated instrumentation.

Prerequisite(s): MATH 238 and PH 106 and ECE 225 or ECE 320

ME475 Control Systems Analysis

Hours 3

Classical and modern feedback-control system analysis; block diagrams, state variables, stability, root locus and computerized analysis. Includes an introduction to modern control techniques.

Prerequisite(s): ME 349 and ME 372

ME483 Computer-Aided Manufacturing

Hours 3

Introduction and application of several technologies used in computer-aided design/manufacturing; computer-aided design, solid modeling, rapid prototyping, geometric dimensioning and tolerancing, machining process optimization, NC programming CNC machines, software-based product, and process design in machining.

Prerequisite(s): ME 383

ME485 Intro to Computer-Aided Design

Hours 3

Basics of computer-aided design, including solid modeling, model assembly, structural and thermal analysis, mechanism simulation and parametric/optimization study. Interactive computer programs are used to design and analyze mechanical componens/devices.

Prerequisite(s): ENGR 161, AEM 250 and ME 309

ME489 Mechanical Engg 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

ME490 Mechanicl Engr Design II

Hours 3

In this semester-long internship experience, three-student teams serve as consultants to an industrial client. Emphasis is on conducting a professional design study and preparing written and oral presentations of the project.

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 Mech Engineerg 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.

MTE155 Energy, Environent and Materials

FS, N

Hours 4

This course will provide the science background today's citizens need to understand the problems and limitations society faces with respect to energy resources and the environment. Science concepts will be introduced as needed and within the context of energy, the environment, or materials. Students will be encouraged to critically analyze timely examples of energy usage or environmental problems from the news media. Students will gain an understanding of how engineering and technology, especially the development of new materials, can translate science to practical and beneficial outcomes.

Freshmen Seminar, Natural Science

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, 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 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

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.

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

Prerequisite(s) with concurrency: Please change the course description to the following: and 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.

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, MTE 362, 373, 380

Prerequisite(s) with concurrency: MTE 441 and MTE 481

MTE445 Materials Engineering Design II (W)

Hours 3

Capstone design course. Students work in teams on design projects which involve evaluation of industrial based metallurgical or materials problems and emphasize societal impact. Implementation of design principles and the research plan developed in MTE 443. Interim and final design reviews with oral presentations and written reports. Final project presentation will be evaluated by the MTE faculty. Writing proficiency is required for a passing grade in this course.

Prerequisite(s): MTE 416, 441, 443, 455, and 481

MTE449 Powder Metallurgy

Hours 3

The course will cover the topic of powder metallurgy, describing the various types of powder processing and how these affect properties of the componentss made. Current issues in the subject area, from high production to nanomaterials will be discussed.

Prerequisite(s): MTE 373 and MTE 380

MTE450 Plasma Processing of Thin Films

Hours 3

This course will cover fundamental technology involved in thin film processing. Plasma deposition and etch technology will be discussed. The basics of plasma processing equipment will be detailed, with special emphasis on sputtering tools. A range of thin film applications will be explored, with examples of magnetics, semiconductor, optical, and medical applications. The fundamentals of process optimization using a Design of Experiments will be taught with a test case of process optimization for the final exam.

Prerequisite(s): PH 106 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 201 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

MTE476 Physical Ceramics

Hours 3

Topics include ceramic raw materials, refractories, thermal properties, mechanical properties, processing, advanced ceramics, etc.

Prerequisite(s): MTE 353 and MTE 362 and MTE 373

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.

Prerequisite(s): MTE 373 or permission of instructor.

Prerequisite(s) with concurrency: MTE 373

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.

College of Human Environmental Sciences Courses

ATR257 Intro to Athletic Training

Hours 3

The study of current principles in the prevention; clinical evaluation and diagnosis; immediate care and treatment; and rehabilitation and reconditioning of injuries and illnesses.

ATR258 Clinical Fundamentals

Hours 1

The study and practice of clinical skills in the prevention, clinical evaluation and diagnosis, immediate care and treatment, rehabilitation and reconditioning of injuries and illnesses. Directed observations under the guidance of BOC certified athletic trainers.

ATR272 First Aid, Safety & CPR

Hours 2

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 Athl. Training

Hours 3

Study and discussion of topics and clinical skills related to the prevention; clinical evaluation and diagnosis; immediate care and treatment; and rehabilitation and reconditioning of injuries and illnesses. Introduction to the organization and administration of athletic training programs.

Prerequisite(s): ATR 257 and ATR 258 and ATR 272

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

ATR310 Clinical Skills I

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. Clinical experiences under the direct supervision of BOC Certified Athletic Trainers.

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

Prerequisite(s) with concurrency: BSC 215 and NHM 315 and ATR 300

ATR320 Clinical Skills II

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 the lower extremities. Clinical experiences under the direct supervision of BOC Certified Athletic Trainers.

Prerequisite(s): ATR 257 and ATR 258 and ATR 272 and ATR 300 and ATR 310 and BSC 215 and NHM 315 and ATR 357 and BSC 216 and KIN 365

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

ATR357 Clinical Evaluation & Diagn I

Hours 3

Study of the lower extremities as they relate to the prevention; clinical evaluation and diagnosis; immediate care and treatment; and rehabilitation and reconditioning 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 Clinical Eval. Diagnosis II

Hours 3

Study of the upper extremities as they relate to the prevention, clinical evaluation and diagnosis, immediate care and treatment and rehabilitation and reconditioning of injuries and illnesses.

Prerequisite(s): BSC 215 and BSC 216 and NHM 315 and KIN 365 and PH 101 and ATR 457 and ATR 410

Prerequisite(s) with concurrency: PH 101 and ATR 457 and ATR 410

ATR360 Clin Eval & Diagnosis II

Hours 3

Study of the head, neck, face, abdomen, thorax and thoracic and lumbar spines as they relate to the preventions; clinical evaluation and diagnosis; immediate care and treatment; and rehabilitation and reconditioning 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 and ATR 420 and ATR 456

Prerequisite(s) with concurrency: PH 101 and ATR 420 and ATR 456

ATR410 Clinical Skills III

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 the upper extremity and the use of therapeutic modalities in the comprehensive patient care plan. Clinical experiences under the direct supervision of Preceptors.

Prerequisite(s): BSC 215 and BSC 216 and NHM 315 and KIN 365 and PH 101 and ATR 358 and ATR 457

Prerequisite(s) with concurrency: PH 101 and ATR 358 and ATR 457

ATR420 Clinical Skills IV

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 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 Preceptors.

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 and KIN 492 and ATR 360 and ATR 456

Prerequisite(s) with concurrency: KIN 492 and ATR 360 and ATR 456

ATR430 Clinical Skills V

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 their pharmacologic management within a well organized athletic training program. Clinical experiences under the direct supervision of Preceptors.

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 ATR 454 and ATR 455 and BSC 215 and BSC 215 and NHM 315 and KIN 365 and KIN 492 and PH 101

Prerequisite(s) with concurrency: ATR 454 and ATR 455

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. Offered summer semester.

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 Org. Ad. Athletic Training

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

ATR455 Pharm Path Athl Training

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 management of common acute and chronic illnesses.

Prerequisite(s): ATR 257 and ATR 258 and ATR 272 and 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 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 Principles of Rehab & Recon

Hours 3

Methods, theories and techniques in the rehabilitation and reconditioning of injuries. The clinical evaluation 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 Modalities

Hours 3

Current theories, methods and techniques in the application of therapeutic modalities during the treatment rehabilitation and reconditioning of injuries. The clinical evaluation and diagnosis of injuries relative to therapeutic modalities.

Prerequisite(s): BSC 215 and BSC 216 and NHM 315 and KIN 365

Prerequisite(s) with concurrency: PH 101 and ATR 358 and ATR 410

ATR458 Seminar in Athl. Training

W

Hours 3

Discussion of current issues in athletic training with an emphasis on research and the application of current research to the practice of athletic training. Writing proficiency within this discipline is required for a passing grade in this 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

Writing

ATR488 Internship in Athl Training

Hours 1-12

Directed internship in a health care facility for the senior athletic training student.

ATR490 Anatomical Basis

Hours 3

An in depth review of the anatomical structures associated with common orthopaedic injuries. Cadaveric dissection and prosection review activities included.

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. Student may not receive credit for both CSM 101 and CS 102.

CSM116 Quantitative Methods of Financ

MA

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.

Prerequisite(s): MATH 100

Mathematics

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.

CSM206 Prac Fin Plan for Rest of Us

Hours 3

Provides basic tools and technology necessary for development of a successful personal financial plan over one's life span. Topics include money management, credit use, investments, insurance, retirement planning, wealth accumulation and estate planning.

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

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.

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

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 within this discipline is required for a passing grade in this course.

Writing

CSM403 Consumer Economics

Hours 3

The role of the consumer in the economy. Economic analysis of market and nonmarket consumption activities, incorporating relevant social, psychological, political, and ecological considerations.

CSM404 Personal Investment Plan & Mgt

Hours 3

Concepts and techniques related to family financial investments.

Prerequisite(s): CSM 201 and CSM 204

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.

CSM406 Consumer Mgt Quality Assurance

Hours 3

Provides in-depth coverage of the primary theories and methods necessary for quality assurance in a wide range of organizational settings.

CSM407 Consumr Qual Mgt Facilitn Skil

Hours 3

Provides a comprehensive study of facilitation skills necessary to lead an organization in continuous improvement.

CSM408 Consumer Quality Mgt Systems

Hours 3

Provides an in-depth analysis of management systems as a method for organizing and leading business, educational, and health care institutions. The course will cover the primary issues related to management systems.

CSM409 NY Wall Street Stdy 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 Benefs

Hours 3

Fundamentals for personal retirement planning and the selection of employee benefits.

Prerequisite(s): CSM 201 and CSM 204

CSM414 Personal Investment Planning & Management II

Hours 3

This course expands upon the content of CSM 404/504, adding a number of new concepts that are relevant to understanding the management of investments for family and individual goal attainment. Lectures, readings, case studies, and problem sets are designed to help students in preparing for the Investment Planning section of the Certified Financial Planner™ examination.

Prerequisite(s): CSM 404

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

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 Cons Conflict Med, Mgt & Neg

Hours 3

A study of the various techniques of conflict resolution in consumer affairs.

CSM427 Cons Conflict Med, Mgt & Neg I

Hours 3

An in-depth study of skills to mediate, negotiate and manage conflict in the home and workplace. Written analysis is integral.

CSM428 Cons Conflict Med, Mgt & Neg II

Hours 3

Advanced exploration of the dynamics and impact of communication and difference on conflict mediation, negotiation and management. Students will expand understanding of human difference on the ability to work through conflict situations. Students will develop self-evaluation skills related to conflict experiences.

CSM430 Family & Consumer Law

Hours 3

The study of family and consumer law in specific issues of marriage, parent-child relationships, divorce, and the economic consequences of divorce, as well as consumerism and a general understanding of legal terms, resources, the legal system, and 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, W

Hours 3

Principles, methods, techniques, and resources used in developing, presenting, and evaluating a complete consumer communication program. Writing proficiency and use of the computer are required for a passing grade in this course.

Prerequisite(s): CS 102 or CSM 101

Computer Science, Writing

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.

Prerequisite(s): CS 102 or CSM 101

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 and computer proficiency are required for a passing grade in this course.

Prerequisite(s): CSM 101 or CS 102

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.

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

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.

Prerequisite(s): CSM 204 or RHM 474 or AC 210

Computer Science

CSM459 Tech of Counsl in Cons Science

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.

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 and CSM 400 and CSM 404 and CSM 458

CSM462 Financial Planning Practice Management

Hours 3

An in-depth look at the professional side of careers in Consumer Sciences. Experiential activities, guest speakers, faculty lecturers and student projects provide students with opportunities to learn and practice traits, skills and abilities needed for a successful career.

CSM475 Entrepreneurship In Hes

Hours 3

A study of home-based businesses taught from the perspective of theory and application in family resource management.

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 Consumer Conflict Mediation, Management & Negotiation III

Hours 3

Survey of the theory and practice of the Employee Assistance Program (EAP). Six content areas will assist students in identifying their strengths and weaknesses in relation to the content areas.

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. Two lectures, one laboratory.

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. Two laboratories, one lecture.

CTD141 Intro to Apparel Design

Hours 3

An introduction to the business of fashion with focus on the apparel designer's role. Open to apparel design majors only.

Prerequisite(s): None

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): CTD 121 or Permission of Instructor

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 225

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

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

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

CTD250 Construction Procedures for Interior Design

Hours 3

Building construction for interior designers with emphasis on architectural procedures and systems including electrical, plumbing, lightning, acoustical, and thermal control. Includes introduction to Revit software.

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 CS 102

Computer Science

CTD261 Textiles

Hours 3

Characteristics of the textile industry, fibers, yarns, fabric construction, and finishes. Selection, care, and performance characteristics.

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.

CTD301 I. D. New York Study Tour

Hours 3

No description available

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

CTD312 Advanced Computer Applications

Hours 3

This course will provide students with an advanced understanding of computer software applications and project documentation commonly used in interior design. The skills are presented in a format that emphasizes use of the computer as a creative tool. Computer Software used in class: Photoshop and Revit. Extensive use of the computer is a condition for passing the class.

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 102 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): 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): CTD 325

CTD328 Prof Procd 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 325

Prerequisite(s) with concurrency: CTD 371 and CTD 326

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): CS 102

CTD340 Portfolio Development

Hours 3

Dedicated to the study and completion of a student portfolio.

CTD341 Italian Fashion

Hours 3

Students travel to Italy to research and experience the influence of culture on the fashion industry.

Prerequisite(s): CTD 281

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 3

Principles and procedures governing development and use of master patterns. Application of flat pattern principles to the execution of original designs. Offered in the fall semester. Two laboratories.

Prerequisite(s): CTD 245

CTD351 Apparel Des Thru Drpng

Hours 3

Techniques of draping on a dress form are applied in the execution of original designs. Offered in the spring semester. Two laboratories.

Prerequisite(s): CTD 350

CTD353 Language of Design

W

Hours 3

Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): EN 101 and EN 102; or EN 103 and CTD 121

Writing

CTD355 Global Influences on Design

Hours 3

No description available

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 AC 210

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 and CTD 250

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 within this discipline is required for a passing grade in this course. Offered in the spring semester.

Writing

CTD422 History Of Interiors II

W

Hours 3

Study of research methods and design theories utilizing historical knowledge from CTD 321. Writing proficiency within this discipline is required for a passing grade in this 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): CTD 326

CTD426 Advanced Nonresidential 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): 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): CS 102 and 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 Apparl Intnat Trade

W

Hours 3

Study of the evolution of the textile industry and its products, emphasizing multinational characteristics and contemporary issues. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): EC 110 or EC 111; 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 3

Synthesis and application of design theories; procedures and processes used in the apparel industry. Development of portfolio of original design work is required. Two laboratories. Offered in the fall semester.

Prerequisite(s): CTD 350 and CTD 351

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. Block course. Offered in the fall semester.

Prerequisite(s): CTD 261 CTD 231

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 231 CTD 461

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

HD155 Freshman Seminar

FS, SB

Hours 3

HD 155 is a freshman seminar class leading students to uncover the pathways for their future careers and to discover the skills and knowledge needed to build successful and fulfilling lives. This process begins with understanding, valuing, developing, and learning how to capitalize upon one's own unique combination of talents. Through class exercises, projects, readings, and discussion, each student will acquire tools and skills necessary for success in the first year of college and will map out and begin pursuing a detailed, comprehensive action plan for achieving long-term personal, interpersonal, academic, and professional excellence.

Freshmen Seminar, 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.

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 114/115 or BSC 118.

HD205 Child Dev-Preschool

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

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 Concp Creat Exper Young Child

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 Conc Creat Exper Yng Chld 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

HD350 Addiction: Prevention, Treatment and Recovery

Hours 3

This course will review evidence-based prevention models and treatment programs for addictive behaviors and the process of recovery from addiction.

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 Learng Human Development

Hours 1-30

No description available

HD401 Cult Infl 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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this 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 within this discipline is required for a passing grade in this course.

Writing

HD425 Adv Preschool Dev & Curriculum

Hours 3

This course is designed for students to understand, design, implement and evaluate appropriate curricular practices for preschool children. Developmental theories and current issues in early childhood education are examined.

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.

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.

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.

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

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HD495 Early Childhood Devel Intern

Hours 6-12

Internship experience for students in the early childhood development concentration only. 2.0 GPA in both HD and UA coursework, fully executed HDFS Application for Internship form, and permission of the instructor.

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. 2.5 GPA in HD coursework, fully executed HDFS Application for Internship form and permission of the instructor.

Prerequisite(s): HD 202 and HD 205 and HD 321 and HD 322 and HD 426

HD497 Family Studies Internship

Hours 6-12

Internship experience for students in family studies concentration only. 2.0 GPA in both HD and UA coursework, fully executed HDFS Application for Internship form, and permission of the instructor. Most internship opportunities require a 2.5 GPA.

Prerequisite(s): HD 483

HD498 Adolescent Youth Devel Intern

Hours 6-12

Internship experience for students in the adolescent and youth development concentration only. 2.0 GPA in both HD and UA coursework, fully executed HDFS Application for Internship form, and permission of the instructor.

Prerequisite(s): HD 302

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.

HES125 Reflecting on the Mentor Experience
Hours 1

This class provides an opportunity for college mentors to engage in dialogue and reflection on their experience as a mentor. Students will reflect on their service to better understand the local community as well as gain awareness of larger societal and educational inequalities. This class meets Wednesdays from 9:00 – 9:50 in Doster 205. Class participants must also serve as one-on-one mentors from 2:30 - 5p.m. on either Tuesday, Wednesday, or Thursday at McKenzie Court, Oakdale Elementary and Northington Elementary.

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 opportunities 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.

HES390 Practicum Human Envir Sciences
Hours 3-6

Provides students with an opportunity to apply classroom knowledge in a work setting appropriate with career goals.

HES399 Prior Learning In Hes
Hours 0-30

Prior Learning in HES.

HES430 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.

HES450 Volunteer & Civic Respon
Hours 1-3

Study of the importance of volunteerism to nonprofit organizations. Students will gain practical experience working with one or more nonprofit organizations.

HES452 Trends & Issues
Hours 3

Course developed for sport professionals to gain knowledge and understanding of contemporary trends and issues in sport management.

HES455 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.

HES459 International Strategies in Sports Management
Hours 3

Indepth analysis for sport professionals to study and review management and leadership strategies in various sport organizations.

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 within this discipline is required for a passing grade in this course.

Writing

HES490 Indiv Stdy 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 Community And 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.

Prerequisite(s): HHE 273

HHE378 Drug Awareness Education

W

Hours 3

Introduction to topics associated with drug-taking behavior, emphasizing drug education. Physiological, psychological, and sociological aspects of drug-taking behavior are examined. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

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.

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.

HHE467 Design Eval Health Promo

Hours 3

Designed to help health educators develop competencies in program design, implementation, and evaluation.

Prerequisite(s): HHE 370

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

Prerequisite(s) with concurrency: HHE 467

HHE480 Culminating Experience in Health Education and Promotion

Hours 3

The purpose of this course is to provide students with an opportunity to apply health education and promotion competencies and concepts developed throughout their undergraduate course experiences. The course will include observations, applications, and reflections of responsibilities and competencies of health educators in professional practice.

Prerequisite(s) with concurrency: HHE 467 and HHE 468

HHE488 Internship Community Hlth

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.

NHM105 Personal Nutrition

Hours 3

Discussion and application of nutrition as it relates to personal health.

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

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 and CH 104 or CH 101.

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; and NHM 201 (peq or coreq)

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

NHM320 Food in Film

Hours 3

This course begins as an introduction to the portrayal of food and nutrition culture in film media and goes on to explore the dynamic interaction of shifting food and nutrition values with evolving media production trends. Film media explored includes television, movies, documentaries, and news.

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.

Prerequisite(s): NHM 101 and NHM 201. NHM 395 (peq or coreq).

Prerequisite(s) with concurrency: NHM 395

Writing

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, 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): 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 and NHM 372 and preq or coreq NHM 253 or NHM 250.

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, NHM 253, NHM 340, NHM 365, NHM 395, and CH 105

NHM457 Childhood Obesity

Hours 3

Focuses on the physiological, genetic, environmental, and behavioral factors that predispose children and adolescents to obesity; explores the clinical and public health strategies for treatment and prevention.

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 within this discipline is required for a passing grade in this 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.

RHM105 Nutrition for Hospitality Man.

Hours 3

Lecture and discussion introducing students to nutrition principles to evaluate and modify menus and recipes, as well as respond knowledgeably to customers questions and needs.

Prerequisite(s): RHM 175

RHM175 Intro Hotel Restaurant Hosp Mg

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.

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 112 AND Economics 110

RHM284 International Food Safety

Hours 3

Principles and techniques used in managing sanitation, safety and security functions in food service operations. Explore food safety issues like nanotechnology, emerging packaging, irradiation, food recalls, international food safety, food terrorism and genetically modified foods.

Prerequisite(s): RHM 175

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.

RHM286 Prof Develop Hospitality Manage

Hours 1-3

Provides students with new and diverse experiences to increase their understanding of the restaurant, hotel and meetings management program. Class discussions, assigned readings, lectures, tours, and presentations by RHM faculty.

RHM290 Food and Beverage Trends

Hours 3

ServSafe Alcohol Certification course and tests are administered. Students are exposed to food and beverage trends at the Annual National Restaurant Association Show.

Prerequisite(s): RHM 175

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 Mgn Quality In Hosp 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 for this 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.

RHM345 Operations Mgt Gaming Ind

Hours 3

This course is designed to increase the understanding of the gaming industry through lectures and possible visits to casino operations, hotels, and restaurants located with casinos. The course discussions include history of gaming, gaming controls, gaming operations, currency reporting, casino statistics, casino tactics, marketing casinos, Alabama laws on gaming, and addictions and responsible gaming. There will be assigned readings and possible presentations by leading casino executives.

Prerequisite(s): RHM 175 or permission from the instructor.

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 within this discipline is required for a passing grade in this 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, NHM 250 or NHM 253

RHM377 Restaurant Management & Service
W

Hours 3

Principles and methods of producing and serving quality food in restaurants. Writing proficiency is required for a passing grade in this course. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): RHM 175

Writing

RHM380 Convention Trade Show Management
Hours 3

A comprehensive analysis of trade shows. Emphasis is on organizing, arranging, and operating trade shows and conventions. Visits to trade shows are required.

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. 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

RHM446 Hospitality Purchasing
Hours 3

Students learn how to purchase major commodities and nonfood supplies, ensuring price and product quality. Course explains how to deal effectively with suppliers and includes the managerial aspects of purchasing.

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 Management
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 Mngtr Acct Hospitality Industry
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 AC 210 or RHM 310 or RHM 274

RHM478 Mgt Service Food Bev Operation

Hours 3

Explores requirements in planning for and managing different types of food and beverage operations.

RHM479 Convention Management & Service

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

RHM481 Special Events, Fairs, and Festivals

Hours 3

This course will cover the history of fairs and festivals and the economic impact they offer the communities that host such events. Students will acquire hands-on experience with festival planning, set-up, and operations.

RHM485 Foundations Seminar

Hours 3

Advanced senior seminar designed for students in the restaurant and hospitality management program.

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.

RHM495 Capstone Senior Project

Hours 12

Project is designed by the student to include research, analysis, and synthesis of a particular topic related to hospitality industry operations. Project must be approved by RHM faculty prior to implementation.

Prerequisite(s): RHM 485

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

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

NUR104 Liv Learning Prof Nursing Prac*FCMP*

Hours 2

This elective course focuses on awareness of education of nursing majors at The University of Alabama Capstone College of Nursing and the profession of nursing. Students have the opportunity to learn about The University of Alabama campus, the Capstone College of Nursing and the profession of nursing. Activities will be included to promote students' development of relationships with other nursing students and other students in Harris Hall. This course, which is known as a compass course, will point you in the right direction, much as a compass would. (Theory).

Freshman Compass

NUR203 Cultural Expeditions in Healthcare

Hours 1

This is an interprofessional interim course where students receive a hands-on experience with different aspects of culture including an overnight field-trip to a replica of a third world global village. Course participants will be required to stay out of town 1 night during the 2 week course. Developing team values that respect all cultures and foster productive team relationships will be fostered. Hands on experience with appropriate technology for community development will be offered. There will be an additional \$75 fee to cover the overnight expenses.

NUR225 Immersion in Spanish Language and Healthcare

Hours 3

This course will provide students with a culturally rich immersion opportunity, integrating language studies with health care issues and concepts through another country's perspective. Family home stays are an integral part of this course. The lessons will occur on Monday through Friday, for five weeks. . Visits to a health center, a hospital, a rehabilitation center, and other visits related to the health profession are included. Additionally, two in class conferences will be held on the medical system in Navarre/Spain. The course takes place in Pamplona, Spain, a medium size city, and capital of the Region of Navarra. Pamplona is located in Northern Spain close to the border of France and is famous for its San Fermin festivals. Additional activities include several excursions around the region including: a medieval castle in Olite, a tapas tour, 3 full-day excursions on Saturdays, a visit to the Guggenheim Museum, and a trip to the South of France and San Sebastian.

Prerequisite(s): No prerequisites

NUR305 Human Pathophysiology

Hours 3

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

NUR307 Medication Calculation

Hours 1

This course is designed to facilitate the students' development of those skills necessary to properly calculate medication dosages and to prepare the student for the Medication Calculation Mastery Exam. Emphasis is placed on those cognitive skills necessary to perform the calculations correctly. (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. A passing grade in writing proficiency is required for a passing grade in this 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. 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: Free healthcare mobile device applications such as Epocrates and Medscape, Microsoft Word, PowerPoint, and Excel. In addition, students will also have the opportunity to explore and utilize free online presentation software, for example: Prezi, GoAnimate, Google Docs, Slidrocket, Zoho Show, or Slide Snack. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 102, 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

NUR312 Clinical Internship

Hours 1-3

An elective clinical course that focuses on the further refinement of clinical and leadership skills. Students taking more than one semester hour will contract with the clinical faculty member for additional assignments. (Laboratory).

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 following software: Free healthcare mobile device applications such as Epocrates and Medscape, Microsoft Word, PowerPoint, and Excel. In addition, students will also have the opportunity to explore and utilize free online presentation software, for example: Prezi, GoAnimate, Google Docs, Slidrocket, Zoho Show, or Slide Snack. Computing proficiency is required for a passing grade in this course.

Prerequisite(s): CS 102

Computer Science

NUR320 Issues in the Care of Older Adults

Hours 3

This is a elective undergraduate nursing course. The focus of this course is to delve into multiple issues of concern for well and sick older adults and their families. By exploring the greatly varied expectations for well and complicated aging, the student will develop an appreciation for the vast array of issues affecting older adults and the multiple transitions they experience.

Prerequisite(s): NUR 305, NUR 307, NUR 308, NUR 309

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 307 and NUR 308 and NUR 309

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.

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.

Prerequisite(s): NUR 319 and NUR 348, or with departmental approval

Writing

NUR330 Honors Inquiry for Evidence-Based Practice in Nursing

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.

Prerequisite(s): NUR 324 and NUR 326

Writing

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 within this discipline is required for a passing grade in this course. (Theory).

Prerequisite(s) with concurrency: NUR 319

Writing

NUR350 Crit Think & Clin Judgment

Hours 2

This course provides opportunities for students to gain skills and knowledge on advanced clinical problem solving and decision making.

Prerequisite(s): NUR 324 and NUR 326 or permission of Assistant Dean for Undergraduate Programs

NUR357 Health Care in Mexico

Hours 3

The purpose of this Summer Study Abroad course is to expose students in various disciplines to health care across the lifespan in Mexico. The course will focus on Mexican health care concepts, health care delivery, and health policy.

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

NUR373 Standardized Exam Success – Adult Health

Hours 1

This online self-paced course is required for Upper Division nursing students who are unsuccessful on two attempts of the NUR 372: Professional Nursing Practice – Adults HESI standardized specialty exam. This course focuses on correcting knowledge deficits related to the adult patient population. Remediation strategies are designed to assist the student to identify knowledge deficits, synthesize pertinent patient care information, and develop necessary critical thinking and clinical judgment skills to safely and effectively care for an adult patient population. This course will also facilitate the student's preparation for success on future nursing standardized exams.

Prerequisite(s): NUR 372

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

NUR375 Standardized Exam Success – Mental Health

Hours 1

This online self-paced course is required for Upper Division nursing students who are unsuccessful on two attempts of the NUR 374: Professional Nursing Practice – Mental Health HESI standardized specialty exam. This course focuses on correcting knowledge deficits related to the mental health patient population. Remediation strategies are designed to assist the student to identify knowledge deficits, synthesize pertinent patient care information, and develop necessary critical thinking and clinical judgment skills to safely and effectively care for a mental health patient population. This course will also facilitate the student's preparation for success on future nursing standardized exams.

Prerequisite(s): NUR 374

NUR391 Emergency Room Nursing

Hours 3

This elective course focuses on chronic emergent and urgent interventions in actual and potential health problems of adults. Clinical experiences are designed to improved mastery of nursing psychomotor skills.

Prerequisite(s): NUR 372

NUR392 Introduction to Interprofessional Health Teams

Hours 2

This course introduces students to the Core Competencies of Interprofessional Practice including: Values/Ethics for Interprofessional Practice, Roles/Responsibilities, Interprofessional Communication and Teams and Teamwork. The course will include both classroom and online teaching approaches and will culminate with an interactive interprofessional simulation in the school of nursing simulation lab.

Prerequisite(s): NUR 372 and NUR 374 (for nursing students only) First and second years of medical school

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 and NUR 372 and NUR 374

NUR420 Prof Nursing Practice-Children

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 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 328 and NUR 372 and NUR 374

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 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 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 clinical 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 Laboratory).

Prerequisite(s): NUR 319; and NUR 348; and NUR 329; and NUR 449 or with departmental approval

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 critical thinking 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. (Theory and Laboratory).

Prerequisite(s): NUR 319; and NUR 348; and NUR 329; and NUR 449 or departmental approval

NUR471 Prof Nurs Pract Complex Client

Hours 4

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 critical 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.

Prerequisite(s): NUR 418 and NUR 420 and NUR 422

NUR473 Leadership Prof Nursing Practi

Hours 7

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 and NUR 420 and NUR 422

NUR474 Honors Prof Nrsg Practice

UH

Hours 7

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 and NUR 420 and NUR 422

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 420 and NUR 422

NUR479 Indep Study Licensure Prep

Hours 1

This independent study 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 opportunity to use individual and technology-based methods to facilitate critical thinking and problem solving using hypothetical client situations. Students also will complete the licensure application process.

Prerequisite(s): NUR 471 and NUR 473

NUR480 Ind Study: Lic Prep II

Hours 1

This independent study course provides opportunities for students to assess individual knowledge acquisition and to implement strategies to ameliorate deficiencies and maximize learning with faculty assistance.

Prerequisite(s): NUR 479

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 1

The purpose of this course is to orient new social work majors to the School of Social Work (SSW) to promote student academic success. Emphasis is on the advising process and establishing an educational plan, professional etiquette, steps in applying for admission to the professional program, the BSW program's writing proficiency exam, and campus resources.

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.

University Honors

SW110 Values in Society

Hours 3

The major purpose of this course is to examine the nature of our values within the context of the American society. To achieve this purpose, we will explore and examine the history and theories of our culture and the effects of our culture on individual development.

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 pass/fail course assists students with acquiring/improving professional writing skills.

SW320 Volunteer Human Serv Sys

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.

SW345 Traumatic Stress in SW

Hours 3

This course addresses post traumatic stress and secondary traumatic stress. It includes theory, empirical research and social work interventions. The content is provided through a variety of modes to include textbook, articles, videos, movies and lectures.

Prerequisite(s): Good standing in the undergraduate program.

SW351 Oppression & Soc 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. This course has the University Core Curriculum "W" designation. Writing proficiency is required for a passing grade in this course.

Prerequisite(s): At least sophomore-standing or permission of the instructor.

Writing

SW355 Hon Oppression & Soc 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 (SW 351) requirement for all social work majors and social welfare minors who are in the Honors College. 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.

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 within this discipline is required for a passing grade in this 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 Social Welfare Policy and Services Honors*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.

Prerequisite(s): Completion of 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 Devel Soc Envir II

Hours 3

A continuation of SW 410.

Prerequisite(s): SW 410

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.

SW419 International Social Development

Hours 3

This three credit course is designed for undergraduate and graduate students who have interest in international social development. It exposes students to a wide range of development issues, contemporary debates on those issues, and the people involved in those debates.

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): Completion of the statistics requirement with a "C-" or better; 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, ST 250 or ST 260.

University Honors

SW437 Forensic Social Work

Hours 3

This course introduces students to forensic social work, defined by the National Association of Forensic Social Workers as "the application of social work to questions and issues relating to law and legal systems, both criminal and civil."

Prerequisite(s): Junior status or permission of the instructor

SW440 Social Work Practice with Individuals and Families*W*

Hours 3

Provides the student with the opportunity to gain knowledge, understanding, and competence needed for social work practice with individuals and families at the beginning professional level. Writing proficiency within this discipline is required for a passing grade in this course.

Prerequisite(s): SW 100 or 105, 200 or 205, 351 or 355 and admission to the professional program in social work.

Writing

SW441 Social Work Practice with Groups

Hours 3

The student is taught the fundamentals of group process, method, and content, and is prepared for social work practice with groups at the beginning professional level.

Prerequisite(s): SW 351 or SW 355, and SW 440.

SW442 SW Practice with Communities

Hours 3

Prepares students to secure resources for clients in the community setting. Application of problem solving to improving community life.

Prerequisite(s): SW 200 or SW 205 and SW 410, admission to the professional program in social work.

SW443 Seminar in Generalist Practice

Hours 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): SW 401, SW 411, SW 440, SW 441, SW 442

Prerequisite(s) with concurrency: SW 490

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-psychosocial 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): Successful completion of SW 440, SW 401 or SW 405, SW 411, SW 441, SW 442, and admission to the BSW Honors Program.

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): SW 100, SW 200, SW 351, SW 401 and SW 410 and SW 440, SW 411, SW 441, and SW 442

Prerequisite(s) with concurrency: SW 443

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.

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
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 Undergraduate Initiative	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-Based Honors Program	CBH	UH
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	Interdisciplinary Studies	IDGR	GR
Co-op Professional Communications	PCM	CIS	International Business	IBA	CB
Co-op Professional Education	PED	ED	International Honors Program	IHP	UH
Co-op Professional Engineering	PEG	EG	Instructional Leadership	AIL	ED
Co-op Professional HES	PHS	HS	Italian	IT	AS
Co-op Professional Nursing	PNU	NU	Japanese	JA	AS
Co-op Professional Social Work	PSW	SW	Journalism	JN	CIS
Counselor Education	BCE	ED	Kinesiology	KIN	ED
Criminal Justice	CJ	AS	Korean	KOR	AS
Croatian	CROA	AS	Latin	LA	AS
Curriculum and Instruction	CIE	ED	Latin American Studies	LAS	AS
Czech	CZE	AS	Law	LAW	LW
Dance	DN	AS	Legal Studies	LGS	CB
Dutch	DUT	AS	Library and Information Studies	LS	CIS
Economics	EC	AS, CB	Management	MGT	CB
Education Orientation	EDU	ED	Management Information Systems	MIS	CB
Educational Leadership	AEL	ED	Marine Science	MS	AS
Educational Psychology	BEP	ED	Marketing	MKT	CB
Educational Research	BER	ED	Mass Communication	MC	CIS
Electrical and Computer Engineering	ECE	EG	Mathematics	MATH	AS
Elementary Education Programs	CEE	ED	Mechanical Engineering	ME	EG
Engineering Graphics	DR	EG	Metallurgical and Materials Engineering	MTE	EG
English	EN	AS	Military Science	MIL	MIL
English Language Institute	ELI	AS	Modern Greek	MDGR	AS
Exercise and Sport Science	HPES	ED	Modern Languages and Classics	MLC	AS
External Degree Program	EXD	AS	Multiple Abilities Program	MAP	ED
Farsi	FRS	AS	Music Academics	MUS	AS
Finance	FI	CB	Music, Applied	MUA	AS
Fine Arts	FA	AS	Music Education	MUE	ED
Finnish	FIN	AS	New College	NEW	AS
Freshman Learning Community	FLC	AS	Norwegian	NOR	AS
French	FR	AS	Nursing	NUR	NU
General Business Administration	GBA	CB	Operations Management	OM	CB
General Engineering Studies	ENGR	EG	Philosophy	PHL	AS
General Health Studies	HES	HS	Physics	PH	AS
General Studies	GES	AS	Polish	POL	AS
Geography	GY	AS	Political Science	PSC	AS
Geological Sciences	GEO	AS	Portuguese	POR	AS
German	GN	AS	Psychology	PY	AS
Greek	GR	AS	Reading Education	CRD	ED
Health Care Management	HCM	CB	Religious Studies	REL	AS
Health Education	HHE	HS	Restaurant, Hotel and Meetings Management	RHM	HES
Hebrew	HEB	AS	Romance Language(s)	RL	AS
Higher Education	AHE	ED	Russian	RUS	AS
Hindi	HIN	AS	Sanskrit	SAN	AS
History	HY	AS	School Psychology	BSP	ED
History, Philosophy and Sociology of Education	BEF	ED	Secondary Curriculum, Teaching and Learning	CSE	ED
Human Development and Family Studies	HD	HS	Social Work	SW	SW
Human Environmental Sciences	HES	HS	Sociology	SOC	AS
Human Nutrition and Hospitality Management	NHM	HS	Spanish	SP	AS
Indonesian	INDO	AS	Special Education and Multiple Abilities	SPE	ED
Information Sciences	IS	CIS	Statistics	ST	CB

Swahili	SWA	AS
Swedish	SWED	AS
Telecommunication and Film	TCF	CIS
Thai	THAI	AS
Theatre	TH	AS
Turkish	TUR	AS
University Honors Program	UH	UH
Urdu	URDU	AS
Vietnamese	VIET	AS
Women's Studies	WS	AS
World Literature	WL	AS

Division Key

AA	Academic Affairs
AFS	Air Force ROTC
AS	Arts and Sciences
CB	Commerce and Business Administration
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 grade point average, 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 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 post secondary institutions and accepted for credit at The University of Alabama in accordance with the Transfer Credit Policy. 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 used to make 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. (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 grade point average 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 = 2.04 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 best 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. Always consult with your academic adviser for requirements specific to your program of study.
- Certain programs of study calculate GPAs for specific groups of courses that do not follow the calculation method outlined above. Always consult with your academic adviser for requirements specific to your program of study.
- 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 Progression
P	Pass
W	Withdrawn
DO	Dropped Out
NA	Never Attended

Policy on Grading

In 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 grade point average of 4.0 is the highest GPA an undergraduate can receive.

In 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 grade point average. 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:

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 grade

point average. 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 grade point average. 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 grade point average. Use of the pass/fail option is subject to the following regulations:

- The student must be a sophomore, junior or senior with a grade point average 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 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 grade point average of 2.0 or higher in order to use the pass/fail option.

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.

Requests for exceptions to this policy shall be submitted in writing (or email) by the college to the vice provost for academic affairs.

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/contact.

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 your 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. Inclusion on the Dean's List requires a student have a grade point average of at least a 3.5 for a minimum of 12 credit hours earned in a fall, spring or summer semester. All students achieving Dean's List honors will have this accomplishment indicated on their University of Alabama transcript.

Undergraduate students enrolled in the University Scholars Program will have the grade points earned in the approved program-specific, graduate-level courses 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 are published until completion of the deferred examination period for the term (see the Examinations and Reports section of this catalog).

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 University Scholars 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 DegreeWorks 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

Official transcripts are issued by the Office of the University Registrar to recognize institutions and agencies that require these documents. Official transcripts are issued and mailed or sent electronically (PDF) only upon the named student's written request. Transcripts are not issued for persons who have financial obligations to the University. A fee is charged for each transcript and any service enhancements requested.

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. 256)

Examinations and Reports

Final examinations are held at the end of each term. Read more. (p. 258)

Graduation

Degrees are conferred at the close of each fall and spring semester and summer term. Read more. (p. 258)

Majors and Degrees

Degree programs may provide academic, pre-professional or professional experiences and preparation. Read more. (p. 259)

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, 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. 261)

Registration

Prior to registering for classes each term, students may require academic advising using the procedures established by each division. Read more. (p. 261)

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. Read more. (p. 262)

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 section titled College of Engineering Core Curriculum/General Education Requirements listed 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 mid-semester. 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. Six semester hours of one of the following:
 - Six semester hours in courses that are approved for the computer (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). 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 advisers on the basis of placement test scores. Students placed into SP 103 Intensive Review Intro Spanish or intermediate courses (FR 201 Intermediate French, SP 201 Intermediate Spanish) will satisfy this requirement in one semester. **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 and 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 and 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 (L) or history (HI).
6. Eleven semester hours of courses approved for the natural sciences and mathematics (N and 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 Finite Mathematics or higher. A student must complete both the lecture and the lab in order to use either the lecture or the lab to fulfill the natural sciences (N) general studies core curriculum requirement.
7. Pre-professional, 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. The student must consult the general education designations as found in the appropriate section of the schedule of classes booklet to ensure that the general education designation is in effect at the time the course is taken.

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 mid semester. 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. A six-hour discipline 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). A six-hour discipline depth study is required and may be taken in either HU, L, and FA or HI and SB.
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 Calculus I level or higher.
6. Either six hours of foreign language (FL) or computer (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. Pre-professional, 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.

Examinations and Reports

Final examinations are held at the end of each term. The final examination schedule may be found at mybama.ua.edu. 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 (see Incompletes and Failures under the Grades and Grade Points (p. 253) section of this catalog).

At the close of each term, students can access their grades at myBama.

Graduation

Degrees are conferred at the close of each fall and spring semester and summer term. A graduation fee is charged to the student account early in the semester of graduation and is payable to the Office of Student Receivables prior to graduation.

Application for Degree

To graduate, a student must submit an Application for Degree online. Each candidate for graduation is expected to submit an application for degree one term prior to the term of graduation.

All students (except doctoral candidates) who complete degree requirements will receive diplomas following the established graduation dates for those terms. Doctoral candidates will receive their diplomas at the commencement ceremonies held in August, December and May. Undergraduate students completing degree requirements are considered degree candidates at the time of the institution's graduation ceremony.

Graduation Requirements

To be eligible for a baccalaureate degree in any school or college, a student must earn in residence in that school or college 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 completing all degree requirements and plans to complete some or all of those remaining requirements at an institution other than The University of Alabama must seek the approval of his or her dean's office prior to enrolling elsewhere in order to assure compliance with University and divisional residency requirements.

NOTE: Students in the College of Education must seek advisement with their college adviser prior to enrolling at another institution of higher education during their last semester of enrollment 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 grade point average of at least C (2.0 on a 4.0 grading system) for all work attempted; transfer students must also earn grade point averages 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 grade point average 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 the 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 his/her chosen program. For detailed information regarding requirements for a specific degree, please refer to the appropriate section of this catalog.

Independent Study and Extension Classes

In general, the maximum baccalaureate degree credit that may be earned through independent study, extension classes or a combination of the two is 25 percent of the total number of hours required for graduation, subject to the following provisions:

- The credit earned for independent study and extension classes must not conflict with general requirements for graduation.
- A student who plans to earn degree credit by independent study must have this plan approved in advance by the dean of his or her academic division.
- Any student in an undergraduate division of The University of Alabama who lacks one semester's work or less for completion of degree requirements, and whose attendance at the University is interrupted by orders for duty in any of the armed forces, shall be permitted to complete the requirements for graduation by independent study, provided that the credit earned for independent study does not exceed 25 percent of the work required for the degree. Such a student may also choose to complete some or all of the remaining one semester (or less) of work at another accredited institution. The work at another accredited institution may include independent study, night classes, extension classes and/or regular classes in residence. Any work taken under these conditions must be approved in advance by the dean of the school or college awarding the degree.
- Students in the School of Law are not covered by these provisions.

Guidelines for Consideration of Course Substitution Requests

A student is expected to satisfy all University degree requirements in effect when the student first scheduled a class after his/her admission or most recent re-enrollment as a degree candidate. Requirements for a program (such as major, minor, option, honors) are those in effect at the time of the student's admission or most recent re-enrollment into that program.

A student wishing permission to deviate in any way from program requirements must have permission from his/her college of enrollment.

Permission should be obtained prior to enrollment in the substituted course.

- Authority for granting an exception to the core/general education requirements resides exclusively with the Office for Academic Affairs.

The course to be substituted should be in the same area as the required course or in a related area:

- Substitution of a course for a previously failed required course is seldom granted.
- Failure to schedule a required course is not sufficient reason for granting permission for a course substitution.

Student action:

- Contact your divisional student services area for information on how to request a course substitution or exception.
- The University may make changes in policies, procedures, educational offerings and requirements at any time. Please consult an academic adviser within your college of enrollment for more detailed information.
- Approved substitutions for majors, minors and concentrations will be posted to the student's degree audit in DegreeWorks by the student's college following the dean's approval. Approved substitutions for general education requirements will be posted to the student's degree audit by the Office of the University Registrar following approval from the Office of Academic Affairs.

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 less 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.

Important Note #1: 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.

Important Note #2: Currently enrolled students are encouraged to pursue graduate level studies toward an advanced degree through the University Scholars Program in lieu of pursuing a concurrent bachelor's degree.

Students should contact their primary college of residence for additional University Scholars Program information.

A currently enrolled student may earn two different bachelor's degrees (i.e., a B.A. and a B.S.) 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 B.A. if the first degree was a B.S. 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 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 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 towards 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. 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 and be approved by the Office of the Vice Provost for Academic Affairs. Every major will have a Classification of Instructional Program (CIP) code and a unique UA major code attached to it. 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 course work 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 less than 30 hours of course work 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 program is a program in which two departments within a single college or two departments from two different colleges have formally agreed to allow a student to follow a condensed pathway, sharing specific courses pertinent to both majors. This allows the student to complete the two majors in less time than it would take to earn them separately. More specifically, dual majors are predetermined, lock-step programs defined by the two areas of interest and not self-devised. Some overlap of coursework use is allowed. Dual majors must be approved by the Office of Academic Affairs.

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 of the Vice Provost for Academic Affairs. A completed minor is shown on a student's transcript, but not on the diploma.

A minor must comprise a minimum of 18 semester hours of course work 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. 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 of the Vice Provost for Academic Affairs. Only formally approved concentrations will appear in The University of Alabama Undergraduate Catalog. A completed concentration is

shown on a student's transcript, but not the diploma. Some divisions or departments may use a term different from concentration, for example, specialization or track.

A concentration must comprise a minimum of nine semester hours of specialized coursework.

Certificate Program

A certificate program at The University of Alabama complements the undergraduate degree and serves as a way to distinguish/recognize students who concentrate a portion of their course work in a particular area. Students are not eligible to complete these certificate programs without being enrolled in and successfully completing a degree program. In rare instances, there may be people who have completed an appropriate bachelor's degree who may then need to complete a certificate for professional certification purposes — but these types of certificates are rare.

The University of Alabama Undergraduate Catalog contains information about certificate programs. Approved certificates (at all levels) are associated with a CIP code and a UA major. Undergraduate certificates are approved by the Office of the Vice Provost for Academic Affairs. Completion of an approved Certificate Program is reflected on the official transcript as a texted comment but not on the diploma.

NOTE: Some certificate programs are unique to a specific division and are not documented on the transcript. Students who are unsure of whether their certificate will be noted on their transcript should check with the student services office in the division offering the certificate.

A list of Office of the Vice Provost for Academic Affairs approved undergraduate certificate programs follows:

Construction Management Certificate (p. 515)

Global Studies Certificate (p. 286)

Manufacturing Engineering Certificate

Environmental Engineering Certificate (p. 516)

Ethics/Social Responsibility Certificate (p. 579)

Business Analytical Excellence Certificate (p. 578)

Leadership Communication Certificate (p. 462)

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, 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 post graduate students. If the initial bachelor's degree was completed at an institution other than The University of Alabama, courses applied towards the completion of that degree will not be transferred to the University and will not count towards 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. 16).

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:

- Post graduate students must meet all requirements for the second degree to include all course hours, grade point average, ancillary,

prerequisite and residency requirements specified by the degree program.

- If a post graduate 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.
- Post graduate 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 division.

Currently enrolled students normally register in October for spring semester classes and in March for summer term and/or fall semester classes. A schedule for academic advising and for registration can be found at registrar.ua.edu/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/academics/academic-calendars.

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 grade point average of B (3.0 GPA) or higher for all work attempted at The University of Alabama may enroll for more than 18 hours. The maximum load for which a student may enroll in one semester is 21 hours; however, an

academic division may impose additional restrictions on class-hour loads. The following policies also govern the class-hour load during the fall and spring semesters:

- A senior who is on academic warning may enroll for a maximum of 18 credit hours during the semester in which he or she will complete degree requirements.
- A senior who is not on academic warning may enroll for a maximum of 21 credit hours during the semester in which he or she will complete degree requirements.
- The maximum load for which an entering freshman or transfer student may register during the first term at The University of Alabama is 18 hours.

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. 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 grade point average 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 adviser, 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.
12. 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. 262)

Code of Academic Conduct

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. 262)

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. 263)

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. 263)

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 faculty member responsible for the course. This will be explained in the course attendance policy written and distributed by the faculty member. The faculty member is responsible for handling any excuses for absences from his or her class. A student-athlete should go to the Center for Student Athletic Services at rolltide.com/ot/cass.html and read the *Student-Athlete Handbook*.

Code of Academic Conduct

Academic Honor Code

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. At the beginning of each semester and on tests and

projects, at the discretion of the course instructor, each student will be expected to sign an Honor Pledge.

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.*

Academic Misconduct

Academic misconduct includes all acts of dishonesty in any academic or related matter and any knowing or intentional help, attempt to help, or conspiracy to help another student commit an act of academic dishonesty. Academic dishonesty includes, but is not limited to, the following acts, when performed in any type of academic or academically related matter, exercise or activity:

- **Cheating:** Using or attempting to use unauthorized materials, information, study aids or computer-related information.
- **Plagiarism:** Representing the words, data, works, ideas, computer programs or output, or anything not generated in an authorized fashion, as one's own.
- **Fabrication:** Presenting as genuine, any invented or falsified citation or material.
- **Misrepresentation:** Falsifying, altering or misstating the contents of documents or other materials related to academic matters, including schedules, prerequisites and transcripts.

Except in divisions that have an alternate academic misconduct policy that has been approved by the provost/executive vice president for academic affairs, academic misconduct cases shall be resolved by the academic misconduct monitor (appointed by the academic dean) 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.

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 which 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 unless otherwise designated by the dean. Academic misconduct monitors are authorized to impose penalties up to, but not including, suspension. 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 Office of the University Registrar will be notified immediately of the suspension and a hold will be placed on the student's record to prevent further enrollment.

A penalty of indefinite suspension is mandated for a finding of guilt on all second offenses. All second offense accusations are referred directly to the academic dean of the College for resolution. "Second offense accusations" assume resolution of first offenses (i.e., a finding of guilt) and that the student has been afforded the opportunity to learn from the first offense. Multiple misconduct accusations, where the initial accusations have not been resolved, 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 the 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.

The complete Academic Integrity Policy may be found online at studenthandbook.ua.edu/conduct.html.

Records Policy for Students with Uncleared Financial Obligations

Students with Returned Checks

A student who is withdrawn from the University because of 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 permanent record.
- Transcripts will not be released until financial obligations to the University are cleared.
- A student's enrollment will not be confirmed until financial obligation has been resolved.
- When all financial obligations are resolved, the student is again eligible to receive 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 advisers 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/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/her academic progress via DegreeWorks, a degree audit tool.

Administration

The Honorable Robert Bentley

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

Philip Cleveland, Ed.D.

- Interim State Superintendent of Education
- Ex Officio Member of the Board of Trustees

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- Marietta M. Urquhart, Mobile

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- W. Davis Malone III, Dothan

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- Cleophus Thomas Jr., Anniston
- John Russell Thomas, Alexander City

Chancellor

- Robert E. Witt, Tuscaloosa

Officers of the University

- Stuart R. Bell, President
- Kevin Whitaker, Interim Provost
- Lynda Gilbert, Vice President for Financial Affairs
- Carl A. Pinkert, Vice President for Research and Economic Development
- Samory T. Pruitt, Vice President for Community Affairs
- Linda Bonnin, Vice President for Strategic Communications
- David Grady, Vice President for Student Affairs
- Bob Plerce, Vice President for Advancement

Academic Divisions of the University

College of Arts and Sciences (1910)

- Robert F. Olin, Dean

Culverhouse College of Commerce and Business Administration (1919)

- Kay M. Palan, Dean

College of Communication and Information Sciences (1973)

- Mark D. Nelson, Dean

College of Community Health Sciences (1971)

- Richard H. Streiffer, Dean

College of Continuing Studies (1919)

- Craig S. Edelbrock, Dean

College of Education (1909)

- Peter Hlebowitsh, Dean

College of Engineering (1909)

- Charles W. Karr, Dean

Graduate School (1924)

- David A. Francko, Dean

Honors College (2003)

- Shane Sharpe, Dean

College of Human Environmental Sciences (1931)

- Milla Boschung, Dean

School of Law (1872)

- Mark E. Brandon, Dean

Capstone College of Nursing (1976)

- Suzanne S. Prevost, Dean

School of Social Work (1965)

- Vikki Vandiver, 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 and/or SAT performance, high-school grade point average and high school course schedule. The University of Alabama will accept current and redesigned SAT scores for admissions, scholarships and Honors College. 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 \$40.00 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 admission are accepted as early as one year prior to the 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/immunization-policy.

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.

The University of Alabama will accept current and redesigned SAT scores for admissions. 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. 266).

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 section Academic Records and General Academic Policies (p. 22) 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/her placement, he/she 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 Academic tab, in the box titled 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, beginning with 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 Advanced Academic Diploma awarded by Alabama high schools meets all University of Alabama course requirements. The Credit Based diploma awarded by Alabama high schools is accepted; however, students must have the preparatory curriculum minimum requirements as listed.

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 grade point average and high school course schedule. The University of Alabama will accept current and redesigned SAT scores for admissions, scholarships and Honors College. 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 1250 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+' grade point average, at least a 26 ACT or 1170 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 of Alabama 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 or concurrent college 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 at least 510 on the General Educational Development (GED) Test and submit acceptable ACT or SAT scores. The University of Alabama will accept current and redesigned SAT scores for admissions. Applicants 23 years of age and older are required to score at least 510 on the 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 email transcripts are not considered official transcripts.
- Students who have attempted fewer than 24 semester hours (or 36 quarter hours) of collegiate work must also have official copies of their ACT or SAT scores and final high-school transcript submitted directly to the Office of Undergraduate Admissions.
- An average of C (2.0 on a 4.0 scale) or higher for all college-level work attempted is required for admission. College-level work does not include vocational, technical or remedial/developmental course work. Some divisions may set slightly higher admissions standards. Students must be able to return to the last collegiate institution they attended.

Transferring from Two-year Colleges in Alabama

Students transferring from two-year colleges in the Alabama Community College System may contract with The University of Alabama 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

Attendance at an orientation/registration 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 are not required to attend orientation/registration. Distance Learning students should contact Academic Outreach at bamabydistance.ua.edu.

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 grade point average 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 12-14 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 Associate Provost/Executive Director of Undergraduate Admissions 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 Freshman Graduating from Schools Outside the US

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.

For students who attend high school outside of the U.S. the college preparatory requirements for academic admission are:

- 4 units of language
- 4 units of social sciences

- 3 units of mathematics
- 3 units of natural / physical sciences
- 5 additional academic courses (we recommend courses in fine arts, computer literacy, additional mathematics sciences or languages)

GPA will be calculated on ALL coursework, not just core subjects. The University of Alabama considers applicants with a cumulative GPA of 3.0 in 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 TOEFL, IELTS or PTE score 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/>

The University of Alabama requires that all international curriculum transcripts be evaluated by an evaluation agency. Please provide a course-by-course evaluation with GPA calculation. For a list of approved agencies, please visit naces.org.

If a student's high school is accredited in the U.S. and follows a U.S. American or IB curriculum, the student does not have to submit transcript evaluations. Additionally, evaluations are not necessary on IGSCS scores that are sent directly from the testing agency or directly from the high school. 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.

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

Incoming International Freshman Graduation from a US 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 as part of the application process. For more information, please read the Securing an I-20 / DS-2019 page.

International Transfer Students

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.

Please note that technical, remedial, vocational and ESL classes are not accepted.

Applicants with fewer than 24 earned credit hours of university-level coursework will also need to meet the freshman admission requirements as listed above.

Students wishing to transfer to the University from accredited institutions outside the U.S. should have a detailed syllabus sent to The University of Alabama so that evaluations of transfer credit may be completed.

Transfer credit is evaluated by the registrar of the department the student has been admitted into.

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 the University of Alabama. Contact Capstone International Services for questions about this process.

Once admitted, 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.

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/request.html>);
- 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://is.ua.edu/future-new-students/visas-arrival-orientation/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

In order to place non-native speakers of English in appropriate writing courses, incoming international students may be required to take the English Proficiency Placement Exam (EPPE). Results for the EPPE determine whether a student must enroll in either an English Language Institute (ELI) course, or in the Department of English course that suits their demonstrated abilities.

Students do NOT have to take the EPPE if they:

- Are a native speaker of English
- Have a score of at least 18 on both the speaking and writing sections of TOEFL

- Have a score of at least of 6 on speaking and writing sections of the IELTS
- Graduate from a U.S. high school
- Have earned a “C” or better in a university-level composition course level 101 or higher (ESL courses do not qualify). This must be an in-person class, not online.

The English courses prescribed (ELI, EN 120 English Comp I Non-Native Spkr, EN 121 English Comp II Non-Native Spk or a combination of these) must be completed in sequence, beginning with the first semester of the student’s enrollment or when the course is offered at The University of Alabama, and the student must be continuously enrolled in these undergraduate courses until they are successfully completed. This policy applies to all non-native speakers entering The University of Alabama for the first time who do not have credit from a regionally accredited U.S. institution.

Students who have credit for EN 101 English Composition from a regionally accredited U.S. institution but do not have credit for the second EN course in the series at that institution should register for EN 121 English Comp II Non-Native Spk (rather than) at The University of Alabama.

Non-native speakers who have attended and graduate from a high school in the U.S. may choose either the English 120/121 track or the English 101/102 track.

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. 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 work are not used in computing the grade point average. Grades of C or higher earned during previous college attendance are computed as passing hours (P) and may be applied to major program, distribution and graduation requirements. Grades of D earned during previous college attendance may not be applied to major program, distribution or graduation requirements. The student pursues his or her academic program with no University of Alabama or higher education grade point average, and thereafter is subject to the conditions of warning, probation and dismissal that govern all students. Once invoked, Academic Second Opportunity cannot be revoked and it may be awarded only once and may not be awarded retroactively. Students who are awarded Academic Second Opportunity are excluded from candidacy for the Latin honors designations of cum laude, magna cum laude and summa cum laude. These honors may also be referred to as University Honors.

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)

Updated August 6, 2012

The Academic Common Market (ACM) is a tuition scholarship program that allows 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 incoming freshmen, incoming graduate students and incoming transfer students. A student must meet both the SREB qualifications and The University of Alabama qualifications shown below.

Approximately 30 of UA’s degree programs participate in the ACM. The ACM does not include any programs in the College of Commerce and Business Administration (C&BA) or the College of Human Environmental Sciences (HES), both of which once had ACM programs. A student who attends UA not meeting ACM minimum requirements cannot earn an ACM scholarship once here.

General Qualifications of the SREB

- be a resident of one of the 16 SREB states (home.sreb.org/acm/states.aspx)
- select a program for which residents of your home state are eligible
- complete the admission process at the institution offering the eligible ACM program
- be certified as a resident of your home state by contacting the ACM coordinator for your state of residence (home.sreb.org/acm/states.aspx)

UA Qualifications for *First-time* ACM Certification

Undergraduate: The undergraduate ACM is for first-time freshmen or undergraduate students transferring to UA from another university. Students must have at least a 25 ACT composite score or 1130 SAT composite score (math and verbal only) and at least a 3.00 overall high school GPA. UA does not superscore (i.e., does not combine the best math and verbal from multiple test administrations) when considering admissions tests, and taking the optional writing section of the ACT does not have a positive or negative effect on the composite score.

Graduate: The graduate ACM is for first-time graduate students or graduate students transferring to UA from another university. Graduate students must meet all admission requirements and hold a valid admission letter from the Graduate School.

UA Qualifications for *Continuing* ACM Certification

Undergraduate and Graduate: To continue an ACM grant after a student’s first semester receiving ACM support, each undergraduate and graduate UA ACM student must maintain at least a 3.0 overall GPA on all UA

course work attempted. This GPA standard is in addition to the long-standing requirements for maintaining residency in the same state that certified the student initially and staying in the ACM major for which the student was certified by the home state and approved by UA.

How to Apply for the ACM at UA

Complete and submit an application in the “Apply Now” section of UA’s ACM website at graduate.ua.edu/academics/acm.html. (You first must be admitted to the University to do this).

Be certified by your home state as a resident for ACM purposes. The SREB (Southern Regional Education Board) oversees the ACM; visit sreb.org for the contact information for each state’s ACM coordinator. Each ACM applicant must contact his or her state’s ACM coordinator and provide the information needed for that coordinator to certify state residency and send an official certification to UA’s ACM Coordinator.

NOTE: If a student receives a scholarship that pays full tuition or the out-of-state portion of tuition, the student is not also eligible for an ACM scholarship.

If you have any questions about the ACM at UA, please contact jchamber@bama.ua.edu.

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 his/her 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.

Code of Student Conduct

The University of Alabama aspires to transmit knowledge, to develop its students and to promote the quality of society. In seeking these goals, the University recognizes the significance of student rights. These rights include freedom of expression, autonomy, procedural protection and the integrity of people and their property. By ensuring these individual rights, the University fosters an environment conducive to student success and well-being. The Code of Student Conduct fully respects student rights.

Of course, students have obligations as well as rights. As members of an academic community, they must observe rules that benefit their classmates and their University. Students must practice personal integrity. By so doing, they respect the dignity, rights and property of others (both students and all members of the University community). The Code of Student Conduct thus creates an expectation of behavior that the University deems acceptable. By fulfilling these expectations, students can enjoy their own rights while also respecting their classmates’ rights and furthering the University’s goals.

However, the University community, as any other, must have a system to deal with those instances when a member fails to adhere to the expectations of the community. The Code of Student Conduct describes the actions which fail to meet expectations, the process of determining when a failure has occurred and the punishment to be imposed for such failure.

A copy of the Code of Student Conduct can be found here: www.sc.ua.edu/conduct.pdf

Located in 173 Burke East, the Office of Student Development promotes a safe and supportive University community by serving as a resource for students, faculty and staff who may be affected by others’ misconduct. In addition to the administration of the Code of Student Conduct, the office is an advocate for community standards and campus civility through educational programming, mediation and resolution of student disputes and conflicts of non-academic misconduct. For general information and assistance, contact The University of Alabama, Office of Student Conduct, Box 870295, Tuscaloosa, AL 35487-0295; or call (205) 348-8234.

In the event of any conflict, the Code of Student Conduct found at www.sc.ua.edu/conduct.pdf will govern.

Introduction

May 2016

The University of Alabama Fall 2016–Summer 2017 Undergraduate Catalog was produced by the Office of the University Registrar, in conjunction with the Division of Strategic Communications and the Office for Academic Affairs.

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 life-long 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

The University of Alabama complies with applicable laws prohibiting discrimination, including 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 Readjustment Assistance Act, the Age Discrimination Act of 1975, the Americans with Disabilities Act of 1990, the ADA Amendments Act of 2008 and the Genetic Information Nondiscrimination Act of 2008. The University does not discriminate on the basis of genetic information, race, color, religion, national origin, sex, sexual orientation, age, disability or veteran status in admission or access to, or treatment of employment in, its programs and services. Inquiries and concerns regarding this policy may be directed to Ms. Gwendolyn Hood, University Compliance Officer, 171 Rose Administration Building, Box 870300, Tuscaloosa, AL 35487-0300; (205) 348-5855 (voice); (205) 348-5573 (TDD). This notice is available in alternative formats upon request.

The University of Alabama is committed to making its programs and services available to individuals with disabilities and seeks to be responsive to qualified students with disabilities. Enrolled students with disabilities are invited to contact the Office of Disability Services, Box 870185, Tuscaloosa, AL 35487-0185; (205) 348-4285. Those visiting the University for campus tours or special events are encouraged to contact the sponsoring office or department in advance so appropriate provisions may be made.

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 during October and November of 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 Report. It contains crime 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 safety.ua.edu. 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 Department of Public Safety website at

dps.alabama.gov (click on the "National Sex Offender Registry" link). 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: Community Services Division, 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.

NOTE: 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.

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 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. The U.S. Department of Education sends renewal information to prior-year applicants in November. Students are encouraged to apply as soon as possible after January 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 financial aid, there is a March 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 progress toward completion of their degrees within a reasonable period of time. The University's standing committee on financial aid has approved the following standards defining satisfactory 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 completed hours ÷ 32 attempted hours = 81.2 percent completion rate. You meet the measurable progress component of this requirement.
- **Example B:** If you attempted 32 credit hours and successfully completed only 20 of those hours, and either dropped, failed, repeated, received incompletes for or withdrew from the other 12, your completion rate would be as follows: 20 completed hours ÷ 32 attempted hours = 62.5 percent completion rate. You do not meet the measurable progress component of this requirement and, therefore, are not eligible for 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 credit hours x 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 credit hours – 54 transfer hours = 66 x 150 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 credit hours – 98 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 advisers 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 at 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/her UA Alert 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/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. Only undergraduate students pursuing their first bachelor’s degrees are eligible for grants. Five 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 Pell Grant varies depending on eligibility.

Federal Supplemental Educational Opportunity Grant (SEOG)

The Supplemental Educational Opportunity Grant is a federal program based on exceptional financial need and availability of funds. The amount of an SEOG award varies. To be considered, a student must be eligible for a 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.

Student Loans

Student loan programs provide long-term, low-interest loans for students. Student loans must be repaid with interest.

Federal Perkins Loan

The Federal Perkins Loan is based on exceptional financial need, eligibility for the Federal Pell Grant and availability of funds. It has an annual interest rate of 5 percent. Repayment does not begin until nine months after graduation or when a student is no longer enrolled at least half-time. The maximum amount that can be borrowed by a student for each academic year is determined annually and is based on the availability of funds.

William D. Ford Federal Direct Loan Program (Direct Loans)

The University of Alabama participates in the Direct Student Loan program. This means the University receives loan funds directly from the U.S. Department of Education and disburses them to eligible students. Loans disbursed through this program no longer involve private lending institutions such as banks or credit unions. The types of loans disbursed through the program are as follows:

Freshman	\$3,500
Sophomore	\$4,500
Junior/Senior	\$5,500

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:

Dependent Students

Freshman	\$5,500
Sophomore	\$6,500
Junior/Senior	\$7,500

Independent Students

Freshman	\$9,500
Sophomore	\$10,500
Junior/Senior	\$12,500

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. Interest can be added to the principal or paid monthly or quarterly by the borrower. To be considered for the unsubsidized loan, students must apply for federal financial aid.

Maximum annual Federal Direct Unsubsidized Stafford Loan awards are as follows and include any amount received in a subsidized Federal Direct Stafford Loan:

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 estimated resources.

Repayment of principal and interest of PLUS loans begins within 60 days after the loan is disbursed or parent may request a deferment. PLUS loans are disbursed in two installments.

Federal Work-Study Program

The Federal Work-Study Program is a federally funded work program based on financial need and availability of funds. One component of the program is student participation in community service designed to improve the quality of life of a community's residents or to solve particular problems those residents experience.

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 available work-study positions (including community service positions) is made available to students who complete the University's work-study orientation session.

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, like Student Affairs, 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 (for football games, a ticket is needed)
- University Libraries (to check out books)
- University recreation facilities (Student Recreation Center and pool, Student Activity Center at Presidential Village, aquatic center)
- computer labs, Student Health Center, 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.

Through My Action Card online, (actcard.ua.edu) users can access information for both Bama Cash and Dining Dollars, check balances and review transaction history. Through My Action Card online, cardholders may also deposit funds directly to Bama Cash via Visa, MasterCard or Discover cards. Users also may review Meal Plan activity from this site.

The Action Card Office is located in 104 Student Services Center. Office hours are Monday–Friday, 8 a.m. – 5 p.m. Students can reach the office by phone at (205) 348-2288. Follow the office on Facebook at The University of Alabama Action Card Office.

Center for Academic Success

The Center for Academic Success (CAS) provides support designed to improve students' academic performance. Students may obtain program information, use resources or talk with a staff member about services by visiting 101 Osband Hall or by calling (205) 348-5175. The center is open Monday through Thursday from 8 a.m. to 10 p.m. and Friday from 8 a.m. to 4:45 p.m. Visit our website at cas.ua.edu for more information.

Academic Support Services

Learning Enhancement

The CAS maintains a dual-service orientation to advance learning strategies for academically gifted students and to enhance learning strategies for students who need to strengthen academic performance. Learning Services are provided to help students:

- succeed in University of Alabama courses
- improve study techniques
- improve reading proficiencies
- prepare for professional school and graduate school entrance examinations

Independent Study Lab

In the Independent Study Lab (124 Osband Hall), students can use computer programs, videotapes, multimedia programs and other self-paced learning materials. The lab has resources for students who want to improve study skills or performance in language, math, biology, chemistry, physics, statistics or engineering. Videotaped lectures from many math, chemistry, engineering and statistics courses are available in the lab. The lab also provides resources for entrance exam preparation.

Tutorial Assistance Program

The Tutorial Assistance Program provides individualized help with specific classes. There is no charge for this service, and appointments may be made by coming to Osband Hall, calling the center at (205) 348-5175 or visiting cas.ua.edu on the web.

Study Skills Courses

The CAS offers two Study Skills Courses. In NEW 222 (p. 273) Academic Potential, students learn efficient ways to pursue academic activities. BEP 110 Intro Learning Strateg Skills and Skills is a 3-hour course designed to improve learning skills and strategies. In addition, non-credit Study Skills Workshops are offered frequently, covering topics like time management, speed reading, reading comprehension,

vocabulary enhancement, note taking, memory methods, test preparation, test taking and motivation.

CAS also offers BCE 101 Freshman Compass: UA. This course focuses on student success by helping first-year students:

- acquire an orientation to the functions and resources of the University
- adjust to the University environment
- establish relationships through interaction with faculty, advisers and other students
- develop essential academic skills

Students who plan to take entrance examinations for graduate or professional school can review relevant materials in the Independent Study Lab. Additionally, through the Kaplan on Campus Program, UA students can enroll in Kaplan review courses at a reduced cost.

Student Support Services

Student Support Services (SSS) is a comprehensive, federally funded TRIO program that offers academic assistance to qualified undergraduate students at The University of Alabama. The goal of SSS is to increase retention and graduation rates of eligible students through academic assistance, counseling, advising and other forms of individualized support services. SSS participants are helped in determining their specific strengths and weaknesses so that the program can offer the most appropriate assistance for each student.

Key Program Components

Student Support Services participants will:

- receive individualized support services, including academic, career, financial and personal counseling and advising
- receive tutoring in requested subjects when available
- have the option of participating (as a protege or mentor) in a Student Support Services Peer Mentoring Program
- prepare for successful entry into the job market with career planning
- receive a Kaplan Graduate School Entrance Exam Review at no charge
- receive guidance in developing effective graduate school admissions plans
- attend seminars in a variety of areas to strengthen personal, professional and academic competencies
- participate in selected cultural events
- receive tuition waiver on college credit courses offered through SSS, including the following:
 - College Success (GS 111 Academic Skills)
 - College Writing (GS 111 Academic Skills)
 - Professional Development Seminar (GS 111 Academic Skills)
 - MATH 100 Intermediate Algebra (section 099 only)

Criteria for Eligibility

Any undergraduate student who is a citizen or permanent resident of the United States, has been accepted for enrollment at The University of Alabama, has a program-approved academic need¹ for assistance, and meets one or more of the following U.S. Department of Education criteria:

- is a first-generation college student (if you lived with both parents, both parents/guardians did not graduate from a four-year college or university; if you lived with only one parent, that parent did not graduate from a four-year college or university)

- is eligible for financial aid at a level established by the U.S. Department of Education
- is a student with a documented disability (physical or learning)

¹ Academic need, as defined for purposes of Student Support Services, includes any one or more of the following:

- high school GPA of 2.50 or below
- ACT score of 20 or below (composite score or any one subtest)
- SAT verbal score of 460 or below (total score)
- SAT math subscore of 460 or below
- placement in MATH 005 Introductory Algebra, MATH 100 Intermediate Algebra or EN 099
- college cumulative GPA of 2.0 to 2.25
- semester GPA of 2.0 or below
- failing grades in one or more courses
- returning adult student (five or more years since last attended school)
- in danger of losing scholarship award
- enrollment in highly demanding and stressful courses of study, including engineering, nursing, math-based business and pre-med

Becoming a Participant

A student may apply to become a participant in the SSS program at any point in his or her undergraduate career (freshman to senior) and at any point in the semester. Applications will be reviewed at the beginning of each semester. If a student is deemed eligible to receive services and space is available in the program, he or she will be admitted. For an application or for more information, contact The University of Alabama, Student Support Services, 225 Osband Hall, Box 870304, Tuscaloosa, AL 35487-0304; (205) 348-7087; fax (205) 348-5585; cas.ua.edu/sss.

Disability Services

The Office of Disability Services (ODS) is the central contact point for University students with disabilities. The goal of ODS is to ensure that University programs and services are accessible to qualified students with disabilities. ODS works with faculty and other members of the University community to provide individualized academic accommodations and support services while promoting student responsibility and self-advocacy. It is the student's responsibility to make known a need for academic accommodations and services by providing appropriate documentation of the disability to ODS, formally requesting accommodations through meeting with an ODS case manager, and by presenting an official ODS accommodation letter to each of his or her professors.

For more information about services for students with disabilities, visit ods.ua.edu or call (205) 348-4285 (voice) or (205) 348-3081 (TTY). Documentation can be mailed to: Office of Disability Services University of Alabama 1000 Houser Hall Box 870185 Tuscaloosa, AL 35487-0185. ODS is located in Suite 1000 Houser Hall, 301 7th Avenue.

International Services

International Services, located within the Capstone International Center of The University of Alabama, provides specialized services for international students, professors, research scholars, visitors and their families. International 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 according to Department of Homeland Security regulations.

Great emphasis is placed on international student programming. International Services coordinates a wide variety of student activities,

such as a weekly international coffee hour, an annual international education week and an annual "Welcome" reception for international students at the President's Mansion.

Professional staff members advise and assist the International Student Association, which represents all international students and the many nationality organizations on campus. Professional staff work closely with community groups such as the Rotary Club of Tuscaloosa, which sponsors the Rotary International Student Center — an on-campus residence for male and female students and a gathering place that fosters international friendships. Tuscaloosa's International Friends (TIF) sponsors a friendship family program for international students.

International Services may be contacted by telephone at (205) 348-5402; by fax at (205) 348-5406; 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.

Severe Weather Guidelines

The guiding principle at The University of Alabama is to promote the personal safety of our students, faculty and staff during severe weather events. It is impossible to develop policies which anticipate every weather-related emergency. These guidelines are intended to provide additional assistance for responding to severe weather on campus.

UA is a residential campus with many students living on or near campus. In general, classes will remain in session until the National Weather Service issues safety warnings for the city of Tuscaloosa. Clearly, some students and faculty commute from adjacent counties. These counties may experience weather related problems not encountered in Tuscaloosa. Individuals should follow the advice of the National Weather Service for that area, taking the necessary precautions to ensure personal safety. Whenever the National Weather Service and the Emergency Management Agency issue a warning, people in the path of the storm (tornado or severe thunderstorm) should take immediate life saving actions.

When West Alabama is under a severe weather advisory, conditions can change rapidly. It is imperative to get to a place where you can receive information from the National Weather Service and to follow the instructions provided. Personal safety should dictate the actions that faculty, staff and students take.

The Division of Strategic Communications will disseminate the latest information regarding conditions on campus in the following ways:

- Weather advisory posted on the UA homepage
- Weather advisory sent out through UA Alerts to faculty, staff and students
- Weather advisory broadcast over WVUA at 90.7 FM
- Weather advisory broadcast over Alabama Public Radio (WUAL) at 91.5 FM
- Weather advisory broadcast over WVUA-TV/WUOA-TV, and on the website at <http://wvua23.com/weather>.

In the case of a tornado warning (tornado has been sighted or detected by radar; sirens activated), all University activities are automatically suspended, including all classes and laboratories. If you are in a building, please move immediately to the lowest level and toward the center of the building away from windows (interior classrooms, offices, or corridors) and remain there until the tornado warning has expired. Classes in session when the tornado warning is issued can resume immediately after the warning has expired at the discretion of the instructor. Classes

that have not yet begun will resume 30 minutes after the tornado warning has expired provided at least half of the class period remains.

Student Affairs

The Division of Student Affairs maximizes each UA student's learning experiences. Student Affairs staff create intentional programs, services, and environments that promote student learning, development and well-being in an inclusive community that encourages students to be informed and engaged students.

Career Center

The Career Center is a vital part of the University community. Students do not necessarily need to select a major when they are freshmen, but they need to begin exploring academic majors and career options that can be available to them. Even students considering pursuing graduate or professional education when they complete college should discuss career and graduate school options with a career consultant. Students should visit the Career Center or one of the satellite offices during their first semester at the University. The Main Office is located at 3400 Ferguson Center. Satellite offices are located in 190 Reese Phifer Hall, 249 Bidgood Hall, and 1004 Beville Hall. The Career Center offers a comprehensive range of career development services and employment opportunities. All Career Center offices are open Monday through Friday from 8 a.m. to 5 p.m., and there is 24/7 online access to job postings, resume referrals and on-campus recruiting through Crimson Careers. To schedule an appointment or for more information, call (205) 348-5848. Specific information on services is available at career.sa.ua.edu.

Center for Service and Leadership

The Center for Service and Leadership 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 Center. For more information, call (205) 348-2865 or visit volunteer.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 1000 South Lawn Office Building. For information and assistance, call (205) 348-3863 or visit counseling.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 Affairs 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 Affairs 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 Fraternity and Sorority Life, the Office of Student Conduct, Campus Ministries, Graduate Student Services, 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 or visit dos.ua.edu.

Ferguson Student Center

The University Union supports, supplements and complements the overall academic, research and service mission of The University of Alabama by offering a variety of high-quality services, collaborative programming and leisure-time activities.

The University Union's Ferguson Center serves as the center of the campus community and is open more than 340 days per year, seven days per week and at least 15 hours per day to serve the needs of the campus community. The Ferguson Center is the site of many University offices, including the Career Center and the Community Service Center, as well as other offices dedicated to serving students.

Conference and meeting room reservations for the Ferguson Center, Student Services Center and Ferguson Plaza are also made through the Ferguson Center Reservations and Event Planning Office. For more information and to access the Online Room Reservation Form, please visit ferguson.ua.edu or call (205) 348-2827.

First Year Experience

First Year Experience (FYE) is committed to supporting first year students' academic and social transition to The University of Alabama. A first-year student is any undergraduate student attending the University for the first time, and FYE provides support, resources and programs for freshmen and transfer students. FYE helps first-year students understand expectations associated with being a member of the UA family and educate them about support services on campus. To find out more about First Year Experience, call (205) 348-8404 or visit fye.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 housing.ua.edu.

Parent Programs

The Office of Parent Programs supports the successful academic and social transition of new students into The University of Alabama community, as well as promotes continuous relationships among our students' parents, families and the University. Parents of students can also 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 programs, including Family Weekend in the fall, call (800) 392-2777 or visit parents.ua.edu.

Student Involvement

The mission of the Office of Student Involvement is to connect every student to the groups and activities that best fit their goals and foster his/her interests. The Office of Student Involvement is located in 3610 Ferguson Center. To find out more about the many ways to get involved on campus, visit studentinvolvement.ua.edu or call (205) 348-6114.

Student Media

The Office of Student Media provides UA students with direct, hands-on, real-life experience, preparing them for careers and success after graduation. Student Media offers out-of-classroom opportunities through *The Crimson White*, a print and an online newspaper; WVUA, a non-commercial radio station at 90.7 FM; Marr's Field Journal, an undergraduate literary/art journal; Black Warrior Review, a graduate-level national literary journal; Southern Historian, a graduate-level research journal; *Alice*, a lifestyle magazine for young women; and a Digital Media unit that develops content and services for the web. For more information, visit osm.ua.edu or call (205) 348-7257.

University Recreation

University Recreation conducts sports and fitness 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 informal (open) recreation. Facilities available include the ultramodern, award-winning Student Recreation Center, University Aquatic Center, the Student Activity Center at Presidential Village, outdoor fields complex, outdoor pool complex and tennis courts. For more information on these facilities and programs, call (205) 348-3994 or visit urec.ua.edu.

Women and Gender Resource Center

The mission of the Women and Gender Resource Center 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 with counseling and advocacy services when dealing with issues of dating violence, sexual assault, childhood abuse or stalking. There are opportunities to get involved through ongoing programs, such as the Young Women Leaders program (YWLP); the Young Men's Leadership Program; the Safe Sisters Peer Education Program, and many more programs and initiatives. Additionally, there are opportunities to be involved with special events and programming, such as the Brown Bag Lunch Series, book clubs, conferences and awareness event activities. The WGRC is located in 2000 South Lawn Office Building and is open Monday – Friday from 8:00-5:00. The on-call advocate is available 24/7, even during school holidays.. For additional information about programs and services, contact the Women and Gender Resource Center at (205) 348-5040 or visit wrc.ua.edu.

Student Health Center

The University of Alabama provides comprehensive, high-quality and easily accessible health care for its students through the University of Alabama Student Health Center (UASHC). Located at the corner of University Boulevard and 5th Avenue East, next to the University Medical Center, the UASHC is accredited by the Accreditation Association for Ambulatory Health Care (AAAHC). The UASHC can meet most, though

not all, medical needs of University of Alabama students. For more information, call (205) 348-6262 or visit cchs.ua.edu/shc.

Transportation and Parking Services

Campus parking maps, along with campus parking rules and regulations, are available at the Transportation Services offices located at 103 Student Services Center or online at bamaparking.ua.edu.

UA Police Department

For information on University Police services and personal safety information, consult the Safer Living Guide available at the main desk of the UA Police Department, UA residential dorms, UA Libraries and at businesses surrounding the UA campus, or visit the website at police.ua.edu. The UA Annual Campus Security Report, containing crime statistics and crime prevention policies and procedures, is available online at safety.ua.edu.

University Libraries

With access to more than 4.3 million print and electronic resources, University Libraries, a system of five separate discipline-related libraries, provides both traditional print collections and cutting-edge technology. All library buildings offer a fully computer-networked environment providing enhanced access to electronic information sources. In addition, a wireless network facilitates students' use of laptop computers.

As research has become increasingly interdisciplinary in nature, students may find collections of importance in more than one library.

The University Libraries' website, lib.ua.edu, available 24/7 from any computer, provides all library users with access to integrated collections, services and information resources. Currently, the University Libraries system provides access to 151,327 full text print and electronic journals. In addition, more than 400 databases, including indexes, abstracts and other reference resources, are linked from the Libraries' website. The collection of electronic books continues to grow with 1.2 million e-books in all disciplines.

The Libraries' catalog, containing records for more than 4 million items in all formats (print, microfilm, archival and serials), can also be accessed via the Libraries' website. Links to books and electronic materials on reserve, Interlibrary Loan services and other self-initiated services, like renewing books and requesting materials from the Libraries' Annex, are also available. Faculty and students also have access to research collections encompassing more than 1 million titles from the Center for Research Libraries (CRL) via Interlibrary Loan.

In 2013, the Libraries joined HathiTrust, a partnership of major research institutions around the world. By participating in HathiTrust, the Libraries now has access to more than 6.8 million digitized book titles and 13.8 million total volumes as well as a research center available to scholars.

The University Libraries system offers academic software to support student assignments and class projects. Software is upgraded and added annually. Students can find locations of the current programs available on library computers by accessing the Libraries' website.

Subject specialists work closely with students and faculty to assist them in ordering or locating materials and in advising students and faculty who need specialized assistance with research projects. A list of subject specialists is available on the Libraries' website. **Reference services are available in person, over the phone and online through the Ask-a-Librarian service.** University Libraries also provides services for users with disabilities.

Amelia Gayle Gorgas Library

Amelia Gayle Gorgas Library, located on the Quad, contains the social sciences and arts and humanities collection, and features a state-of-the-art **Learning Commons**. Located on the first floor are the **Music Library** and the **Digital Humanities Center**. Reference assistance is also available on the first floor and online. For students needing digital media for class projects or individual papers, expert assistance is provided in the **Sanford Media Center** located on the second floor. Group study rooms can also be found on the second floor of the building. The **Writing Center** provides services in Gorgas Library.

The 2010 acquisition of the **A.S. Williams III Americana Collection**, located on the third floor, brings to Gorgas Library an additional 20,000 volumes, more than 15,000 photographs, hundreds of maps, an extensive collection of manuscripts, and historical documents as well as numerous other artifacts. The book collection published between the late 17th century and 2009 pertains to the US presidents and the history and culture of the South. The Civil War is particularly well represented with approximately 6,000 volumes, published from the earliest days of Secession to the present, reflecting the observations and opinions of the Union, the Confederacy, European visitors during the War, veterans and subsequent generations of scholars. Unpublished portions of the collection contain archival materials ranging from 19th-century letters, diaries and newspapers to business records and a wide variety of documents recording the American experience of both the famous and the unknown from the mid-18th century to the Great Depression. Particularly noteworthy are photographs of the South taken between the 1850s and the mid-1930s.

Angelo Bruno Business Library

Angelo Bruno Business Library serves the business information needs of the campus and in particular the students and faculty of the Culverhouse College of Commerce and the Manderson Graduate School of Business. The library also houses the College's **Sloan Y. Bashinsky Sr. Computer Center**. Combining business library services and business computer laboratory services in the same facility provides seamless access to information services for business students.

Bruno Library's resources comprise a wide variety of online computer databases and more than 190,000 volumes, including hundreds of business periodicals. Library faculty and staff offer users specialized information assistance and services and individual and class instruction in library research and effective use of library databases. Special features include an electronic library instruction classroom and several types of seating and study accommodations, including group study rooms for collaborative assignments. 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 faculty, students 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 level; reference and periodical areas and public computer areas on the main floor; and study rooms, two presentation practice rooms and a computer lab on the third floor. The main collection of the library is made up of professional books related to education (including sports and physical education). A reference collection is on the main floor. The School Library collection contains approximately 20,000 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 CDs, DVDs, videos, kits, games and other items. McLure is located on University Boulevard.

Rodgers Library for Science and Engineering

Rodgers Library for Science and Engineering serves students and faculty in the sciences, engineering and nursing programs. Rodgers is the first departmental library built with the intent of taking maximum advantage of computer-based information systems for teaching and research. Rodgers Library offers a 3D studio and other Makerspace resources, seven group study rooms and equipment and special spaces for students to prepare, practice and record presentations. Rodgers Library is open 24 hours daily from Sunday through Thursday, 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.

W. S. Hoole Special Collections Library

W. S. Hoole Special Collections Library contains materials related to Alabama and the Deep South (including manuscripts, rare editions, Confederate imprints, pamphlets, maps, archives of the University, and Alabama state publications). Digital collections from Hoole Library are linked on Hoole's home page. The library is located on the second floor of Mary Harmon Bryant Hall on Hackberry Lane.

Additional Libraries

Under separate administration are the **Health Sciences Library** in the University Medical Center, the **Bounds Law Library** in the Law Center and the **Map Library** in Farrah Hall.

The University of Alabama has an academic membership in the Association of Research Libraries, a selective group of institutions emphasizing research and graduate instruction at the doctoral level and supporting large, comprehensive collections of library materials. The University Libraries system also holds memberships in the Center for Research Libraries, the Association of Southeastern Research Libraries, the Southeastern Library Network, the Coalition for Networked Information and the Network of Alabama Academic Libraries.

Writing Center

The University of Alabama Writing Center, a free consultation service available to all UA students, provides assistance with writing assignments in most academic disciplines. Staffed by graduate students, the Writing Center helps students improve their writing relative to specific assignments and apply newly learned skills to future writing tasks. The Writing Center is located in 322 Lloyd Hall. Appointments are encouraged; walk-ins are welcome. Visit writingcenter.ua.edu for complete details.

Tuition and Other Expenses

For an estimated cost of attendance for the current year, including annual tuition costs, visit cost.ua.edu or contact The University of Alabama, Office of Student Receivables, 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 cost.ua.edu; contact The University of Alabama, Office of Student Receivables, 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 cost.ua.edu/college_coursefees.html.

Full- and Part-Time Tuition Rate Basis

An undergraduate full-time tuition flat rate is charged for enrollments of 12 to 16 hours for a fall or a spring semester. An overload fee is charged for each hour in excess of 16. For full-time and per-hour overload tuition rates for the current year, visit cost.ua.edu; contact the Office of Student Receivables, Box 870120, Tuscaloosa, AL 35487-0120; or call (205) 348-5350.

Part-time tuition rates are charged for hours of enrollment fewer than 12. For part-time tuition rates for the current year, visit cost.ua.edu.

Summer Term Tuition Rates

For summer tuition rates for the current year, visit cost.ua.edu; contact the Office of Student Receivables, Box 870120, Tuscaloosa, AL 35487-0120; or call (205) 348-5350. The main office is located in 105 Student Services Center.

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 reslife.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 on the first floor of Mary Burke Hall East.

Meal Plans

Bama Dining offers several meal plan options. For details and rates, visit the Bama Dining website at bamadining.com; 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 133 Burke Hall East.

Dining Dollars

All undergraduates are billed for Dining Dollars along with other registration charges upon enrollment of nine or more hours. For current rates, visit cost.ua.edu. A Dining Dollars account is set up automatically on each student's Action Card. Dining Dollars can be used to purchase meals and snacks from all Bama Dining locations, selected campus vending machines and selected off-campus dining facilities. For complete information on Dining Dollars, visit the Action Card website at actcard.ua.edu; contact The University of Alabama, Action Card Office, Box 870355, Tuscaloosa, AL 35487-0355; or call (205) 348-2288 or toll free 1-800-474-ACTT (2288). The main office is located in 104 Student Services Center.

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 103 Student Services Center.

Personal Expenses

In addition to the costs listed on the estimated student budget at cost.ua.edu, personal expenses, which will vary from student to student, should be considered. Student Financial Aid makes financial aid awards based on an estimated on-campus budget (including personal expenses). For the current estimated annual financial aid budget, visit the Financial Aid website at financialaid.ua.edu; contact The University of Alabama, Office of Student Financial Aid, Box 870162, Tuscaloosa, AL 35487-0162; or call (205) 348-6756. The main office is located in 106 Student Services Center.

Payment Confirmation Policies and Deadlines

Making payment for tuition, college/course fees, dorm room, Dining Dollars, meal plan and parking decal charges is a part of the registration process known as "confirming your schedule." Payment or payment plan participation is required before each semester's registration is complete (confirmed). All prior semester charges must be paid before the student's enrollment will be confirmed for a subsequent semester.

Students will be notified via myBama email when to access their student account through myBama to see each billing period's activity. No paper bills will be mailed. Payment/confirmation deadlines will be included in the email. These notices will occur in late July for the fall semester, late November for the spring semester and late April for the summer term.

For current billing dates and payment/confirmation dates, see Registration & Monthly Bill Schedule under studentreceivables.ua.edu.

Schedule Payment/Confirmation

The student may confirm his or her schedule online when paying the specified payment in full or the deferment plan amount after selecting "Confirm/Pay" on the Account Summary By Term. The Office of Student Receivables will confirm schedules for payments received through the mail, on the telephone or made in person for the specified payment in full or for the deferment plan amounts.

Payments may be made online after logging onto your myBama account, by credit card (Visa, MasterCard, Discover) and electronic check; through the mail by check or credit card mailed to The University of Alabama, Office of Student Receivables, Box 870120, Tuscaloosa, AL 35487-0120; by telephone at (205) 348-4470 with a credit card; or in person at the Office of Student Receivables, 105 Student Services Center, by cash, check or credit card (Visa, MasterCard or Discover).

Other forms of payment include: financial aid and/or scholarships disbursed or authorized (reflected on the student's account); sponsoring agency contracts; tuition assistance from various private, federal and state funds; the Alabama P.A.C.T. program; tuition assistantships; or University faculty/staff or departmental grants. If all or a portion of a student's registration expenses are to be paid by some type of financial aid or by a sponsoring agency and the student's account does not reflect this actual or projected transaction, it is the student's responsibility to provide written evidence of this support to the Office of Student Receivables.

Automatic Schedule Confirmation/Not Attending Cancellation

The student's schedule will automatically be confirmed after the confirmation/payment deadline if the student has sufficient payment from authorized or actual credits (e.g., financial aid, scholarships, third party contracts, etc.) reflected on the account to pay all registration costs. Thus, if the student will not be attending, it will be necessary for the student to indicate this on his or her myBama student account no later than the confirmation/cancellation deadline date. The myBama student account also has an option of indicating that the student will be attending, thus confirming the schedule at an earlier point. Once the schedule has been confirmed, the student will be liable for charges incurred and must officially withdraw through the office of the University Registrar.

Parent/Guest Accounts

A student may allow a parent or other individual to view his or her financial student account and to conduct business (e.g., make a payment, elect deferment plan option, confirm the schedule) on the student's behalf. The student will assign a user ID and password, through his/her myBama account, to allow this access and will need to give this information to the individual(s) authorized by the student. It is still the student's responsibility to make sure that the schedule has been confirmed by the deadline and that payments are made throughout the semester by payment deadlines.

BAMA Plan Installment Payment Option

The University of Alabama offers a way to pay basic annual (fall and spring semesters) University expenses (tuition, residence hall, Dining Dollars, campus meal plan charges and parking decal costs) in 10 manageable monthly installments through BAMA Plan, Bama's Affordable Monthly Alternative. There are no interest charges, only a \$55 annual participation fee for BAMA Plan convenience.

With BAMA Plan, monthly payments can be deducted automatically from a checking account, eliminating the need to write and mail checks every few weeks and ensuring that payments are received on time. Direct billing for each BAMA Plan monthly payment is an option also. The first payment is due June 5 for those who apply on-time for BAMA Plan. Late application is possible through July 5 with a larger initial payment. Summer term charges are not eligible for BAMA Plan. For more information and a BAMA Plan application, visit studentreceivables.ua.edu/bamaplan.html.

Deferment Plan Option

Students who meet the following eligibility requirements may defer up to one-half of the current semester charges for tuition, college/course fees, residence hall charges, Dining Dollars, meal plans and parking decal. To be eligible, students must pay any prior semester balance and at least half of the registration charges at the time the deferment option is elected. BAMA Plan participants are not eligible for the deferment plan. All eligible students will automatically see the required payment amounts for the deferment plan election and the payment in full option when confirming their schedule. It is not necessary to sign up in advance for the deferment plan.

The required payment can be made by cash, check, money order, electronic web check, credit card (VISA, MasterCard or Discover), financial aid applied to the student's account, faculty/staff or graduate-student grants, sponsoring agency contracts or anticipated financial aid verified by the Office of Student Financial Aid. The deferred amount

plus a deferment fee, currently \$30.00, is payable by the midpoint of the semester.

Other Financial Payment Policies

Continuing students who register for courses after the confirmation deadline will be charged a \$25.00 late-registration fee. All charges collected during the registration process are subject to correction for errors in calculation to ensure that correct amounts are collected as required by the board of trustees and current policies of the University.

Payment of registration charges with a check that is subsequently returned from the bank unpaid will result in an additional late-registration fee and a returned-check fee. Failure to clear a returned check taken in payment for registration charges will result in administrative withdrawal from classes. Once this action is taken, the student cannot be reinstated for the semester and will owe the prorated portion of the charges for tuition and housing as specified in the Withdrawal from the University (p. 281) section of this catalog.

Financial aid (other than work-study) is applied to a student's account in payment of institutional charges. No refund will be made on applied aid unless the student's account reflects a credit balance.

Miscellaneous Expenses and Payment

Miscellaneous expenses such as library fines, parking fines and student health center charges are applied to your student account throughout the term. Students will need to access their student accounts at myBama to view additional charges incurred during the course of the semester and the due dates to prevent late payment charges from applying. Email reminders will be sent to the student's myBama account for each billing cycle.

For a list of other enrollment costs and current fee amounts, visit cost.ua.edu.

Delinquent Accounts

In the event of a past-due balance of any nature on the student's account, diplomas will not be issued, enrollment for subsequent terms will not be allowed, college credits will not be transferred and transcripts of college credits will not be released until the balance is paid in full.

Failure to meet financial obligations of any kind to the University could subject the student to eviction from University housing; suspension of future services; referral of the student's delinquent account to a collection agency; reporting to credit bureaus; and the assessment of additional late-payment charges, transcript hold fees, attorney's fees, and other costs and charges necessary for the collection of any amount not paid when due.

Offset of Funds

If a student's University account has an outstanding balance and the University has in its possession any funds payable to the student (from payments or credits applied to the student's account, payroll checks and/or any other source), the University reserves the right to withhold the funds necessary to clear the student's outstanding balance and to cover any collection costs incurred. Once those amounts are paid, any remaining funds are paid to the student.

For more information, contact The University of Alabama, Office of Student Receivables, Box 870120, Tuscaloosa, AL 35487-0120; call (205) 348-5350; or email receivables@fa.ua.edu. The Office of Student Receivables is located in 105 Student Services Center.

Withdrawal from the University

It is the student's responsibility to withdraw officially from the University or from an individual course in accordance with University regulations. See the Office of the University Registrar and General Academic Policies section of this catalog for instructions.

Tuition charges are reduced following withdrawal from all classes in an enrollment period at a rate based on the date the student initiates the withdrawal process with the Office of the University Registrar, as reflected in the Proration of Tuition section of this catalog. Exceptions to the withdrawal initiated date policy include medical withdrawals from all classes and withdrawals from all classes due to involuntary military induction. Proration for medical withdrawal is based on the withdrawal effective date determined by the director of The University of Alabama Student Health Center. Withdrawal due to involuntary military induction (supported by a valid military induction notice) will result in removal of all tuition charges. For dropping an individual course, proration is determined by the date the student initiates the action.

Enrollment periods are the fall semester, spring semester or summer term. The summer term includes several different sessions: a three-week Interim session and two five-week summer sessions. If a student who has completed or will complete any course enrollment for the summer term wishes to drop classes for a specific session, this will be considered a course drop rather than a withdrawal since the student is still enrolled in the summer term.

Students who receive federal financial aid and subsequently withdraw from all classes before completing the enrollment period are subject to full or partial federal aid cancellation and may be required to repay any funds received. See the Impact of Withdrawal on Students Receiving Federal Financial Aid section of this catalog.

Students suspended from school for disciplinary reasons have no right to refunds of any tuition paid or to the cancellation of amounts due.

Students are responsible for clearing any outstanding balances on their accounts before leaving campus. Refunds upon withdrawal from all courses will not be issued for three weeks to allow time for all necessary adjustments to be made to the student's account.

Students are not entitled to refunds or cancellation of amounts due for residence hall contracts unless they withdraw from all classes. See the Proration of Housing Charges section of this catalog.

Refunds of housing deposits are issued upon authorization of Residential Life if the student has a clear account balance.

Refunds of ROTC deposits are issued upon authorization of the ROTC supply officer if the student has a clear account balance.

No refunds will be made to a student who has an outstanding balance on his or her account.

Proration of Tuition Charges

Withdrawal or dropping of courses during the semester may result in an increased hourly cost for the remaining hours. Tuition charges are based on the remaining hours plus a percent of the hours dropped, as determined by the date the withdrawal is initiated or the course(s) dropped. For example, dropping from 14 hours to 6 hours during the 25% cost period, will adjust the tuition to the cost of taking 8 hours, i.e., 6 remaining hours plus 2 hours (8 dropped hours x 25% = 2 hours). For current proration dates, visit studentreceivables.ua.edu/withdrawal.html.

Traditional Courses

These are term-based courses with a set start and end date.

Fall or Spring Semester	Cost Incurred
Registration through eighth day of semester	Registration fee charge only
Ninth day through fourth week	Cost of the remaining enrolled hours plus 25 percent of the dropped hours
Fifth through seventh week	Cost of the remaining enrolled hours plus 50 percent of the dropped hours
Eighth week on	No adjustment in the original charge

Summer Term Interim Session	Cost Incurred
Registration through second class day	No charge
Third class day on	No adjustment in the original charge

First or Second Summer Semester	Cost Incurred
Registration through second class day	Registration fee charge only
Third class day through third week	Cost of the remaining enrolled hours plus 50 percent of the dropped hours
Fourth week on	No adjustment in the original charge

Full (Dual) Session Courses ¹	Cost Incurred
Registration through second class day	Registration fee charge only
Third class day through fourth week	Cost of the remaining enrolled hours plus 50 percent of the dropped hours
Fifth week on	No adjustment in the original charge

¹ Full (dual) session courses extend over first and second summer sessions.

Non-Traditional Courses/Open Learning Courses

These courses are not term-based and have variable starting and ending dates.

Print-based Independent Study and Online Courses	Cost Incurred
Start date through 30 days	No charge
31 days through 60 days	50 percent charge
61 days on	No adjustment in the original charge

External Degree Courses	Cost Incurred
Start date through 30 days	No charge
31 days on	No adjustment in the original charge

Proration of Housing Charges

The following proration of housing charges goes into effect in the event of withdrawal from all classes. Students must contact Housing and Residential Communities upon withdrawal.

For more detailed information, contact the Office of Housing and Residential Communities, Box 870399, Tuscaloosa, AL 35487-0399; located on the first floor of Mary Burke Hall East; call (205) 348-6676 or toll free (888) 498-2262; or online at reslife.ua.edu. For current proration dates, visit studentreceivables.ua.edu/withdrawal.html.

Fall or Spring Semester	Cost Incurred
Registration through eighth day of semester	No charge
Ninth day of semester through fourth week	25 percent charge
Fifth through seventh week	50 percent charge
Eighth week on	100 percent charge
Summer Term Interim Session	Cost Incurred
Registration through second class day	No charge
Third class day on	100 percent charge
First or Second Summer Semester	Cost Incurred
Registration through second class day	No charge
Third class day through third week	50 percent charge
Fourth week on	100 percent charge
Full (Dual) Session Courses¹	Cost Incurred
Registration through second class day	No charge
Third class day through fourth week	50 percent charge
Fifth week on	100 percent charge

¹ Full (dual) session courses extend over first and second summer sessions.

Impact of Withdrawal on Students Receiving Federal Financial Aid

In addition to the financial impact on institutional costs and charges noted earlier in this section related to withdrawal from all classes in an enrollment period, student recipients of federal Title IV aid (Federal Pell Grants, Federal Perkins Loans, Federal Direct Loans, Federal Supplemental Educational Opportunity Grants, National Smart Grants, Federal Teach Grants, Alabama Academic Competitiveness Grants and Alabama State Grants) are subject to additional rules and regulations, which may result in cancellation or reduction of federal Title IV aid upon withdrawal from classes in an enrollment period.

Although federal aid is normally disbursed at the beginning of an enrollment period, this aid is earned as the student attends classes throughout the period. The difference in awarded and earned aid at the point of withdrawal may result in the need to return unearned aid.

Reductions in aid associated with the institutional cost portion (tuition, residence hall charges, college/course fees) resulting from withdrawal from all classes for the enrollment period will be returned to each source of aid/scholarship received by the student, up to the total amount received from each source, in the following order:

1. Federal Direct Loan(s), Unsubsidized
2. Federal Direct Loan(s), Subsidized
3. Federal Perkins Loan
4. Federal Direct Loan(s), PLUS
5. Federal Pell Grant
6. Federal SEOG Grant
7. other aid or scholarships

Any remaining credit, after these cancellations have occurred, will be returned to the student (net of any charges remaining on the student account).

In some circumstances, withdrawal may result in the student assuming the liability for the payment of any remaining institutional charges for the enrollment period in addition to any miscellaneous charges outstanding on the student account.

A federal aid recipient who withdraws from an enrollment period is subject to possible repayment of federal aid disbursed to the student (after payment of institutional charges) for living expenses and other educational needs. If the aid disbursed is greater than the earned portion of the aid at the point of withdrawal, it may be necessary for the student to repay all or a portion of the federal aid received.

For further information, contact the Office of Student Receivables located at 105 Student Services Center; call (205) 348-5350; email receivables@fa.ua.edu; or visit studentreceivables.ua.edu/withdrawal.html.

ACADEMIC ENRICHMENT OPPORTUNITIES

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Capstone International Center

Global Studies, Certificate (p. 286)

Dr. Teresa E. Wise

Associate Provost for International Education and Global Outreach
Office: 135 B.B. Comer Hall

The Capstone International Center has multiple complementary functions, including intensive English language instruction, U.S. immigration compliance, Fulbright programs and overseas study. Capstone International is a multipurpose center designed to inform, assist and educate both international and domestic students, faculty and staff members, as well as members of the local civic, education and corporate communities. Capstone International annually serves more than 1,600 international students on campus and makes possible the participation of UA faculty, students and staff in a multitude of internationally focused degree, research and outreach programs. Education Abroad sends approximately 1,100 students abroad each year. The Center also oversees the Global Studies Certificate.

CIC is involved with numerous international education organizations providing professional training, outreach to national and local governmental entities and annual conferences to promote international education at member universities. These organizations include NAFSA: 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) and the Forum on Education Abroad.

Through its three units, the English Language Institute (ELI), Education Abroad (EA) and Capstone International Services (CIS), the Center provides courses, programs and activities to the constituents of The University of Alabama community.

Fulbright Programs

Capstone International encourages and facilitates active participation in all Fulbright programs. Since the founding of the Fulbright programs in 1948, approximately 125 UA students, faculty and professional staff members have been selected to receive the prestigious Fulbright award. Their appointments have ranged from Austria to Zimbabwe. More information is available from the CIC, 135 B.B. Comer Hall; (205) 348-5256; or cic@ua.edu.

International Academic Programs: 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 a number of 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 another 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 University of Alabama tuition based on residency and are assisted in arranging transfer of credits through appropriate departments and divisions prior to departure. Graduate students should secure approval from the Graduate School prior to 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
 - Paris-EST Marne la Vallée (Paris)
 - Université de Poitiers (Poitiers)
- Germany
 - University of Augsburg
 - University of Berlin
 - University of Mannheim
- Italy
 - Polytechnic University of Torin
 - University of the Sacred Heart (Milan)

- 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)
 - Yeungnam University (Daegu)
- The Netherlands
 - Hanzehogeschool-Gr'nigen
- 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 expanded greatly 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:

- Alabama at Oxford: English, History, Honors
- Alabama in Austria: German language and culture
- Alabama in Belgium: Political Science
- Alabama in China: Chinese, business, communications, culture
- Alabama in Ecuador: Biology
- Alabama in France: French language, culture and literature
- Alabama in Ghana: Geography, healthcare
- Alabama in Greece: Classical civilization, religious studies
- Alabama in Italy: Italian language and culture, art history, New College
- Alabama in Japan: Japanese language and culture, transcultural nursing
- Alabama in Spain: Spanish language and culture
- Alabama in Spain: Engineering
- Alabama in Sweden: Political science
- Alabama in Turkey: Business
- Alabama in Barcelona: Internships
- Alabama in Dublin: Internships
- Alabama in London: Internships

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 academic good standing. GPA requirements vary by program.
- All UA students participating on programs abroad will be cleared through the Office of Judicial Affairs.
- Students must submit all application and pre-departure requirements prior to program departure.
- Study abroad in countries where current U.S. Department of State Travel Warnings 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; 135 B.B. Comer Hall; by writing The University of Alabama, Education Abroad, Capstone International Center, Box 870254, Tuscaloosa, AL 35487-0254; or by calling (205) 348-5256. 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 Services

International Services, a unit of the Capstone International Center, provides specialized services for international students, professors, research scholars, visitors and their families.

International 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 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 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. Professional staff work closely with community groups such as Tuscaloosa's International Friends (TIF), which sponsors a friendship family program for international students.

International 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 Services, Box 870254, Tuscaloosa,

AL 35487-0254, USA. More information about office services, visa regulations and processing of visa support is available online at is.ua.edu. International 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. In addition, the ELI offers two programs for matriculated students at The University of Alabama: the International Teaching Assistant Program, which trains and evaluates international graduate teaching assistants, and the Academic Support Program, which provides opportunities for undergraduate and graduate 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 grade point average of 3.0 in Levels 4, 5 and 6. Conditionally admitted students who meet certain conditions (minimum TOEFL score and GPA) become eligible to enroll in 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 pursuing graduate study must complete Levels 4, 5 and 6 with a minimum GPA of 3.5 to meet English proficiency requirements. In certain cases, the Graduate School, the ELI and the student's academic department may together grant permission for a student who has completed Level 4 or higher with a minimum GPA of 3.5 to enroll in one graduate course per semester while completing the ELI program of study. The specific course must be approved by the instructor and department prior to enrollment.

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 are 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 texts. 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 and graduate students who may want or need additional English-language instruction. At the undergraduate level, newly admitted international students who taking the UA English Proficiency and Placement Exam (EPPE) prior to beginning their first semester at UA, may be asked to take one or two ELI courses in spoken and/or written English on a part-time basis. These students may pursue their academic studies while fulfilling their EPPE requirements. Students must pass the designated ELI Speaking/Listening or Academic Writing course(s) before enrolling in the University's required English courses for credit. 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.

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.

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 e-mail info@eli.ua.edu.

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 undergraduate level, newly admitted international students who take the UA English Proficiency and Placement Exam (EPPE) prior to beginning their first semester at UA, may be asked to take one or two ELI courses in spoken and/or written English on a part-time basis. These students may pursue their academic studies while fulfilling their EPPE requirements. Students must pass the designated ELI Speaking/Listening or Academic Writing course(s) before enrolling in the University's required English courses for credit. 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.

The ELI also oversees the International Teaching Assistant Program (ITAP) which 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.

To obtain more information about any of the above ELI programs, request a brochure and application for the Intensive English Program, or to discuss the possibility of a customized group program, 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.

Community and Corporate Outreach

Outreach is an important function within Capstone International as evidenced by its Capstone International newsletter, support of the Sakura Festival (focused on Japanese culture) and the work of the English Language Institute (ELI). ELI provides the annual World Friends Day for local elementary schools, annual 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 the Rotary International Club of Tuscaloosa, Tuscaloosa's International Friends (TIF), the Children's Hands-on Museum (CHOM), University Place Montessori School and the Birmingham Committee on Foreign Relations. In addition, 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

Capstone International, working with numerous on and off campus partners, organizes the annual spring Sakura Festival and Haiku contest for the State of Alabama. For the academic years 2013-14 and 2014-15, CIC, along with Tuscaloosa Sister Cities and UA's Department of Modern Languages, hosted a Japanese Outreach Coordinator to bring Japanese culture to the campus and into the community.

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. Generous AIE-J scholarships providing round-trip transportation and a monthly stipend are available on a competitive basis to UA students. Gilman and Freeman-ASIA scholarships for students on financial aid are also available. Examples of courses offered at partner institutions include Japanese-Style Management, Japanese Economic Development, Sociology of Everyday Life in Japan, Survey of Modern Japanese History, Japanese Culture and Education, Seminar in Geography, Agriculture and Agricultural Sciences in Japan, and Introduction to Deep-Sea Biology. For students who have already earned undergraduate degrees, Chiba University offers prestigious Monbusho (Ministry of Education) research scholarships for 18 months of study. The Monbusho scholarship provides round-trip transportation and monthly stipends to cover living costs.

Global Studies, Certificate

The University of Alabama Global Studies Certificate (GSC) is designed to introduce the undergraduate student to the cultural, economic, physical and political aspects of being a world citizen in the 21st century. The emphasis is the contemporary rather than the historical. Nine hours of

the program are specified as GSC core (usually lower division) and ideally are taken prior to the six emphasis area hours (usually upper division).

The CIP 200 Introduction To Global Studies or CIP 202 Introduction to Global Studies: Experiential Learning course should be taken first in the sequence of GSC Core and emphasis area courses, but the remaining courses may be taken in any order. The introductory course sets the basis for the student's approach to the entire Global Studies Certificate curriculum, both core and upper division, emphasis area courses.

Students must successfully complete a total of 15 hours of coursework as specified below. Some courses may have prerequisites. Candidates for the certificate must complete an application form before the certificate can be listed on their transcript. Application forms are available in the Capstone International Center, Room 135 B.B. Comer Hall, and from our website (<http://international.ua.edu>).

Mandatory introductory course

CIP 200 or	Introduction To Global Studies	3
CIP 202	Introduction to Global Studies: Experiential Learning	

Select two of seven existing courses: 6

ANT 102	Intro Cultural Anthropology	
GY 105 or	World Regional Geography	
GY 110	People, Places, and Environment	
IHP 105	Culture & Human Experience	
REL 100 or	Intro To Religious Studies	
REL 102	Intro to Religions of the World	
SOC 101	Intro To Sociology	

GSC emphasis area courses

Select 6 hours of the following: 6

AMS 151	Intro American Studies: Globalization, Nationalism, and Regionalism	
AMS 231	Contemporary America	
ANT 412	Peoples Of Europe ¹	
ANT 413	Peoples Of Latin Amer ¹	
ANT 417	Peoples Of Asia ¹	
ANT 438	Anthropology of Art	
CTD 446	Cult Dynam Apparel Text	
CTD 447	Text Apparl Intnat Trade	
COM 465	Intercultural Communication	
EC 430	International Trade	
EC 431	International Finance	
EC 442	Economic Development of Latin America	
EN 207	World Literature I	
EN 208	World Literature II	
EN 311	Special Topics In Literature	
EN 320	Intro To Linguistics	
EN 429	Directed Readings	
GY 344	Geography Of Africa	
GY 377	Cultural Geography	
IBA 250	Context of Global Business	
IBA 350	Introduction to World Business	
IBA 351	Multinational Business Communication	
MUS 250	Music In World Cultures	
NEW 472	Social Change	

NEW 473	Globalization & Folk Crft Prod
NEW 474	Survival
PSC 204	International Relations
PSC 333	Soviet Post Sov Politics
PSC 334	Government Politics West Europ
PSC 342	For Pol Sov Un Suc State
PSC 413	Amer Foreign Policy
PSC 434	Internatl Polit Econom
PSC 442	Internatl Conflict
PSC 444	International Organizations
REL 100	Intro To Religious Studies
REL 208	Hinduism
REL 220	Survey Of Asian Religion
REL 224	Judaism
REL 238	Philosophies Of Judaism
TCF 340	International Cinema

Independent study (all colleges) ²

Select 3 hours

Language studies (FL or HU for some) ³

Select 6 hours

Total Hours 15

NOTE: As course offerings change, subject to the approval of the GSC advisor additional courses may be used to satisfy the required emphasis hours.

¹ Offered according to demand.

² Special Topics/Field Education/Directed Readings with permission of department/professor and GSC advisor.

³ All MLC and critical languages at the 300 to 400 level are eligible.

College of Community Health Sciences

- Areas of Study
 - Rural Medical Scholars Program (p. 289)
 - Rural Community Health, Certificate (p. 289)

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, 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 small towns, rural communities and other 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.
- 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 nursing, social work, pharmacy, clinical dietetics, health education 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 healthcare delivery system.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

Faculty

Administrative Officers

Richard Streiffer, MD, Dean

Harriet H. Myers, PhD, Assistant Dean for Medical Education

John C. Higginbotham, PhD., Associate Dean for Research

Thomas Weida, MD, Chief Medical Officer

David Nichols, Chief Operating Officer

Allison H. Arendale, Chief Financial Officer

Brook Hubner, Senior Registrar & Program Director, Medical Education

Department Chairs

John C. Higginbotham, PhD, Community & Rural Medicine

Ricky Friend, MD, Family Medicine (interim)

Scott Arnold, MD, Internal Medicine

Obstetrics and Gynecology

Karen Burgess, MD, Pediatrics

Thaddeus Ulzen, MD, Psychiatry & Behavioral Medicine

Joseph C. Wallace, MD, Surgery

Faculty

Scott Arnold, MD

Daniel Avery, MD

Alan Blum, MD

Caroline Boxmeyer, PhD

Karen Burgess, MD

Jennifer Clem, MD

Sandra Daley, MD

Jared S. Ellis, MD

Tamer Elsayed, MD

Ashley Evans, MD

Pamela Foster, MD, MPH

Richard Friend, MD

H. Joseph Fritz, MD

Scott Fulgham, MD

Brian Gannon, MD

Marisa Giggie, MD, MPA

Kristine Graettinger, MD

Susan Guin, MSN, CRNP

Anne Halli-Tierney, MD

Andrew Harrell, MD

Drake Lavender, MD

James Leeper, PhD

John McDonald, MD

Jerry McNight, MD

John Miller, MD

Harriet Myers, MD

William Owings, MD

Stretch Reed, MD

James Robinson, MD, Endowed Chair

Nancy Rubin, PsyD

Cathie Scarbrough, MD

Robert Sheppard, MD

Catherine Skinner, MD

Robert Slaughter, MD

Elizabeth Smith, CRNP

Grier Stewart, MD

Richard Streiffer, MD

Heather Taylor, MD

Cynthia Tyler, MSW

Melanie Tucker, PhD

Thaddeus Ulzen, MD, FRCP(C), DFAPA

Joseph Wallace, MD

John Warren, MD

Lloyda Williamson, MD, DFAPA

John R. Wheat, MD

Nelle Williams

Lea Yerby, PhD

Rural Medical Scholars Program

The Rural Medical Scholars Program, which is also operated by the College of Community Health Sciences, 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. 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, Department of Community and Rural Medicine, 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 and rural public psychiatry.

Rural Community Health, Certificate

There continues to be a shortage of physicians and other health care providers in many parts of rural Alabama. Research suggests that people who grow up in rural areas are much more likely than others to return to rural areas to practice medicine. In 1996, The University of Alabama School of Medicine (UASOM), through its Tuscaloosa campus College of Community Health Sciences (CCHS), instituted the Rural Medical Scholars Program (RMSP). This is an alternative pathway for rural Alabama students to prepare for future work as primary care physicians in rural parts of the state.

The RMSP, a five-year program that leads to a medical degree (MD), has a separate admissions process. As part of the RMSP, students develop camaraderie with fellow students and form a support network with rural health professionals. To begin developing this important support system, the Rural Medical Scholars spend the academic year prior to entry into medical school involved in a basic rural health curriculum on the Tuscaloosa campus. Some of these students are college seniors pursuing a bachelor's degree at The University of Alabama (UA), and some already have this degree. Following successful completion of this pre-matriculation experience, the path of medical education continues

with basic science courses at the UASOM Birmingham campus for two years and clinical work at the UASOM Tuscaloosa campus for two years.

The RMSP has developed its own set of courses, sometimes in collaboration with other colleges at UA, which meets the needs of Rural Medical Scholars. This set of courses is designed to meet the needs of both undergraduate and graduate students. Undergraduate students will still meet the requirements for graduation. Students with special needs will still take appropriate courses. The Certificate of Rural Community Health will provide recognition to all of these students for the work they do in a CCHS core set of five courses.

Certificate Program Objectives

1. 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.
2. Create a support network among students, rural physicians, other rural health and agricultural professionals and rural residents.
3. Keep students from rural Alabama connected with their rural roots to increase the probability that they will return as rural health practitioners.

Completion Requirements

The Certificate 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:

Rural Environmental and Occupational Health

		Hours
CHS 400	Rural Envir/Occup Health ¹	3
CHS 500	Rural Envir/Occup Health ¹	3
HHE 500	Rural Environ/Occupatnl Health ¹	3

- ¹ Introduces basics of rural environmental and occupational health. Students acquire knowledge of biological, chemical, physical, safety and ergonomic health hazards common to the rural South. Safety regulations and preventive measures are explored where applicable.

Epidemiology

		Hours
CHS 420	Basic Epidemiology ¹	3
CHS 520	Basic Epidemiology ¹	3
HHE 521	Basic Epidemiology ¹	3

- ¹ Acquaints students with basic epidemiological methods and principles. Emphasis is on study design and sources of error. The investigation of disease etiology and risk factors are the focus of this course.

Community Clinical Process I

		Hours
CHS 422	Community Clinical Proc ¹	3
CHS 522	Community Clinical Proc ¹	3

- ¹ Explores the roles and responsibilities of rural primary care physicians as they address the health and health care needs of individuals, families and communities. Communication basics and interviewing skills are explored and practiced. Health care practice issues such as physician/patient relationships, confidentiality and HIPPA Guidelines, as well as ethics in medicine, are presented. In addition, basic clinical assessment skills and techniques, including a comprehensive health history and physical exam, are introduced. Fieldwork includes shadowing primary care physicians, community interviews, health promotion activities and rural industry tours.

Biostatistics

		Hours
CHS 425	Biostatistics ¹	3
CHS 525	Biostatistics ¹	3
HHE 526	Biostatistics ¹	3

- ¹ Introduces basic statistical concepts and procedures in health-related research, including descriptive statistics, probability, parametric procedures (e.g., t-tests, analysis of variance, correlation, regression) and nonparametric procedures (chi-square tests and ranking procedures). Explores select data sets related to rural community issues through the application of learned procedures and the production of research reports.

Survey of Issues in Health Care Management

		Hours
CHS 427	Health Policy & Planning	3

- ¹ Explores current issues facing the health care industry. Issues are analyzed and evaluated regarding health care sectors involved, level of importance and possible solutions/outcomes, as well as stakeholder demands. Students are expected to discuss and support analysis of health care issues.

College of Continuing Studies

Division of Academic Outreach

More than ever before, students are choosing distance education to pursue their college degrees. The **Division of Academic Outreach** strives to facilitate University degree programs to adult learners who are limited by time, geography, work schedules or personal obligations. Students may choose from formats that will fit their schedules and learning styles such as online, interactive video conferencing, evening and weekend classes, or online video-streamed classes. All degrees are conferred by the appropriate academic college.

For more information on these programs, write to The University of Alabama, **College of Continuing Studies**, Division of Academic Outreach, Box 870388, Tuscaloosa, AL 35487-0388. You may also call 205-348-0089 or toll free 800-467-0227, or e-mail aoinfo@ccs.ua.edu. Visit the **Bama by Distance** website.

Online Courses

Academic Outreach delivers courses online. Students are instructed through a secured Internet site, where they interact with their professors and other students online.

Video Courses

Academic Outreach delivers undergraduate and graduate courses via online video streaming to students who cannot attend classes on campus. Lectures are recorded as they occur and streamed via the

internet the same day. Students who do not have high-speed internet access are given the option to receive DVD recordings of the lectures. Students complete the same course requirements as on-campus students and take proctored exams at convenient sites. Video courses are offered in engineering and human environmental sciences.

External Degree (EXD) Program

The External Degree 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 EXD 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. This degree is awarded through the College of Arts and Sciences.

For more information or to obtain a catalog and application, please call 1-800-452-5971 or visit learnon.ua.edu. For specific EXD Program curriculum requirements, please refer to the College of Arts and Sciences New College (p. 404) section of this catalog.

Intercampus Interactive Telecommunication System (IITS)

The Intercampus Interactive Telecommunication System (IITS) is a network of conference rooms connected to a statewide videoconferencing network. Approximately 30 sites throughout Alabama are equipped with cameras, monitors and other devices that allow teachers and students to interact as if they were in the same room. Presenters use traditional visuals, such as PowerPoint presentations, overheads and videotape/DVD, as well as digital options unique to IITS.

Weekend College

Designed to meet the needs of both part-time and full-time students, Weekend College offers a number of courses in the fall, spring and summer semesters on Friday evenings and Saturday mornings and afternoons. Scheduling weekend classes is especially convenient for part-time students who would like to pursue academic studies while working.

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 more than 25 complete graduate degree or certification programs in education, including master's degree, educational specialists degrees and class A and class AA certification programs. Graduate-level courses in library studies are also available in Gadsden. For more information, please call (256) 456-2886 or 1-888-223-4131, or visit gadsden.ua.edu.

Evening Program

The Evening Program offers classes at times convenient for working adults. Students unable to continue their education in the traditional format (day classes) may complete degrees in business, geography and criminal justice through this program. Many other courses from the College of Arts and Sciences, the Culverhouse College of Commerce and Business Administration, the College of Communication and Information Sciences, the College of Human Environmental Sciences and the School of Social Work are offered after 5 p.m. Monday through Thursday.

Adult Student Services

Adult Student Services provides a University-wide point of entry for adult students returning to campus or entering the University for the first time along with the following services as they:

- initiate the admission process
- receive assistance with applying for financial aid and adult student scholarships
- be referred to appropriate offices at the University for additional assistance with individual needs
- receive assistance with academic advising and schedule building

For more information, contact Academic Outreach Student Services at 1-800-467-0227 or (205) 348-0089, or visit BamaByDistance.ua.edu.

Required Disclosure Statements

Alaska

Distance education programs are exempt from authorization requirements in the state of Alaska under AS 14.48

California

The University of Alabama is not under the purview of the California Bureau of Private Postsecondary Education.

District of Columbia

Education Licensure Commission of the Office of the State Superintendent of Education in Washington, D.C. granted The University of Alabama required conditional exemption to offer its programs to residents of the District.

Georgia

The University of Alabama is authorized under the Nonpublic Postsecondary Education Institutions Act of 1990

Indiana

This institution is authorized by: The Indiana Board for Proprietary Education, 101 W. Ohio St., Ste 670, Indianapolis, IN, 46204-1984

Louisiana

The University of Alabama is currently licensed by the Board of Regents of the State of Louisiana. Licensed institutions have met minimal operational standards set forth by the state, but licensure does not constitute accreditation, guarantee the transferability of credit, nor signify that programs are certifiable by any professional agency or organization.

Minnesota

The University of Alabama is registered as a private institution with the Minnesota Office of Higher Education pursuant to sections 136A.61 to 136A.71. Registration is not an endorsement of the institution. Credits earned at the institution may not transfer to all other institutions.

Nevada

The University of Alabama is licensed to provide experiential training in Nevada.

Texas

The University of Alabama is authorized by the Texas Higher Education Coordinating Board and is not regulated in Texas under Chapter 132 of the Texas Education Code.

Washington

The University of Alabama is authorized by the Washington Student Achievement Council and meets the requirements and minimum educational standards established for degree granting institutions under the Degree-Granting Institutions Act. This authorization is subject to periodic review and authorizes The University of Alabama to offer field placement components for specific degree programs. The Council may be contacted for a list of currently authorized programs. Authorization by the Council does not carry with it an endorsement by the Council of the institution or its programs. Any person desiring information about the requirements of the act or the applicability of those requirements to the institution may contact the Council at P.O. Box 43430, Olympia, WA 98504-3430.

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 (Test of English as a Foreign Language) score or by completing Level 6 with a minimum grade point average of 3.0 in Levels 4, 5 and 6. Conditionally admitted students who meet certain conditions (minimum TOEFL score and GPA) become eligible to enroll in 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 pursuing graduate study must complete Levels 4, 5 and 6 with a minimum GPA of 3.5 to meet English proficiency requirements. In certain cases, the Graduate School, the ELI and the student's academic department may together grant permission for a student who has completed Level 4 or higher with a minimum GPA of 3.5 to enroll in one graduate course per semester while completing the ELI program of study. The specific course must be approved by the instructor and department prior to enrollment.

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 or provisionally. Such students will not be eligible to begin an academic program and will be required to register for full-time study in ELI until they meet the TOEFL requirement or satisfactorily complete the ELI program as outlined above.

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 are 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 texts. 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 meet as often as they like for conversation practice in both English and in the particular foreign language.

ELI Special 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.

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.

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.

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.

Honors College

The Honors College serves its students through the core Honors experience and other specialized programs, including the Computer-Based Honors Program and the University Fellows Experience. The Honors College also works collaboratively with other colleges to create unique partnerships and departmental honors programs throughout the University, allowing Honors students to major in any discipline and adding to the diversity of the Honors experience.

Honors College facilities in Nott Hall include administrative, faculty and student offices; a reception area; multiple seminar and conference rooms; an Honors College student lounge; a lounge for the University Fellows Experience; and a suite and computer lab for the Computer-Based Honors Program. The Honors College has multiple residence halls that are an important facet of a strong Honors community, providing spaces for group study and engagement. The majority of the Honors residence halls are coeducational, suite-style facilities and feature several Honors faculty-in-residence members in addition to Honors residential assistants.

Honors College students have access to Honors housing, and entering freshmen have the opportunity to attend Honors summer orientation sessions. After the first semester, Honors College students will be given priority registration over students who share the same student classification (senior, junior, sophomore, freshman). Honors courses are noted on the official transcript, and completing the Honors College requirements is noted on both the transcript and official graduation documents.

For more information about the Honors College, contact The University of Alabama Honors College, 288 Nott Hall, Box 870169, Tuscaloosa, AL 35487-0169; call (205) 348-5500; or visit honors.ua.edu.

Honors College Experience

The foundation of the Honors College is the Honors experience which provides students with an enhanced academic curriculum and the ability to work with their peers and outstanding faculty members in an enriched academic environment. The Honors experience does not constitute a major or a minor, but most Honors courses fulfill core curriculum requirements which allows students to pursue their degrees within an Honors framework.

All incoming Honors College freshmen are encouraged to engage in Honors Year One, a program that combines academic coursework with opportunities for engagement on campus in the first academic year. Honors Connection, Common Book Experiences and Freshmen Exploratory Topic classes provide freshmen a way to transition into college life and develop new relationships with other Honors College students and faculty. As automatic members of the Honors College Assembly (HCA), Honors freshmen are also encouraged to become involved in the diverse programming offered by HCA.

Honors College students normally take one or two Honors courses per semester rather than an Honors-only schedule. The evaluation of work done in Honors courses neither penalizes nor unduly rewards students for undertaking the Honors curriculum. The majority of Honors courses are lower in enrollment than their non-Honors counterparts, and most Honors College students perform better in their Honors classes because they find them more engaging and challenging. Honors credit can be earned in a variety of ways, including University Honors courses, departmental honors courses, graduate-level courses, Honors by Contract, independent study and an honors thesis.

Honors Requirements

Admission Requirements

Entering freshmen with a composite ACT score of at least 28 or SAT score of at least 1250 (verbal and quantitative) and at least a 3.5 high-school GPA are invited to apply to the Honors College. Upon receipt of their Honors College freshmen applications, all National Merit Finalists and National Achievement Finalists are admitted automatically. Current UA students not admitted as entering freshmen are invited to apply during their first academic year on campus after they have earned an overall GPA of at least 3.3 and completed 12 or more hours at The University of Alabama. Transfer students with 12 or more hours and at least a 3.3 overall GPA in their transferred coursework are also invited to apply. Current UA students and transfer students who apply after completing a significant number of hours are required to draft a plan to finish all Honors coursework prior to admission.

Graduation Requirements

To complete the requirements of the Honors College, all students are required to earn at least 18 hours of Honors credit, including at least six hours of Honors Foundation courses, and graduate with an overall GPA of at least 3.3. 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.

Retention Requirements

Overall GPA and course completion are monitored each semester. Honors College students who drop below a 3.3 overall GPA will be suspended

unless raising their overall GPA to at least a 3.3 is feasible. Students who remain in the Honors College below a 3.3 overall GPA are not considered to be in good standing. Suspended students may be reinstated by contacting the Honors College after their overall GPA increases to at least a 3.3.

Honors College students must complete Honors coursework at a proportional rate to overall degree completion relative to time of admission. Students whose rate of completing Honors coursework falls significantly behind their rate of overall degree completion will be temporarily suspended pending an approved plan to finish Honors coursework.

All Honors requirements are subject to change, and exceptions to the requirements for special circumstances exist. For more information and up-to-date requirements, visit honors.ua.edu.

Honors Credit

University Honors (UH) courses are the foundation of the Honors experience and often can be used to satisfy general education requirements. Most UH classes are limited in enrollment to a maximum of 15 students and few have prerequisites. Professors in UH courses stress the development of critical, analytical and interpretive skills.

Departmental honors courses seat only Honors students and have limited enrollments in order to maximize interaction between students and faculty. Various departments offer these classes and regularly assign their best teachers to Honors sections, seeking to encourage Honors students to major or minor in their disciplines. All graduate level courses (500 and above) offered by departments count as Honors credit as well, once the Honors College is notified after course completion.

The Honors by Contract option allows Honors College students to make certain departmental courses at the 300- or 400-level count for Honors credit. In order to earn Honors credit, the student must collaborate with a supervisor to create an additional assignment or learning element that raises the course to Honors level work. Students must earn at least a B grade on the extra assignment and can apply no more than six hours of Honors by Contract courses towards the Honors College requirements.

Independent study allows students to pursue self-directed study in a subject area chosen by the student in consultation with a qualified supervisor. Self-directed studies often lead to conference presentations, publications and other experiences unique to the student's interests. Restrictions to using independent study courses to fulfill the Honors College requirements exist.

The Honors Thesis option allows students to undertake thesis research and writing for class credit and can be completed through the Honors College or a departmental honors program.

Honors Course List

100 Level

UH 100	Honors Year One	1-3
UH 101	Survey: Values & Society	3
UH 103	Honors Action	1
UH 105	Honors Mentoring	3
UH 106	The Idea of a University	3
UH 120	Honors Explorations	1-3
UH 155	Freshman Seminar	3
IHP 105	Culture & Human Experience	3

200 Level

UH 201	Classics & Western Culture	3
UH 202	Survey: Class East Cult	3
UH 203	Classics & Western Culture II	3
UH 204	Classics & African Culture	3
UH 210	Honors Fine Arts	3

300 Level

UH 300	Honors Spec Topics Sem	3
UH 330	Intro Clinical Medicine	3
UH 331	Save First: Poverty in America	1-3
UH 333	Evry Move Cnts ChessED Project	1-3
UH 334	Documenting Justice I	3
UH 335	Documenting Justice II	3
UFE 350	Black Belt Experience	3

400 Level

UH 400	Honors Independent Study	1-6
UH 405	Leadership Experience	1-6
UH 498	Honors Thesis Research	1-3
UH 499	Honors Thesis	3

The faculty output is controlled using the 'Faculty List' step in the toolbar.

CBH101 Computer Based Honors

UH

Hours 4

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

University Honors

IHP105 Culture & Human Experience

IH, SB, UH

Hours 3

This course develops students' cross-cultural communication skills and the ability to analyze world issues from a variety of cultural perspectives.

International Honors, Social and Behavioral Sciences, University Honors

UH100 Honors Year One

UH

Hours 1-3

This course is a discovery-based partnership in which incoming freshmen will engage with current Honors College students to help find their place and transition into a collegiate environment. The ultimate goal for each student that participates in Honors Year One is to be exposed to the fundamental ideals of the Honors College, including innovative scholarship, advanced research, cultural interaction, and civic engagement.

University Honors

[View All Courses](#)

Faculty**Dean**

Dr. Shane Sharpe

Associate Dean

Dr. Jacqueline Morgan

Assistant Dean

Dr. Ross Bryan

Assistant Professor

Chip Cooper

Dr. Bradley Tuggle

Founding Dean Emeritus

Dr. Robert Halli

Instructors

Billy Field

Betty Florey

Dr. Thomas Herwig

Allen Jones

John Latta

Dr. Paul Phelps

Dr. Darren Surman

Adjunct Faculty

Stephen Black

Dave Brewer

Patricia Emens

Judith Halli

Dr. Tim Hebson

Abby Horton

Robert McCurley

Amy Pirkle

Philip Reich

Chad Tindle

John Watkins

Staff

Andrew Hester

Jane Batson

Stephanie Brewer

Susan Dendy

Jordan Hall

Kayla Hayes

Susan Haynes

Susan Wright

Vicki Holt

Kiki Karatheodoris

Allison Leitner

Amanda McRae

Dr. Nancy OBrien

Gary Sloan

Greg Wagner

Computer-Based Honors Program

The Computer-Based Honors Program (CBHP) is designed to provide exceptional, highly motivated students from any college, major and field of study the opportunity to conduct scholarly research with top faculty members.

Students are accepted in the program at the beginning of their freshman year. During their freshman year, students complete an intensive series of courses on technology fundamentals, problem solving, project management and research fundamentals. These essential skills enable students to quickly learn and adapt to new knowledge domains and technical environments required for faculty-directed research projects. During their second, third and fourth years at the University, students select research projects and serve as research assistants to faculty project sponsors by applying the skills learned to research projects. They receive 3 hours of credit each semester for this research work and meet once a week to discuss research methods and issues, report on projects and present details of their project to diverse audiences. The Computer-Based Honors Program constitutes an academic minor for those students completing its requirements, and the classes count toward the 12-hour Honors College Elective requirement.

A number of full or partial tuition fellowships are available to selected students in the program who are chosen during their senior year in high school.

All Honors College–eligible incoming freshmen are invited to apply to the Computer-Based Honors Program.

To complete the requirements of the Computer-Based Honors Program, students must complete both CBH 101 Computer Based Honors and CBH 102 Computer Based Honors, four 3-credit-hour research projects that combine research with computer applications and maintain an overall GPA of 3.3.

For more information, contact The University of Alabama Honors College, Computer-Based Honors Program, Box 870169, Tuscaloosa, AL 35487-0169; (205) 348-5500; honors.ua.edu.

Freshman Seminar

CBH 101	Computer Based Honors	4
CBH 102	Computer Based Honors	4
Credit Hours Subtotal:		8

Sophomore Seminar

CBH 201	Computer Based Honors	3
CBH 202	Computer Based Honors	3
Credit Hours Subtotal:		6

Junior Seminar

CBH 301	Computer Based Honors	3
CBH 302	Computer Based Honors	3
Credit Hours Subtotal:		6

Senior Seminar

CBH 451	Computer Based Honors	3
CBH 452	Computer Based Honors	3
Credit Hours Subtotal:		6

Total Hours		26

Faculty

Director

Dr. Shane Sharpe

Program Manager

Jane Batson

Instructor

Darren Evans-Young

Departmental Honors Programs

The Honors College works in conjunction with a host of academic departments on campus to provide and develop discipline-specific departmental honors programs. These programs allow Honors College students to pursue their major course of study within an Honors framework. Honors College students must be accepted into the respective programs associated with their degree plan. Each department has separate requirements for its programs which are subject to change, and students should speak with the respective department for the most up-to-date requirements. All non-Honors students who wish to participate in a departmental honors program must be granted an exception by the individual department.

Biological Sciences

Students majoring in one of the biological sciences are eligible for consideration for the honors program in biological sciences after they have completed at least 16 hours in biological sciences with a minimum grade point average of 3.4 in biological sciences and a cumulative grade point average of 3.4. Acceptance into the program requires approval of the Honors Program Committee and acceptance of the student by primary advisers and co-advisers. Additional details are available in the office of the department of biological sciences. Requirements for the program include:

- 4-8 hours of PY 101 Intro To Psychology
- an acceptable honors thesis
- attendance in PY 211 Elem Statistical Methods
- taking the advanced portion of the Graduate Record Examination
- maintenance of a 3.4 GPA in biological sciences courses and a 3.4 cumulative GPA

Business Honors Program

Business Honors Program students in the Culverhouse College of Commerce participate in weekly one-hour seminars conducted by the Business Honors director and core faculty. The sessions feature meetings with outstanding faculty and business leaders and discussions of contemporary business and economic issues.

Those students who complete the two-year program will earn Honors credit for selected business classes and will graduate with Business Honors recognition. Participation is limited to Culverhouse College of Commerce students who have completed 61 or more semester hours of classwork and have at least a 3.5 cumulative GPA.

Chemistry

Students are invited to apply for admission into the Chemistry Honors Program on the basis of performance in introductory chemistry courses. Inquire at the Department of Chemistry office for further details. Requirements for the program include:

- completion of course requirements for the BS degree with a major in chemistry

- maintenance of at least a 3.3 GPA in chemistry courses, with no more than one C, and a cumulative 3.0 GPA for all coursework
- participation in PY 101 Intro To Psychology, PY 211 Elem Statistical Methods and HY 499 Honors Thesis II
- submission of an acceptable senior thesis based on research conducted under supervision of a chemistry department faculty member
- submission of scores on the Graduate Record Examination or other appropriate examination prior to graduation

College of Engineering

The University of Alabama College of Engineering offers departmental honors programs for each primary academic department. Program requirements differ for each department but generally result in a certificate of completion. Current requirements and information for each program can be found below:

Aerospace Engineering and Mechanics

Chemical and Biological Engineering

Civil, Construction, and Environmental Engineering

Computer Science

Electrical and Computer Engineering

Mechanical Engineering

English

Any English major with a superior aptitude for and a special interest in English may apply for admission to the honors program in English. The program includes special honors sections of sophomore literature courses, eligibility for the Junior Honors Seminar in English and an Honors Thesis. The Honors Seminar in English (PY 101 Intro To Psychology) gives students an opportunity to experience a course which cuts across conventional divisions of literary period and literary form. The Honors Thesis (PY 211 Elem Statistical Methods) affords students the opportunity to work with faculty mentors who will guide them in readings, research, and selection of a suitable topic for the thesis. Interested students should contact the coordinators of the Departmental English Honors Program.

Geological Sciences

Geology majors are invited to apply for admission to the Geological Sciences Honors Program after completion of 13 hours of geology coursework. Requirements for the program include:

- completion of the course requirements for the BS or BS in geology degree
- maintenance of a minimum 3.3 GPA in geology courses and a 3.0 GPA or higher for all coursework
- grade of "pass" in PY 101 Intro To Psychology and PY 211 Elem Statistical Methods
- six hours of HY 499 Honors Thesis II and presentation of the results in the honors seminar
- submission of an acceptable honors thesis based on research conducted under the supervision of a geological sciences department faculty member

History

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 completed history courses. The program requires nine hours of honors work, including PY 101 Intro To Psychology (usually taken in the junior year) and a six-hour thesis (PY 211 Elem Statistical Methods and HY 499 Honors Thesis II) to be completed under the direction of a tenured or tenure-track member of the department. 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.

Philosophy

The honors program in philosophy is designed for the exceptional student, regardless of whether the student intends to do graduate work in philosophy. The program offers the opportunity to pursue a philosophical topic further than the seminar format permits. It also provides recognition for having done a greater proportion of one's classes at the advanced level and for having sustained outstanding achievement in all cases. Students wishing to enroll in the program may request consideration for admission from the undergraduate adviser or the department chairman, or they may be invited to enroll.

Those who graduate with honors in philosophy must meet the following requirements:

- complete 36 hours in philosophy
- complete at least 18 of those hours at the 300- or 400-level
- achieve a GPA of at least 3.5 in all courses in philosophy and at least 3.3 cumulative GPA
- write and be examined on a substantial philosophical essay under the direction of a faculty member in the department

Physics

Students are invited to apply for admission to the honors program in physics on the basis of performance in introductory courses. Inquire at the Department of Physics and Astronomy office for further information. Requirements for the program include:

- completion of the course requirements for the BS degree with a major in physics
- maintenance of a minimum 3.3 GPA in physics courses and a minimum 3.0 GPA for all coursework
- submission of an acceptable honors thesis based on research conducted under the supervision of a faculty member in physics or astronomy
- participation in the one-hour senior-level honors physics seminar, PY 101 Intro To Psychology

Psychology

The psychology department honors program is designed to afford qualified majors the opportunity to participate in activities that prepare them for graduate training in psychology. The two-year program is research-oriented and involves interaction with selected faculty and peers in an enriched and accelerated academic environment. Completion of the program is contingent upon submission of an independently conducted research project equivalent in quality to a master's thesis.

Psychology majors who are in the second semester of their sophomore year with nine hours of completed coursework in psychology (including PY 101 Intro To Psychology, PY 211 Elem Statistical Methods, and a 300-level course) 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 a student must have at least a 3.3 GPA in psychology

coursework and a 3.0 cumulative GPA or higher. However, meeting these minimum requirements does not guarantee admission.

Unique Partnerships

The Honors College partners with departments across the institution to provide enhanced experiences for Honors College students. These unique partnerships afford Honors College students the ability to engage in programs and initiatives that maximize their potential while earning Honors credit. Students may apply for these programs after being accepted into the Honors College and must remain in the Honors College to take advantage of the opportunities.

Reflecting The University of Alabama's mission of advancing the intellectual and social condition of the people of the state through quality programs, the minor in educational studies is designed as an opportunity for Honors College students to develop a knowledge base about education and schooling, to design strategies to improve the conditions of education, and to positively impact the educational system. An overarching goal is to enhance our students' capacity to be informed citizens who are educational advocates working as leaders in their chosen careers. 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 K-12 schooling
- diversity, advocacy, service and involvement in schools and communities
- accountability, policy, and broader economic, political, social, cultural and philosophical contexts

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.

- The minor consists of 18 hours.
- Students will enroll in courses by permission only.
- Enrollment in each course will be limited to 20.
- Students must maintain a 3.3 GPA in all coursework.

Following the basic principles of the existing Manderson MBA degree, the STEM Path to the MBA focuses on attracting high-quality undergraduate students majoring in science, technology, engineering and math disciplines. The program offers an innovative approach to engage students early on as undergraduates and leverage non-traditional instruction delivery methods to allow top students to complete the MBA in one additional calendar year. The primary purpose of the path is to provide high-achieving students with the business knowledge needed to successfully manage STEM businesses.

The STEM Path targets high-quality, incoming freshmen who have chosen to major in STEM disciplines at UA. Applicants who hold a minimum high-school GPA of 3.5 and a minimum ACT score of 28 will be offered early admission to the MBA program. During the junior year, students will apply for admission to the Graduate School for the MBA program.

Students are admitted conditionally (at the end of the junior year) into the graduate MBA program if they achieve a 3.3 overall undergraduate GPA, complete the undergraduate degree in a STEM discipline, and achieve a score of 650 or better on the GMAT or 1300 or better on the GRE prior to completion of their undergraduate degree. To be finally admitted for graduate study, students must be accepted into the MBA program and

reach UA requirements of a 3.3 undergraduate GPA and a GMAT score of 650 or GRE score of 1300.

During each semester of their four years of undergraduate study, students enroll in a 1.5-credit hour STEM Business Honors course. These honors courses focus on communication and leadership skills and provide students with the opportunity to work in teams on community projects. The goal is to develop an appreciation and understanding of the importance of management skills in science and technology careers and create an opportunity to network with other students, managers and executives from technology companies, as well as MBA faculty.

During the summer following the completion of 91 hours, and upon admission into the Graduate School, students complete 9 hours of online business courses. Upon completion of the undergraduate degree, these 9 credit hours count toward the MBA degree. With the 3 credit hours of STEM Business Honors coursework achieved during the last year of undergraduate study, this is a total of 12 hours of credit counting toward the MBA degree.

University Fellows Experience

Following the classical purpose of education — the production of good citizens — the University Fellows Experience (UFE) strives to prepare the most able and dedicated students at The University of Alabama for lives of leadership in and service to their community, state, nation and world.

Chief components of the UFE include:

- mentoring by top University of Alabama faculty members
- a team-built atmosphere of support and stimulation
- interaction with cutting-edge experts in all fields
- engagement in important cultural, social and scientific enterprises
- service to the community
- assistance in applying and competing for prestigious scholarships, graduate and professional schools, professional internships and career positions
- scholarship support

Stages of the University Fellows Experience

Throughout the freshman year, Fellows are encouraged and challenged to develop their interests and passions through on-campus and community involvement. Freshman Fellows develop their own skills, gifts and passions while exploring what leadership means in a variety of contexts.

Throughout the sophomore year, Fellows realize passions, hone leadership skills and put service theories into practice. Sophomore Fellows expand their interests in their academic field, on campus and in the community, through purposeful involvement.

Throughout the junior year, Fellows focus their passions and involvement on and off campus while exploring career options and post-undergraduate opportunities. Junior Fellows explore current developments in their field while acting as leaders and mentors to their younger Fellow cohorts and peers.

Throughout the senior year, Fellows continue to distinguish themselves in their fields of study, receive guidance in finalizing post-undergraduate plans and give back to the UFE community in unique teaching and leadership positions.

The University Fellows Experience constitutes an academic minor entitled "Social Innovation and Leadership," for those students

completing its requirements. The classes count toward the 18 total hours needed to complete the requirements of the Honors College.

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 28 ACT/1250 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 a total of 18 credit hours and maintain an overall GPA of 3.3.

Social Innovation and Leadership Minor		Hours
UFE 101	Understanding Poverty	3
UFE 102	Social Investing and the Role of Innovation	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	Making an Impact in a Global Society	2
UFE 350	Black Belt Experience	3
UFE 400	Magnum Opus Experience	3
Total Hours		17

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

Stephanie Brewer

Interim Program

Winter Interim is designed for online and travel courses only and is conducted during the winter break. Winter Interim is a part of the spring semester. *Students may register for one course during the Winter Interim term.* Summer Interim is held for a three-week period in May and is the first part of the summer term. *Students may register for one course during the Summer Interim term.* Each Interim term offers numerous courses including regular semester courses and many courses designed especially for the Interim term. Virtually all of the University's schools and colleges participate in the program, which is coordinated through the Office for Academic Affairs.

Registration for Winter Interim program courses is part of the registration procedure for spring semester. Summer Interim course registration is a part of the registration procedure for the summer term and fall semester. Students may register for one course during an Interim term. Faculty may teach one course during an Interim term. Questions about transfer credit for Interim courses should be directed to the Office of the University Registrar at (205) 348-2020. For a listing of Interim

courses and prerequisites, visit the myBama website, student tab, Class Schedule, prior to the particular registration period.

For further information about any aspect of the Interim Program, contact The University of Alabama, Office for Academic Affairs, Box 870114, Tuscaloosa, AL 35487-0114; call (205) 348-4890; or fax (205) 348-9137.

Military Programs

Air Force Studies (Air Force ROTC) (p. 298)

Officer Training Corps Studies (Army ROTC) (p. 299)

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.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

Faculty

Lieutenant Colonel

LTC Jonathan L. Goode, US Army Commander and Professor of Military Science

Lesia Coleman-Linzy, Lt Col, U.S. Air Force ROTC Detachment 010 Commander and Professor of Aerospace Studies

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 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 your first college courses (freshman year).

If a student is not sure they wants 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.

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.

Faculty

Lieutenant Colonel

Lesia Coleman-Linzy, Lt Col, U.S. Air Force ROTC Detachment 010
Commander and Professor of Aerospace Studies

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:

		Hours
MIL 110	Leadership/Natl Security	1
MIL 111	Leadership Application I	1
MIL 120	Foundatn Leadership Team Develmn	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 or MIL 250	Mil Leadership Mgt Applcn II Leader Trng Course Basic Camp	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 the Leader Development and Assessment Course (LDAC). The LDAC is a paid 32-day leadership evaluation course conducted at Fort Lewis, Wash., during the summer between the junior and senior years. The Advanced Course consists of the following core courses:

		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
Total Hours		16

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 bama.ua.edu/~armyrotc.

Army ROTC Stipend

All Army ROTC sophomores, juniors and seniors who meet the eligibility requirements for contracting are eligible for a tax-free stipend for 10 months of the year (\$350 per month for sophomores, \$450 per month for juniors and \$500 per month for seniors). Eligibility requirements include a minimum cumulative GPA of 2.0; passage of the Army Physical Fitness Test; meeting DODMERB physical exam qualifications; and being a U.S. citizen, full-time student and of good moral character.

Degree Credit

All Army ROTC courses are fully accredited University classes. Credit for these courses can be applied toward elective credit or a minor in Civic Engagement and Leadership (CEL) through the College of Arts and

Sciences. This minor consists of 19 semester hours, of which at least six hours must be 300- or 400-level courses. In addition, students must take PHL 292 Introduction to Ethics or PHL 221 Honors Introduction to Ethics **and** NEW 237 Cooperation & Conflict or NEW 238 Honors: Coop. & Conflict. 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 Cooperation & Conflict or NEW 238 Honors: Coop. & Conflict. 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.

Faculty

Lieutenant Colonel

Ken Kemmerly, U.S. Army Commander and Professor of Military Science

Special Academic Programs

Center for Ethics and Social Responsibility (p. 300)

Cooperative Education Program (p. 300)

National Student Exchange (p. 300)

University Scholars Program (p. 301)

Center for Ethics and Social Responsibility

Stephen F. Black, Director
Office: Temple Tutwiler Hall

Believing The University of Alabama has a critical role to play in preparing students to serve as effective, engaged and ethical citizens, the Center for Ethics and Social Responsibility (CESR) seeks to assist students in developing a distinct definition of moral and civic maturity, making the values and skills of citizenship a hallmark of a UA education.

The University of Alabama's strong commitment to civic engagement and UA's history of community-university partnerships serve as a foundation for the center. Faculty and students in a wide range of departments at UA have earned distinction for their scholarly contributions to the study of ethics and civic engagement. CESR builds upon these substantial resources, with the larger goal of linking curriculum and the campus culture by establishing multiple opportunities through which students can engage in meaningful service for academic credit while giving thoughtful consideration to their ethical obligations toward fellow citizens.

In particular, CESR staff assists faculty members in developing service-learning courses that engage community organizations in partnerships designed to both enhance academic learning and apply scholarly knowledge to salient community issues. Service experiences are integrated into students' academic curricula, providing structured time for students to think, talk and write about what they did and saw during the activities.

In seeking to better connect social responsibility and ethical development to the academic mission of the University, the work of CESR also entails the development of academic programs such as Moral Forum (a universitywide debate competition that is an integral part of the

University Honors Program) and a minor in civic engagement and leadership (co-sponsored by New College, the department of philosophy, the ROTC program and CESR) as well as courses such as Documenting Justice (a year-long, justice-based documentary film-making class) and SaveFirst: Poverty in America (a service-learning course that combines academic discussions on perceptions of poverty with volunteer tax preparation services for low-income families). CESR also is concerned with developing and supporting non-curricular activities that incorporate ethical and social discourse into campus life.

CESR began in fall 2005 as a result of a gift from Mignon C. Smith. Concerned about what she perceived to be an increasing lack of ethics in business and public affairs, Ms. Smith sought to establish a university-based ethics program that would support the study of ethics and develop projects to nurture social responsibility and reflective, thoughtful citizenship. Under the leadership of the president and provost, and along with the help of an interdisciplinary group of UA faculty, this vision became the CESR.

To learn more about CESR, contact cesr@ua.edu; call (205) 348-6490; visit cesr.ua.edu or come into our office at Temple Tutwiler Hall on Colonial Drive, next to Reese Phifer Hall.

Cooperative Education Program

Naomi Powell, Director
Office: 203 Hardaway Hall

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, Director of the Cooperative Education Program, Box 870200, Tuscaloosa, AL 35487-0200; call (205) 348-6422; or visit the co-op website.

National Student Exchange

The National Student Exchange (NSE) offers opportunities for students to broaden their educational experience through exchange programs with nearly 200 universities across the United States, Canada, Guam, Puerto Rico and the U.S. Virgin Islands.

Through NSE, students may attend another member institution for a semester or academic year and pay that university's in-state tuition. Students coordinate with their college registrar on course selection and credit transferability. Students should discuss their choice of courses with their adviser. Students must at least have sophomore standing and a 2.5 GPA or higher at the time of the exchange. Students receiving federally funded financial aid at UA can expect to receive similar aid from the host institution. With nearly 200 participating institutions and a 97 percent placement rate, students can generally find a location to meet both academic and personal objectives. However, a student's first choice of a host school is not guaranteed.

For further information, visit our website, call our NSE coordinator at (205) 348-6114, or come by the Office of Student Involvement and Leadership at 355 Ferguson Center. The deadline for applications for each academic year (beginning with the fall semester) is February 1.

University Scholars Program

The University Scholars Program is intended for gifted and highly motivated candidates for BA and BS degrees at The University of Alabama whose objectives include degrees at the master's or doctoral level. In participating University Scholars departments, with a closely integrated undergraduate and graduate program, qualified students 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 in the University Scholars Program are classified as undergraduates until they complete requirements for their undergraduate degrees. Therefore, they may not hold graduate assistantships until their classifications are changed to graduate status. At that time, University Scholars will also become eligible for graduate fellowships and scholarships.

Any department that offers a graduate program may, with the approval of the dean of the Graduate School, participate in the University Scholars Program. The following programs are currently approved to participate in the University Scholars Program:

- Aerospace Engineering and Mechanics (p. 502)
- Applied Statistics
- Finance (p. 572)
- Biological Sciences (p. 330)
- Chemical Engineering (p. 505)
- Chemistry (p. 340)
- Civil and Environmental Engineering (p. 509)
- Communication Studies (p. 458)
- Computer Science (p. 517)
- Consumer Sciences (p. 536)
- Criminal Justice (p. 346)
- Economics (College of Commerce and Business Administration) (p. 572)
- Economics (College of Arts and Sciences) (p. 349)
- English (p. 350)
- Electrical and Computer Engineering (p. 520)
- Finance (p. 572)
- French (p. 376)
- Geography (p. 359)
- German (p. 376)
- Health Studies (Sports Medicine Concentration) (p. 488)

- Human Nutrition and Hospitality Management (Food and Nutrition Concentration) (p. 547)
- Mathematics (p. 372)
- Mechanical Engineering (p. 523)
- Metallurgical and Materials Engineering (p. 526)
- Operations Management (p. 567)
- Physics and Astronomy (p. 421)

The following are minimum requirements; divisions or departments may set higher standards:

Phase I

Admission to Phase I is by invitation of the department and the dean of the Graduate School. Admission is chiefly determined by the faculty's estimate of a student's talents, motivation and potential for graduate study. Students may also apply for admission to Phase I through their major department during the second semester of the sophomore year. Contingent upon completion of 61 semester hours of study and with a grade point average in all courses taken of not less than 3.3 (as computed without the plus/minus system), students are admitted to Phase I at the beginning of their junior year on recommendation of the departments to which they have applied. During the junior year, students will take between four and six courses in their major field, as advised by their departments, to prepare them for the work of Phase II. Students seeking admission to Phase I will be informed by their departments if their admission requirements differ from those specified here.

Phase II

Admission to graduate study is also by invitation and is facilitated by, but not dependent upon, participation in Phase I. On completion of no fewer than 91 hours (ordinarily at the end of the junior year), students may apply for and be accepted for admission to the Graduate School. They must have grade point averages of 3.3 or higher (as computed without the plus/minus system) in all courses. Transfer students are subject to the published residence regulations and must have completed the last 30 hours in residence. Admission to the Graduate School will be granted if the student has:

- met all the criteria above as well as other minimum requirements for graduate admission (see graduate.ua.edu)
- completed three-fourths of the hours required for the major and the minor
- met all requirements for the core curriculum
- been recommended by the department to which he or she is seeking admission (in special circumstances, departments may elect to invite an application and recommend acceptance of an applicant with a GPA of 3.0 or higher)

Upon admission to the Graduate School, the 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. The program of study for prospective University Scholars must be submitted to the Graduate School prior to the student's enrollment in graduate classes.

The bachelor's degree will normally be awarded at the commencement immediately following satisfactory completion of the first year of graduate study and attainment of a total of 128 semester hours of credit, or the minimum required by the college. Those courses taken in the senior year/first year of graduate study may count toward both the bachelor's and graduate degrees. No more than 15 hours may be dual-counted toward both the bachelor's and graduate degrees. Interested students should check with their departments for specific coursework requirements. Participants in the University Scholars Program are

exempt from the degree limit of 36 hours in a single department. The master's or doctoral degree will be awarded upon satisfactory completion of the requirements for these degrees. In some cases, the bachelor's and master's degrees may be awarded simultaneously. However, the completion of the master's degree may require an additional time period.

CAPSTONE COLLEGE OF NURSING

The Capstone College of Nursing (CCN) awards the degree of Bachelor of Science in Nursing (BSN).

- Majors
 - Nursing (BSN) (p. 306)
 - Nursing (RN Mobility) (p. 307)

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. 303) 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-.

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 and verified through presentation of a CPR card to the Office of Nursing Student Services.

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 is available from the Capstone College of Nursing ONSS and 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 prior to progressing to Semester II upper-division courses and prior to the beginning of the senior year.

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.

Exit Exams

Students are required to make passing scores on all standardized exit exams given in the college. A student who fails to achieve a satisfactory score must complete a remediation program. Failure to satisfactorily complete the standardized program exit exam in the last semester of the program may delay the student's graduation from the BSN program.

Review Course

Each student is strongly encouraged to take a review course near the end of the BSN program in preparation for the National Council Licensure Examination (NCLEX).

Admission to Lower Division

Students are admitted to 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. 265) 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 whose grade point averages are at least 3.0 for the required courses in the lower division and whose GPAs are at least 2.75 for the required science courses are eligible to apply for promotion.

Meeting minimum requirements does not guarantee promotion to the upper division of the nursing curriculum.

Spaces in the upper division are limited. 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 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 advisor in the Office of Nursing Student Services assists students regarding academic matters. Students may make an appointment to meet with the academic advisor 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 the 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. 22) 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. Only one course withdrawal in the traditional BSN Upper Division nursing program will be allowed. A second withdrawal will result in academic suspension from the Capstone College of Nursing.

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.
- Forms for the pass/fail option may be obtained from the College's ONSS.
- See the Academic Records and General Academic Policies (p. 22) 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 Alabama Board of Nursing 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.

Successful completion of examinations available through the University Testing Services may satisfy certain general education requirements. See the Credit by Examination (p. 13) 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. 290) section of this catalog for details of the independent study program.)

Faculty

Dean

Suzanne S. Prevost

Senior Associate Dean

Robin Lawson

Assistant Dean

Melondie Carter

Alice March

Administrative and Professional Staff

Matthew Ander

Tabby Brown

Andrea Foster

Savannah Hoover

Christina Horen

Patrick McIntyre

Shelley Jordan

Cynthia Morris

Vickie Samuel

Regina Sanders

Karen Silliman

Janet Thompson

Priscilla Payne

Ann Tinsley

Lisa Tyner

Rebekah Welch

Katara Wilson

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. 256) 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. Clinical nursing courses are not taught in summer sessions.

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	CS 102	3
HD 101	3		
		17	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: 66			

¹ NUR 102 Freshman Compass: Nursing is not a required course and will not be considered in upper division promotion.

² Students who opt to complete the foreign language sequence (FC) must also complete CS 102 Microcomputer Applications, which is a prerequisite to NUR 309 Nursing Informatics. Consult with the Office of Nursing student services academic adviser for appropriate courses to satisfy these requirements.

³ 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		3		
NUR 308		3		
NUR 310		3		
		9		
Junior				
Fall		Hours	Spring	Hours
NUR 309		3	NUR 328	3
NUR 324		7	NUR 372	8
NUR 326		3	NUR 374	4
13		15		
Senior				
Fall		Hours	Spring	Hours
NUR 418		4	NUR 471	4
NUR 420		4	NUR 473	7
NUR 422		4	NUR 475	1
12		12		
Total Hours: 61				

Total lower division and upper division hours: 127

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 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

Nursing, RN Mobility

Nursing students should have a interest in being public servants. There are many areas a nurse may practice in, including community health, mental health, adult health, pediatrics, labor and delivery and others. It is recommended that high school preparation includes coursework in the sciences.

RN Mobility

Registered nurses who enroll at The University of Alabama may opt to pursue one of two tracks toward the completion of a higher degree or degrees. Students may enroll in either an RN to BSN or RN to BSN/MSN

track. Both programs of study allow students to continue working while completing coursework online.

RN to BSN Track

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 an RN to BSN student, credit for 41 hours of NUR courses is awarded.

		Hours
UA Lower-Division Requirements		
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 Biology Course)	4
CS 102	Microcomputer 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 or PHL 292	Medical Ethics (Or Other Approved Humanities) Introduction to Ethics	3
PY 101	Intro To Psychology	3
SOC 101 or ANT 102	Intro To Sociology (Or Other Social Behavioral Science) Intro Cultural Anthropology	3
Select one of the following Fine Art courses:		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	
MUS 121	Intro To Listening	
NEW 212	Creativity	
TH 114	Intro To The Theatre	
TCF 112	Motion Pict Hy Criticism	
Literature and History ¹		9
Select one of the following Statistics courses:		3
BER 345	Educational Statistics	
PY 211	Elem Statistical Methods	
ST 260	Statistical Data Analysis	
Credit Hours Subtotal:		55
Required RN to BSN 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 ²	5
NUR 455	Leadership & Management Roles ²	5
NUR 465	Complex Client Sys RNs	5

Credit Hours Subtotal:	25
Total Hours	80

- ¹ 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.
- ² These courses require a field placement component and it is the student's responsibility to secure a site for the field placement.

Promotion to Upper Division

The most qualified applicants will be selected each year for promotion to upper division for the RN to BSN track. The number of applicants promoted is dependent on the educational resources available to support this track. Every effort will be made to promote all applicants who meet the criteria. The application for promotion is due in the Office of Nursing Student Services by March 1st for summer promotion and October 1st 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 accredited school of nursing

RN to BSN/MSN Track

The RN to BSN/MSN program of study is an accelerated option for the experienced, highly-qualified RN who holds an associate degree or diploma in nursing. RNs who meet MSN program admission criteria can apply for early admission to the Graduate School while completing the BSN requirements. The program of study includes 6–11 semester hours of credit in each of the seven semesters required of the track. The BSN degree is awarded after completion of all BSN requirements in the fourth semester. The MSN degree is awarded after completion of all MSN requirements. Two options are available for the RN to BSN/MSN student: nursing case manager or clinical nurse leader.

Promotion to Upper Division

The most qualified applicants will be selected each year for promotion to upper division for the RN to BSN/MSN track. The number of applicants promoted is dependent on the educational resources available to support this track. Every effort will be made to promote all applicants who meet the criteria. The application for promotion is due in the Office of Nursing Student Services by March 1st for summer promotion. Applications submitted after the deadline may be considered. The application for the graduate school is due by June 1st.

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
- an overall grade point average of 3.0 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 accredited school of nursing.

		Hours
Lower-Division Courses — RN to BSN/MSN Track		
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 Biology Course)	4
CS 102	Microcomputer 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 or PHL 292	Medical Ethics (Or Other Approved Humanities) Introduction to Ethics	3
PY 101	Intro To Psychology	3
SOC 101 or ANT 102	Intro To Sociology (Or Other Approved Social Behavioral Science) Intro Cultural Anthropology	3
Select one of the following Fine Art courses:		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	
MUS 121	Intro To Listening	
NEW 212	Creativity	
TH 114	Intro To The Theatre	
TCF 112	Motion Pict Hy Criticism	
Literature and History ¹		9
Select one of the following Statistics courses:		3
BER 345	Educational Statistics	
Credit Hours Subtotal:		55
PY 211	Elem Statistical Methods	
ST 260	Statistical Data Analysis	

Upper-Division and MSN Curriculum — RN to BSN/MSN Track

NUR 319	Nrsg Informatics for RNs	3
NUR 348	Role Tran in Baccalaureate Nur	4
NUR 449	Community Health For RNs	5
NUR 505	Advanced Health Assessment	3
NUR 529	Advanced Pathophysiology	3
NUR 581	Research and Statistics for Health Professional	3
CHS 520	Basic Epidemiology	3
NUR 522	Human Relations Management	3

NUR 580	Fiscal Resource Management	3
NUR 521	Advanced Pharmacology	3
NUR 501	Theoretical Models for Advanced Nursing Practice with Rural Populations	3
NUR 502	Issues in Community Health for Rural Populations	2
NUR 503	Nursing Informatics in Healthcare	2
NUR 520 or NUR 525	Evidence-Based Practice Role and Processes for Case Manager Evidence-Based Practice Role and Processes for the CNL	4
NUR 530 or NUR 535	Case Management Practicum Clinical Immersion Experience	6
Credit Hours Subtotal:		50
Total Hours		105

¹ 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.

Admission to Graduate School

By June 1, students can apply for early, expedited admission to the MSN program, contingent on completion of the first semester of BSN coursework with a GPA of at least 3.0 and completion of all undergraduate core requirements.

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

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. 318)
 Department of Anthropology (p. 320)
 Department of Art and Art History (p. 324)
 Blount Undergraduate Initiative (p. 329)
 Department of Biological Sciences (p. 330)
 Department of Chemistry (p. 340)
 Department of Communicative Disorders (p. 344)
 Department of Criminal Justice (p. 346)
 Economics, BA (p. 349)
 Department of English (p. 350)
 Environmental Science (p. 355)
 Department of Gender and Race Studies (p. 356)
 Department of Geography (p. 359)
 Department of Geological Sciences (p. 364)
 Department of History (p. 368)
 Department of Mathematics (p. 372)
 Marine Science Program (p. 376)
 Department of Modern Languages and Classics (p. 376)
 School of Music (p. 385)
 New College (p. 404)
 Department of Philosophy (p. 418)
 Department of Physics and Astronomy (p. 421)
 Department of Political Science (p. 425)
 Department of Psychology (p. 433)
 Department of Religious Studies (p. 437)
 Department of Theatre and Dance (p. 443)

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) and 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. Each student must complete a six-semester-hour sequence in either literature or history. 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 and nine hours of other HI and SB courses.
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 lab) 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 specific 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.

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 and 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 best 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 or minor 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 minor is not required, but one minor may be specified. Double minors are not permitted in combination with double majors.

Minor or Second Major

A minor or a second major is required for the majority of students. 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. Additional residency requirements are cited in this catalog.

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 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 or minor requirements. Ancillary courses required for the major may be used to satisfy requirements in the minor or in the second major.

Double Minors

Students may minor in two subjects, with the following provisions:

1. One minor may be selected from approved minors in other divisions.
2. There is no duplication of coursework used to complete the two minor programs or the major and 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. This is usually determined by the catalog in effect at the time of the student's first enrollment, but 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. 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.

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.

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.

Courses with the following prefixes count toward this requirement: AAST, AMS, ANT, ARB, ARH, ART, AS, AY, BSC, BUI, CH, CHI, CL, CD, CBH, CIP, CJ, CRL, CROA, CS, CZE, DN, DNCA, DUT, EC, EN, FA, FIN, FLC, FR, FRS, GS, GY, GEO, GN, GR, HEB, HIN, HY, HU, IHP, INDO, IT, JA, KOR, LA, MS, MATH, MDGR, MLC, MUA, MUS, NEW, NOR, PH, PHL, POL, POR, PSC, PY, REL, RUS, SAN, SOC, SP, SS, ST, SWA, SWED, TH, THAI, TURK, UA, UH, URDU, VIET, WS, WL.

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 299 Junior Seminar, BCE 101 Freshman Compass: UA, GBA 145 Freshman Compass: CBA, HES 100 Freshman Compass Human Env Sci, NUR 102 Freshman Compass: Nursing, NUR 104 Liv Learning Prof Nursing Prac); leadership courses (AHE 450 Res Asst Leadership Devlp, HES 275 Leadership Develop Thru Serv); career exploration course (HES 250 Career Develop/Planning); recreation courses (NEW 201 Recreation For Life); kinesiology activity and coaching courses (KIN 295, KIN 352 Psychology of Coaching, KIN 370 Coaching Soccer, KIN 381 Coaching Football, KIN 382 Coaching Basketball, KIN 383 Coaching Baseball, KIN 386 Coaching Volleyball, KIN 420 Issues in Athletics Coaching); and 100-level and 200-level military 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 University Scholars 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 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. 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.
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 a 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 a regionally accredited institution of higher learning, the University presumes all general

education requirements have been completed. This presumption does not apply to ancillary requirements.

- 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. Institutional research has shown that graduation rates are significantly higher for students who complete at least 12 hours during their first college semester, as compared with students who do not complete at least 12 hours.

During the summer semester, students may enroll for a maximum of 17 hours (3 hours in Interim and 7 hours each summer term).

Student Responsibility

- Students are expected to familiarize themselves with this catalog and consult academic advisers in planning their programs of study.
- Students are responsible for registering for course loads appropriate to the degrees they seek and consistent with their individual circumstances.
- Students are expected to pursue successful completion of all courses in which they enroll.
- 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.
- 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.
- Students are expected to be familiar with the current academic calendar.
- Students are expected to make full use of DegreeWorks and other available advising resources in executing their academic success plans.

Admission and Retention

The College of Arts and Sciences admits students on the basis of the University's general admission requirements listed in this catalog. As noted in the department program descriptions, in some departments, 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 and International Baccalaureate scores. 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 1240

and above or SAT Verbal scores of 720. 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 French, German, Latin, Russian and Spanish.

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	UA credit for 101, or except for Spanish, 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

¹ 103 available in German and Spanish

When students are placed in French, German, Latin, Spanish and Russian 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 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, 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:

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.

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.

The short summer terms permit a drop with a grade of W for two weeks.

Course Repeat

A course passed at any institution with a grade of A, B or C cannot be repeated at The University of Alabama, except as an audit.

A course passed at The University of Alabama with a grade of D may be repeated. A record of both the original and repeat enrollment appears on the student's transcript. With respect to hours and grade points applicable to degree requirements and honors-designation requirements in the college, each enrollment is counted in the cumulative hours attempted and cumulative grade points earned, but only the most recent enrollment counts in the cumulative hours applicable to the degree.

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 the request to audit must be made before 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 the course. A course that is taken as an audit may not be taken at a later date for credit.

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 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.

Graduation

Each candidate for a degree must apply 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.

Degrees are awarded in May, August and December.

Major and Minor Advising

A student entering the University who has an academic interest in one of the major programs of the College is encouraged to designate that field at admission. During their freshman year, all Arts and Sciences students are advised through the Student Services Center in 200 Clark Hall. At the end of the first year of enrollment, students who have declared a major are advised through their academic department and enjoy the benefit of faculty knowledge, advice and enthusiasm for their particular field of study. Each academic department has an undergraduate advising director and designates a specific faculty member to work with each student, individually. The student and adviser work together in planning the major and minor programs of study. Changes in coursework required for the major or minor program of study can be made upon the written recommendation of the departmental undergraduate director or chair. Such changes are reported to the College Registrar by the department for incorporation into the student's record.

Acceptance for Major and Minor Programs of Study

The college expects students to declare a major by the fourth semester of full-time enrollment. Students should be familiar with the criteria for acceptance into particular programs and be prepared to meet those criteria. Students can declare a major by completing the Change of Major/Minor Application online under the Student tab of myBama. Please note that some majors and minors may require auditions, special applications or permissions. Specific requirements for each major and minor are included in the program descriptions outlined in this catalog.

College Advising

Student Services Center
200 Clark Hall
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 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 learning communities, freshman and transfer student orientation, general information about academic policies

and procedures, course articulation and equivalency, advising for study abroad, junior-year advising audits, living-learning communities, services for prospective students and newly admitted students, and special permissions to add or drop courses. Other services include: academic bankruptcy, change of division, schedule changes, and permissions to take overloads, to audit a class and to reconcile time conflicts.

In addition, 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/home/undergraduates/academic_advising_and_registration/
student_services_center
studentservices@as.ua.edu

The College of Arts and Sciences offers a First-year Advising Program. 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. It is designed especially for freshman students transitioning from high school to college. These students may enter the college as designated majors, or they may be pre-major students who wish to explore different academic interests while they make progress toward their degrees. Students who enter as pre-major studies complete general education requirements at the same pace as students who have decided on their interest areas. 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 Center for Academic Success, the Writing Center, the Career Center, the Community Service Center, the departments of the college and other UA academic divisions. The First-year Advising Program is closely aligned with the college's program of living-learning and learning communities.

Health Professions Student Services

200 Clark Hall
(205) 348-5970
premed.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:

	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 elective	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
PH 101 or General Physics I or PH 105 General Physics W/Calc I PH 125 Honors Gen Ph W/Calculus	4
PH 102 or General Physics II or PH 106 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 pre-dental program adviser is the primary adviser 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 pre-dental adviser is available as a secondary source to assist specifically with issues related to dental school.

Pre-Medical Program

The pre-medical program advisers 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 pre-med advisers.

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:

	Hours
BSC 114 Principles Of Biology I & BSC 115 or and Laboratory Biology I BSC 118 Honors General Biology I	4

BSC 116 & BSC 117 or BSC 120	Principles Biology II and Biology II Laboratory Honors Gen Biology II	4
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	Elem Organic Chem II	3
CH 237	Elem Organic Chem Lab	2
BSC 450 or CH 461	Fundamentals of Biochemistry Biochemistry I	3
PH 101 or PH 105 PH 125	General Physics I or General Physics W/Calc I Honors Gen Ph W/Calculus	4
PH 102 or PH 106 PH 126	General Physics II or General Physics W/Calc II Honors Gen Ph W/Calculus II	4
MATH 125 or MATH 145	Calculus I Honors Calculus I	4

The pre-medical program adviser is the primary adviser 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:

	Hours
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	Elem Organic Chem II	3
CH 237	Elem Organic Chem Lab	2
BSC 215	Human Anatomy & Physiology I	4
BSC 216	Human Anatomy & Physiology II	4
MATH 125 or MATH 145	Calculus I Honors Calculus I	4

Each pharmacy school determines additional undergraduate course requirements.

The pre-pharmacy program 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 adviser is 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:

	Hours
EN 101	English Composition
EN 102	English Composition
BSC 114 & BSC 115 or BSC 118	Principles Of Biology I and Laboratory Biology I Honors General Biology I
BSC 116 & BSC 117 or BSC 120	Principles Biology II and Biology II Laboratory Honors Gen Biology II
BSC 215	Human Anatomy & Physiology I
BSC 216	Human Anatomy & Physiology II
CH 101 or CH 117	General Chemistry Honors General Chemistry
CH 102 or CH 118	General Chemistry Honors General Chemistry
PH 101 or PH 105 PH 125	General Physics I or General Physics W/Calc I Honors Gen Ph W/Calculus
PH 102 or PH 106 PH 126	General Physics II or General Physics W/Calc II Honors Gen Ph W/Calculus II
	4

MATH 113	Precalculus Trigonometry	3
PY 101	Intro To Psychology	3
PY 211	Elem Statistical Methods	3
PY electives		6

The pre-physical therapy 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.

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 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 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. Examples of pre-law courses include the following:

	Hours
COM 100 Rhetoric And Society	3
COM 123 Public Speaking	3
COM 348 Argumentation	3
EC 110 Principles of Microeconomics	3
PHL 104 or Critical Thinking	3
COM 122 Critical Decision Making	3
PHL 195 Introduction to Deductive Logic	3
PHL 240 Philosophy and the Law	3
PHL 241 Philosophical Issues in Criminal Law	3
PHL 242 Philosophical Issues in Civil Law	3
PHL 243 Philosophical Issues in Constitutional Law	3
PHL 292 Introduction to Ethics	3

PSC 101	Intro American Politics	3
PY 101	Intro To Psychology	3

The pre-law program adviser is the primary adviser 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 Undergraduate Initiative

Endowed by Winton and Carolyn Blount and assisted by many other donors, the Blount Undergraduate Initiative 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 Undergraduate Initiative (p. 329) section of this catalog.

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

Any sense that a student is "just a number" evaporates in a learning community. In the College of Arts and Sciences, these 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 for students in the college.

Academic Exploration

Many students enter the College of Arts and Sciences undecided 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 every 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 receive 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

Administrative Officers

Robert F. Olin

Lisa Dorr

Luoheng Han

Robert E. Hayes III

Tricia McElroy

Roger Sidje

Administrative and Professional Staff

Cynthia H. Channell

Matt Chenault

Katie Craig

Marian Denham

Pamela Derrick

Timothy Dillard

Cathy Elliott

Todd Engelhardt

Rebecca Paul Florence

Don S. Hays

Ginger Hudson

Rob Larocco

Wendy K. McMillian

Nancy T. Shockley

Latandra Smith

Jeannie Thomley

James Vail

Allison S. Verhine

John Wingard

Kathy Yarbrough

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, patterns of behavior and how these change over time.

- Major
 - American Studies (BA) (p. 319)
- Minor
 - American Studies (p. 320)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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

Adrian, Lynne

Associate professors

Hubbs, Jolene

Innis-Jimenez, Michael

Megraw, Richard B.

Melton, Jeffrey

Morgan, Stacy

Spears, Ellen

Tang, Edward

Weisbard, Eric

Assistant professors

Green, Hillary

Jones, Jennifer D.

Odle, L. Mairin

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.

		Hours
Major Courses		
AMS 150	Introduction to American Studies: Arts and Values (Fall Only)	3
AMS 151	Intro American Studies: Globalization, Nationalism, and Regionalism (Spring Only)	3
Select one of the following:		3
AMS 203	Introduction to Southern Studies	
AMS 204	Introduction to Western American Studies	
AMS 205	Dirty Jobs	

AMS 206	Native American Studies	
AMS 231	Contemporary America	3
AMS 491 or AMS 492	American Period Seminar 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	History of American Civilization to 1865 Honors American Civilization to 1865	3
HY 104 or HY 108	America Civilization Since 1865 Honors American Civilization Since 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

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.

		Hours
Minor Courses		
AMS 150	Introduction to American Studies: Arts and Values	3
AMS 151	Intro American Studies: Globalization, Nationalism, and Regionalism	3
Select one of the following:		3
AMS 203	Introduction to Southern Studies	
AMS 204	Introduction to Western American 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	History of American Civilization to 1865	
HY 104	America Civilization Since 1865	
HY 107	Honors American Civilization to 1865	
HY 108	Honors American Civilization Since 1865	
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

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. 253) 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.

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, a minor in anthropology, and an Evolutionary Studies (EvoS) interdisciplinary minor. Students may also pursue a Southeastern Archaeology 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. 321)
- **Minors**
 - Anthropology (p. 323)
 - Evolutionary Studies (p. 323)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

ANT100 Intro To Anthropology
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. SB Credit.

Social and Behavioral Sciences

ANT102 Intro 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

Dr. Ian Brown

Director of Undergraduate Studies
Dr. Cameron Lacquement

Undergraduate Studies Secretary
Melissa Sartain

Professors

Blitz, John H.

Brown, Ian W.

Dressler, William W.

Jacobi, Keith P.

Oths, Kathryn S.

Associate Professor

Decaro, Jason

Galbraith, Marysia

LeCount, Lisa J.

Lynn, Christopher

Assistant Professor

Blair, Elliot

Kosiba, Steve

Lacquement, Cameron

Pritzker, Sonya

Weaver, Jo

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 travel, meeting people of other societies, museum exhibits, artifact analysis, interviewing and 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, a softball team 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 and other sufficient credits to total a minimum of 120 applicable semester hours.

		Hours
Major Courses		
ANT 102	Intro Cultural Anthropology	3
ANT 107	Intro To Archaeology	3
ANT 210	Language And Culture	3
ANT 270	Introduction to Biological Anthropology	3
ANT 436 or ANT 440	Social Structure Culture	3
ANT archaeology 300 or 400 level ¹		3
ANT biological 300 or 400 level ²		3
ANT electives 300 or 400 level		6
ANT elective		3
		Credit Hours Subtotal: 30

Archaeology Courses

The archaeology requirement must be completed from this list: ¹

ANT 318	Ancient Cities & Empires
ANT 319	Ancient New World Civilization
ANT 368	Southeastern Archaeology

ANT 408	Ancient Mexican Civilization	
ANT 409	Ancient Maya Civilization	
ANT 424	Cultural Resource Management	
ANT 426	Archaeology of East North America	
ANT 444	Anthropology And Cemeteries	
ANT 445	Historical Archaeology	
ANT 460	Anthropology and Museums	
ANT 465	Lithic Analysis	
ANT 466	Laboratory Methods Archaeology	
ANT 467	Methods Prehistoric Iconography	
ANT 468	Ceramics for the Archaeologist	
Credit Hours Subtotal:		0

Biological Anthropology Courses

The biological anthropology course must be completed from this list: ²		
ANT 311	Population, Health & Human Origin	
ANT 312	Non-Human Primates	
ANT 471	Fossil Humans and Evolution	
ANT 473	Human Osteology	
ANT 474	Neuroanthropology	
ANT 475	Biology, Culture, & Evolution	
ANT 476	Nutritional Anthropology	
ANT 478	Anthro of Human Development	
ANT 479	Human Paleopathology	
Credit Hours Subtotal:		0

Cultural Anthropology/Linguistics Electives

Possible 300+ electives in cultural anthropology and linguistics can be completed from this list:		
ANT 401	Theory and Method in Linguistic Anthropology	3
ANT 402	Gender Ethnicity & Health	3
ANT 405	Culture, Mind, and Behavior	3
ANT 412	Peoples Of Europe	3
ANT 413	Peoples Of Latin Amer	3
ANT 417	Peoples Of Asia	3
ANT 418	Dev Non-West Cultures	3
ANT 419	Myth, Ritual, And Magic	3
ANT 421	Ethnography	3
ANT 438	Anthropology of Art	3
Credit Hours Subtotal:		30

Concentration

Select a concentration	
Total Hours	60

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. 253) 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.

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

Unless otherwise stated, the prerequisite for 300 and 400-level ANT courses is 12 credits in anthropology, which may include introductory courses specific to a subfield (i.e., ANT 102 Intro Cultural Anthropology, ANT 210 Language And Culture, ANT 270 Introduction to Biological Anthropology). If a student lacks the necessary credits or courses, they may request permission to enroll from the instructor.

Concentrations

Students are able to concentrate in two areas: Health Professions and Southeastern Archaeology. Courses that apply to concentrations also fulfill major requirements; therefore, no additional hours are required for concentrations.

Health Professions Concentration

Students pursuing a major or minor 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 the anthropology electives from the following courses:

Health Professions Concentration		Hours
ANT 411	Culture, Health, & Healing	3
Select two of the following:		6
ANT 208	Anthropology of Sex	
ANT 275	Race, Ethnicity Human, and Variation	
ANT 311	Population, Health & Human Origin	
ANT 402	Gender Ethnicity & Health	
ANT 405	Culture, Mind, and Behavior	
ANT 419	Myth, Ritual, And Magic	
ANT 476	Nutritional Anthropology	
ANT 478	Anthro of Human Development	
ANT 479	Human Paleopathology	
Total Hours		9

Southeastern Archaeology Concentration

Students pursuing a major or minor 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:

Southeastern Archaeology Concentration		Hours
ANT 269	Field Archaeology (3 hours of this 6-12 course will apply)	3
ANT 466	Laboratory Methods Archaeology	3
Select one of the following:		3
ANT 368	Southeastern Archaeology	
ANT 424	Cultural Resource Management	
ANT 426	Archaeology of East North America	
Total Hours		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.

Minor Courses		Hours
Select two of the following:		6
ANT 100	Intro To Anthropology	
ANT 102	Intro Cultural Anthropology	
ANT 107	Intro To Archaeology	
ANT 210	Language And Culture	
ANT 270	Introduction to 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 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 they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, College and University requirements.

Prerequisites

Unless otherwise stated, the prerequisite for 300- and 400-level ANT courses is 12 credits in anthropology, typically including introductory courses specific to a subfield (i.e., ANT 102 Intro Cultural Anthropology, ANT 107 Intro To Archaeology, ANT 210 Language And Culture, ANT 270 Introduction to 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 over 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. Christopher Lynn (Anthropology).

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, Christopher Lynn (cdlynn@ua.edu).

		Hours
Foundation Courses		
ANT 150	Evolution for Everyone	3
BSC 220	Biol Evol	3
ANT 480	Advanced Evolutionary Studies & Big Questions	3
Select one of the following:		3-4
ANT 270	Introduction to 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

ANT 208	Anthropology of Sex	3
ANT 270	Introduction to Biological Anthropology	3
ANT 275	Race, Ethnicity Human, and Variation	3
ANT 311	Population, Health & Human Origin	3
ANT 312	Non-Human Primates	3
ANT 471	Fossil Humans and Evolution	3
ANT 473	Human Osteology	4
ANT 475	Biology, Culture, & Evolution	3
ANT 479	Human Paleopathology	3

Astronomy Electives

AY 155	Life in the Universe	3

Biological Sciences Electives

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	Principles of Population Genetics	3
BSC 482	Conservation Biology	3
BSC 483	Evolution	3
BSC 487	Biogeography	3

Geological Sciences Electives

GEO 102	The Earth Through Time	4
GEO 355	Invertebrate Paleontology	3
GEO 367	Sedimentology/Stratigraphy	4
GEO 401	Paleoclimatology	3
GEO 404		3

History Electives

HY 455	The Darwinian Revolution	3

Philosophy Electives

PHL 387	Philosophy and Evolution	3
PHL 390	Special Topics in Philosophy	1-3

Psychology Electives

PY 313	Sensation and Perception	3
PY 352	Developmental Psych	3
PY 413	Physiological Psych	3

Telecommunications and Film Electives

TCF 420	Telecommuncatn Effects	3
TCF 433	Broadcast News Analysis	3

University Honors (UH) Electives

UH 300	Honors Spec Topics Sem (Topics in Vertebrate Paleontology)	3
UH 300	Honors Spec Topics Sem (Primate Religion & Human Consciousness)	3

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 253) section of this catalog for an explanation on grade point average calculations.

Department of Art and Art History

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. The objectives of study are not primarily vocational. However, students will acquire knowledge and skills that may lead to employment in art related fields such as teaching, design, communication arts and museum administration. After completing a series of foundation courses, students focus their course work in one of six media areas: ceramics, digital media, painting, photography, printmaking or sculpture.

The department of art and art history offers undergraduate majors in studio art (BA and BFA) and art history (BA) and minors in studio art and art history.

• Majors

- Art History (BA) (p. 325)
- Studio Arts (BA) (p. 326)
- Studio Arts (BFA) (p. 328)

• Minors

- Art History (p. 326)
- Art (Studio) (p. 325)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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**Interim Chair**

Wolfe, Tom

Professor

Pagani, Catherine

Associate professors

Jordan, Christopher

Curzon, Lucy

Shineman, Sky

Dooley, William

Marshall, Sarah

Wedderspoon, Craig

Assistant professors

Pham, Giang

Cassidy, Jane

Jones, Tanja

Mitros, Matthew

Schulte, Pete

Stephens, Rachel

Castenell, Wendy

Art (Studio), Minor**Admission into the Minor**

Students are expected to formally declare a minor, by completing the Declaration of Minor form with the assistance of an adviser in the minor department, before or during the third year of full-time enrollment.

	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
Concentration	

Students must earn six hours in a single studio media area chosen from ceramics, digital media, painting, photography, printmaking or sculpture

Credit Hours Subtotal:	6

Electives

ART elective 300 or 400 level	3

ART elective	3

Credit Hours Subtotal:	6

Ancillary Courses

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

Select one of the following:	3

ART 110 Drawing I	

ART 130 2D Design	

ART 131 3D Design	

ART 210 Drawing II	

ARH elective 300 or 400 level	3

Total Hours	24

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. 253) 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.

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

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.

	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	12
ARH electives	15
Credit Hours Subtotal:	33
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	10-14
Credit Hours Subtotal:	16-20
Total Hours	49-53

¹ Successful completion of two years of university-level proficiency or equivalent proficiency in a single foreign language, preferably French or German, is required.

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. 253) 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

Art 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.

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

Studio Art, BA

Studio art students are typically interested in the premise and process of contemporary art and design. High school preparation might include visual art courses and activities that develop experience in drawing and 2D and 3D design and various arts media, but these are not necessary for entrance into the major.

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 Art Student's League presides over a centrally located gallery that primarily features changing exhibitions of student work. The Crimson Ceramics Society is another organization providing students with opportunities to present ceramics projects in the community and across the state. Declared majors in art and art history can compete for 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.

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.

Major Courses		Hours
ART 110	Drawing I	3
ART 130	2D Design	3
ART 131	3D Design	3
ART 210	Drawing II	3
Credit Hours Subtotal:		12
Concentration		
Select an ART concentration ¹		12
Credit Hours Subtotal:		12
Electives		
Select three hours of ART electives 300-499 level		3
Select three hours of ART electives		3
Credit Hours Subtotal:		6
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 one of the following:		3
ARH 252	Survey Of Art I	
ARH 253	Survey Of Art II	
ARH 254	Survey Of Art III	
Select two of the following:		6
ARH 381	Art Since World War II	
ARH 385	Early 20th Century Art	
ARH 400	Photographic Discourse	
ARH 481	Topics 20th Century Art	
ARH elective		3
Credit Hours Subtotal:		12
Total Hours		42

¹ Students must earn 12 hours in a single studio media area chosen from ceramics, digital media, drawing, painting, photography, printmaking or sculpture.

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. 253) 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 outside of the department.

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.

Concentrations

Ceramics Art

		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 Art

		Hours
Select 12 hours of the following:		12
ART 224	Introduction To Digital Art I	
ART 314	Typography	
ART 315	Digital Layout and Production	
ART 324	Intermediate Digital Art	
ART 328	Digital Phototography	
ART 414	Graphic Design	
ART 415	Graphic Design Practicum	
ART 424	Digital Art Seminar	
ART 428	Advanced Digital Photography	
Total Hours		12

Drawing Art

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 Art

Select 12 hours of the following:		12
ART 216	Painting	
ART 305	Aqueous Media	
ART 316	Painting Composition	
ART 317	Painting Concepts	
ART 325	Printmaking: Monoprint/Monotype	
ART 416	Advanced Painting Seminar	
Total Hours		12

Photography

Select 12 hours of the following:		12
ART 218	Photography	
ART 318	Photography	
ART 319	Photography	
ART 328	Digital Phototography	
ART 338	Photographic Studio Lighting	
ART 418	Advanced Photography	
ART 428	Advanced Digital Photography	
Total Hours		12

Printmaking Art

Select 12 hours of the following:		12
ART 220	Printmaking	
ART 320	Printmaking: Intaglio & Relief	
ART 321	Printmaking: Lithography	
ART 325	Printmaking: Monoprint/Monotype	
ART 329	Printmaking: Photo-based Processes	
ART 420	Printmaking	
Total Hours		12

Sculpture

Select 12 hours of the following:		12
ART 222	Sculpture	
ART 322	Sculpture	
ART 323	Sculpture	
ART 422	Sculpture	
Total Hours		12

art galleries, design studios, universities, K-12 education and photography studios

Types of Jobs Accepted

Jobs might include visual artist, 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 astudent in UA's Department of Art and Art History undergraduate program.

Learn more about opportunities in this field at the Career Center

Studio Art, BFA

Studio art students are typically interested in the premise and process of contemporary art and design. High school preparation might include visual art courses and activities that develop experience in drawing and 2D and 3D design and various arts media, but these are not necessary for entrance into the major.

Admission into the Major

Students expecting to complete the requirements for the BFA in studio art in four years must begin the program as first-semester freshmen, but full admission to the BFA program is only granted after the BFA review. The BFA review must be conducted after 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 will not be allowed to pursue the BFA degree. The student is responsible for keeping track of hours completed and applying at the appropriate time. 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 sponsors three student organizations. The Art Student's League presides over a centrally located gallery that primarily features changing exhibitions of student work. The Crimson Ceramics Society is another organization that provides students with opportunities to present ceramics projects in the community and across the state. Declared majors in art and art history can compete for merit-based departmental scholarships, which are awarded annually to returning students. Graduating senior BFA majors present their most mature artwork in the BFA show, which is produced annually. 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 bachelor of fine arts (BFA) degree with a major in studio art is a professional degree, serving as the foundation for 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 128 applicable semester hours.

		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 four of the following: ¹		12
ART 212	Ceramics	
ART 216	Painting	
ART 218	Photography	
ART 220	Printmaking	
ART 222	Sculpture	
ART 224	Introduction To Digital Art I ¹	
Select 12 hours of ART primary concentration 300 or 400 level ¹		12
Select nine hours of ART secondary concentration 300 or 400 level ¹		9
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 two of the following:		6
ARH 381	Art Since World War II	
ARH 385	Early 20th Century Art	
ARH 400	Photographic Discourse	
ARH 481	Topics 20th Century Art	
Credit Hours Subtotal:		63
Electives		
Select six hours of ARH electives		6
Select 12 hours of ART and ARH electives		12
Credit Hours Subtotal:		18
Total Hours		81

¹ Students should select studio courses to total 12 hours in a single studio media area chosen from ceramics, digital media, drawing, painting, photography, printmaking and sculpture, and another nine hours in a second studio media area. For instance, a student could have 12 hours of painting and nine hours of sculpture.

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. 253) 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.

art galleries, design studios, universities, K-12 education and photography studios

Types of Jobs Accepted

Jobs might include visual artist, 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

Blount Undergraduate Initiative

- Minor
- Blount Initiative (p. 329)

BUI100 Convocation

Hours 1

Experiences to extend and complement the Blount Undergraduate Initiative foundation courses. May be repeated once for credit.

BUI101 Foundation: Origins

HU

Hours 3

A text-centered exploration of major questions that integrate liberal arts education and form the basis of the Blount Undergraduate Initiative. Emphasis is on origins of the natural world, human culture, and human understanding.

Humanities

[View All Courses](#)

Blount Liberal Arts, Minor

Admission into the Minor

Only students admitted to the Blount Undergraduate Initiative can pursue the Blount liberal arts minor. Students are expected to declare a minor formally. With the assistance of the director of the Blount Undergraduate Initiative, students should complete the Declaration of Minor form no later than the fourth semester of full-time enrollment.

The Blount liberal arts minor requires the successful completion of the following 20 semester hours. A maximum of 3 hours of Blount coursework may be applied toward another major or minor, reducing the number of hours required for the minor to 17.

		Hours
Minor Courses		
BUI 100	Convocation	2
Foundation Courses		
BUI 101	Foundation: Origins	3
BUI 102	Foundation: Possibilities	3
BUI 401	Blount Capstone Worldviews	3

BUI 301	Thematic Seminar	9
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. 253) section of this catalog for an explanation of grade point average calculations.

Upper-level Residency

A minimum of 6 hours of 300- or 400-level courses in the minor must be earned on this campus.

Ancillary Courses

The Blount Liberal Arts 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 Biological Sciences

The department of biological sciences offers three majors that culminate in baccalaureate degrees: biology, marine science/biology double major and microbiology. The department also offers minors in biology, microbiology and marine science.

The College of Arts and Sciences offers interdisciplinary marine science double major programs (marine science/biology, marine science/chemistry and marine science/geology) culminating in the bachelor of science (BS) degree. These double major curricula give the student a focused exposure to include general education requirements, single disciplinary requirements and the interdisciplinary courses that represent studies in the field of marine science. A minor in marine science is available to students whose major fields are biology, chemistry or geology.

- Majors
 - Biology (BS) (p. 331)
 - Microbiology (BMB) (p. 338)
 - Marine Science/Biology (BS) (p. 334)
 - Marine Science/Chemistry (BS) (p. 336)
 - Marine Science/Geology (BS) (p. 337)
- Minors
 - Biology (p. 333)
 - Microbiology (p. 339)
 - Marine Science (p. 334)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

BSC108 Intro Biology Non Maj I

N

Hours 4

Lecture and laboratory. Not open to biology majors or minors, pre-health professions students, or students with credit for BSC 114:115 and BSC 116:117 (or the honors equivalents, BSC 118 and BSC 120). 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

O'Donnell, Janis

Professors

Caldwell, Guy

Caldwell, Kimberly

Findlay, Robert

Francko, David A.

Huryn, Alexander

Lopez-Bautista, Juan

Olson, Julie

Pinkert, Carl

Powell, Martha J.

Secor, Stephen

Sobecky, Patricia

Stephenson, Edwin C.

Associate professors

Benstead, Jon

Cherry, Julia

Duffy, Carol

Earley, Ryan

Harris, Phillip

Jenny, Matthew

Johnson, Margaret

Marcus, Stevan

Mortazavi, Behzad

Ramonell, Katrina

Starr, Greg

Staudhammer, Christina

Yoder, John

Assistant professors

Atkinson, Carla

Fierst, Jana

Hatoum-Aslan, Asma

Howeth, Jennifer

Lam, Daryl

Lozier, Jeff

Pienaar, Jason

Reed, Laura

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 cumulative grade point average, as well as in BSC courses. Admission into the program requires the approval of the Honors Program Committee and acceptance of the student by primary advisers and co-advisers. Requirements for the program include: four to eight hours of BSC 390 Honors Thesis Research, an acceptable honors thesis, attendance in BSC 407 Honors Seminar In Bsc, completion of the advanced portion of the Graduate Record Examination, and maintenance of at least a 3.4 GPA in BSC courses and a 3.4 or higher cumulative GPA. Additional details are available in the office of the department of biological sciences.

Scholars Program

The department of biological sciences also participates in the University Scholars Program that 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 University Scholars 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.

		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 Intro To Bsc Instruction	

BSC 407	Honors Seminar In Bsc	
Total Hours		64

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):

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 376	Invertebrate 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. 253) 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-.

Optional Major Concentrations

Students who wish to enhance their knowledge in a particular area of study within biological sciences may elect to organize their coursework around the three concentrations listed below. Though not required, these concentrations allow the student to develop an area of specialization within the major.

Molecular/Biotechnology Biology Concentration

Students who are pursuing a major in biology and are interested in specialized biology can choose a sequence of courses in the molecular/ biotechnology concentration. These students should choose the first two classes, BSC 439 Bch/Molecular Biology Lab and BSC 451 Molecular Biology, and other biology electives from the following courses:

BSC 439	Bch/Molecular Biology Lab	3
BSC 451	Molecular Biology	3
BSC 310	Microbiology	3
BSC 311	Gen Bacteriol & Physiol	3
BSC 312	Microbiology Lab	2
BSC 313	Gen Bacteriology Lab	3
BSC 435	Immunology	4
BSC 441	Developmental Biology	3
BSC 442	Integrated Genomics	4
BSC 444	General Virology	3

Ecology and Systematics Concentration

Students who are pursuing a major in biology and are interested in specialized biology can choose a sequence of courses in the ecology and systematics concentration. These students should choose the biology electives from the following courses:

		Hours
BSC 360	Plant Biology	4
BSC 373 or BSC 376	Vertebrate Zoology Invertebrate Zoology	4
Select one of the following:		2-4
BSC 303	Field Zoology	
BSC 320	Freshwater Studies	
BSC 412	Limnology	
BSC 415	Wetland Ecology	

BSC 417	Environmental Modeling
BSC 420	Principles Of Systematics
BSC 434	Plant Systematics
BSC 456	Microbial Ecology
BSC 464	Biology Of Algae
BSC 471	Plant Physiology
BSC 480	Plant Ecology
BSC 482	Conservation Biology
BSC 490	Stream Ecology

Total Hours 10-12

Health Professions Concentration

Students who are pursuing a major in biology and are interested in a career in health professions such as medicine, dentistry, optometry, pharmacy or veterinary medicine can choose a sequence of courses in the health professions concentration. The concentration also provides in-depth exposure to subject material found on the MCAT, DAT and OAT. These students should choose the biology electives from the following courses:

BSC 310	Microbiology	3
BSC 312	Microbiology Lab	2
BSC 400	Vertebrate Funct Morphol	4
BSC 409	Pre-Health Apprenticeship I	2
BSC 410	Pre-Health Apprenticeship II	2
BSC 424	Human Physiology	3
BSC 425	Human Physiology Lab	2
BSC 431	Pathogenic Microbiology	3
BSC 432	Pathogenic Mibrobiol Lab	3
BSC 435	Immunology	4
BSC 449	Endocrinology	3
BSC 450	Fundamentals of Biochemistry	3
BSC 460	Human Developmental Biology	4
BSC 469	Histology Of Vertebrates	4

Note that hours earned in BSC 409 Pre-Health Apprenticeship I and BSC 410 Pre-Health Apprenticeship II may not be applied to the Biology elective requirement.

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.

	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:

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 Intro To 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. 253) 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.

	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. 253) 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
1324 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.

	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	5
& CH 237	and Elem Organic Chem Lab	
MATH 125 or	Calculus I	4
MATH 145	Honors Calculus I	
ST 260 or	Statistical Data Analysis	3
BSC 380	Introduction to probability and statistics for biologists	

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"):

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 376	Invertebrate 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 436	Immunology Laboratory	3
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:

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 Intro To 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
bama.ua.edu/~chem
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.

	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/ 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
202 Bevell 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.

	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 General 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/ 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, BMB

Students entering the microbiology program typically have interests in science, the environment, and/ 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 cumulative grade point average, as well as in BSC courses. Admission into the program requires the approval of the Honors Program Committee and acceptance of the student by primary advisers and co-advisers. Requirements for the program include: four to eight hours of BSC 390 Honors Thesis Research BSC 390 Honors Thesis Research BSC 390 Honors Thesis Research BSC 390 Honors Thesis Research BSC 390 Honors Thesis Research BSC 390 Honors Thesis Research, an acceptable honors thesis, attendance in BSC 407 Honors Seminar In Bsc, completion of the advanced portion of the Graduate Record Examination and maintenance of at least a 3.4 GPA in BSC courses and a 3.4 cumulative GPA. Additional details are available in the office of the Department of Biological Sciences.

The Department of Biological Sciences also participates in the University Scholars Program that 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 their junior or senior year. For more information about the University Scholars Program, visit graduate.ua.edu or consult The University of Alabama graduate catalog.

Students earning the bachelor of science in microbiology (BMB) 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.

		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	Gen Bacteriol & Physiol	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	General Chemistry	4
CH 117	Honors General Chemistry	
CH 102 or	General Chemistry	4
CH 118	Honors General Chemistry	
CH 231	Elem Organic Chemistry I	3
CH 232	Elem Organic Chem II	5
& CH 237 and Elem Organic Chem Lab		
MATH 125 or	Calculus I	4
MATH 145	Honors Calculus I	

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 Intro To Bsc Instruction	
BSC 407	Honors Seminar In Bsc	

Total Hours 65

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:

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 Intro To 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 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:

BSC 313	Gen Bacteriology Lab	3
BSC 390	Honors Thesis Research	1-8
BSC 398	Undergraduate Research	1-4
BSC 439	Bch/Molecular Biology Lab	3
BSC 464	Biology Of Algae	4
BSC 472	Mycology	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. 253) 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-.

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 (Ph.D.), or Doctor of Science (Sc.D.).

Jobs of Experienced Alumni

Physician, pharmacist, optometrist, veterinarian, laboratory technician, teacher, professor, public health officer, pharmaceutical representatives.

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.

Hours

Minor courses		
BSC 300	Cell Biology	3

BSC 310	Microbiology	3
BSC 311	Gen Bacteriol & Physiol	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. 253) 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.

Department of Chemistry

The department of chemistry 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. 341)
 - Chemistry (BS) (p. 343)
- Minor
 - Chemistry (p. 343)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

CH101 General Chemistry

N

Hours 4

Three lectures and one three-hour laboratory. Degree credit is not awarded for both CH 101 and CH 107 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): MAPL of 467 or higher or ACT of 24 or higher or SAT of 560 or higher or MATH 100 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 MATH 100 or MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146

Prerequisite(s) with concurrency: MATH 112 or MATH 113 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146

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 108. Continuation of 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 101 or CH 117

Natural Science

View All Courses

Faculty

Chair

Shaughnessy, Kevin H.

Professors

Blackstock, Silas C.

Bowman, Michael K.

Cassady, Carolyn J.

Metzger, Robert M.

Nikles, David E.

Shaughnessy, Kevin H.

Timkovich, Russell

Vincent, John B.

MINT Professor

Gupta, Arunava

Robert Ramsay Professors

Dixon, David A.

Rogers, Robin D.

Saxon Professor

Arduengo, Anthony

Associate Professors

Bakker, Martin G.

Busenlehner, Laura S.

Jennings, Michael P.

Pan, Shanlin

Papish, Elizabeth T.

Snowden, Timothy S.

Street, Shane C.

Szulczewski, Gregory J.

Woski, Stephen A.

Assistant Professors

Bonizzoni, Marco

Frantom, Patrick A.

Goebbert, Daniel J.

Rupar, Paul A.

Vaid, Thomas P.

Chemistry, BCH

Students from our department tend to have strong credentials and typically go on to medical school or graduate studies in 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 Chemistry 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). Gamma Sigma Epsilon aims to recognize academic performance by chemistry majors, promote an interest in chemistry among students and the community and foster a feeling of fellowship among its members. To be eligible for membership, students must have completed or be near completion of their second year of chemistry courses, as well as have a minimum 3.3 cumulative GPA and a 3.3 GPA in all chemistry courses. Applications for membership are generally accepted in the spring semester.

Pre-health Professional Preparation

Students completing any of the chemistry major tracks 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 offers two undergraduate research courses designed to provide students with a hands-on experience at the forefront of chemistry. These courses include:

		Hours
CH 396 & CH 398	Undergrad Research and Undergrad Research	2-6
CH 396 & CH 399	Undergrad Research and Undergrad Research	2-6
CH 497 & CH 498	Intro To Research and Intro To Research	2-6
CH 497 & CH 499	Intro To Research and Intro To Research	2-6
Total Hours		8-24

In each course, students work directly with a faculty member on a research project. Chemistry majors, 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 advisers.

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.

Major Courses

The major in chemistry BCh degree requires the successful completion of one of the following tracks for 41 or 43 semester hours:

Chemistry Track

	Hours
CH 101 or CH 117 General Chemistry Honors General Chemistry	4
CH 102 or CH 118 General Chemistry Honors General Chemistry	4
CH 223 Quantitative Analysis	4
CH 231 Elem Organic Chemistry I	3
CH 232 Elem Organic Chem II & CH 237 and Elem Organic Chem Lab	5
CH 338 Elem Organic Chem Lab II	2
CH 341 Physical Chemistry	3
CH 342 Physical Chemistry	3
CH 348 Physical Chemistry Lab	2
CH 413 Inorganic Chemistry	4
CH 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 MATH 145 Calculus I Honors Calculus I	4
MATH 126 or MATH 146 Calculus II Honors Calculus II	4
MATH 227 or MATH 247 Calculus III Honors Calculus III	4
PH 105 or PH 125 General Physics W/Calc I Honors Gen Ph W/Calculus	4
PH 106 or PH 126 General Physics W/Calc II Honors Gen Ph W/Calculus II	4
Total Hours	61

Biochemistry Track

	Hours
CH 101 or CH 117 General Chemistry Honors General Chemistry	4
CH 102 or CH 118 General Chemistry Honors General Chemistry	4
CH 223 Quantitative Analysis	4
CH 231 Elem Organic Chemistry I	3
CH 232 Elem Organic Chem II & CH 237 and Elem Organic Chem Lab	5
CH 338 Elem Organic Chem Lab II	2
CH 341 Physical Chemistry	3
CH 342 Physical Chemistry	3
CH 348 Physical Chemistry Lab	2
CH 413 Inorganic Chemistry	4

CH 461	Biochemistry I	3
CH 462	Biochemistry II	3
CH 463	Biochem-Clin/Foren/Chem	3
Credit Hours Subtotal:		43

Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in chemistry culminating in the BCh degree requires the successful completion of the following courses outside the major:

MATH 125 or MATH 145 Calculus I Honors Calculus I	4
MATH 126 or MATH 146 Calculus II Honors Calculus II	4
MATH 227 or MATH 247 Calculus III Honors Calculus III	4
PH 105 or PH 125 General Physics W/Calc I Honors Gen Ph W/Calculus	4
PH 106 or PH 126 General Physics W/Calc II Honors Gen Ph W/Calculus II	4

Total Hours 63

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. 253) 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 (both 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.

industrial research and development; industrial sales; marketing and technical services; faculty positions in high school and higher education; government research and development

Types of Jobs Accepted

industrial research and development, academic careers (graduate and post graduate work), professional school (medical, dental, pharmacy)

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 from our department tend to have strong credentials and typically go on to medical school or graduate studies in chemistry.

The pre-health professional track is suitable for students who are primarily interested in attending a health professional school upon graduation. The major in chemistry (BS) may provide less flexibility in pursuing career options in chemistry and other scientific 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

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.

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.

Major Courses		Hours
CH 101 or CH 117	General Chemistry Honors General Chemistry	4
CH 102 or CH 118	General Chemistry Honors General Chemistry	4
CH 223	Quantitative Analysis	4
CH 231	Elem Organic Chemistry I	3
CH 232 & CH 237	Elem Organic Chem II and Elem Organic Chem Lab	5
CH 338	Elem Organic Chem Lab II	2
CH 340 & CH 343	Elem Physical Chem and Elem Phy Chem Lab	4
CH 461	Biochemistry I	3
CH 462	Biochemistry II	3
CH 463	Biochem-Clin/Foren/Chem	3
Credit Hours Subtotal:		35

Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The major in chemistry culminating in the BS degree requires the successful completion of the following courses outside the major:

Select one of the following:		4
BSC 114 & BSC 115	Principles Of Biology I and Laboratory Biology I	
BSC 118	Honors General Biology I	
Select one of the following:		4
BSC 116 & BSC 117	Principles Biology II 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. 253) 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.

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.

industrial research and development, industrial sales, marketing and technical services, faculty positions in high school and higher education, government, research and development

Types of Jobs Accepted

industrial research and development, academic careers (graduate and post graduate work), professional school (medical, dental, pharmacy)

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.

Minor Courses		Hours
CH 101 or CH 117	General Chemistry Honors General Chemistry	4

CH 102 or CH 118	General Chemistry Honors General Chemistry	4
CH 223	Quantitative Analysis	4
CH 231	Elem Organic Chemistry I	3
CH 232 & CH 237	Elem Organic Chem II and Elem Organic Chem Lab	5
CH 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.

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. 344)
- Minor
 - Communicative Disorders (p. 346)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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.

CD226 Lang & Speech Develop

Hours 3

Theory and practice of normal speech and language processes and sequences.

[View All Courses](#)

Faculty

Chair and Assistant Professor

Barber, Angela

Distinguished Graduate Research Professor

Formby, C. Craig

Clinical Assistant Professor and Clinic Director

Moss, Laura B.

Assistant Professors

Buhr, Anthony

Gosa, Memorie

Saffo, Rachel

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 can declare a major online under the Student tab of myBama.

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. Minimum GPA standards are required for clinical practicum. 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 Preprofess Lab Experienc) is required for enrollment in 300- and 400-level CD courses. CD 377 Clin Practicum I Speech and CD 445 Audiology Lab Experience are by application only, and permission of the instructor is required prior to enrollment in any CD 350 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.

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.

	Hours
Major Courses	
CD 225 Intro Comm Disorders	3
CD 226 Lang & Speech Develop	3
CD 244 Phonetics	3
CD 275 Anat Physio Sech Hear Mechansm	3
CD 277 Preprofess Lab Experienc	1
CD 308 Speech Disorders I	3
CD 309 Speech Disorders II	3
CD 351 Hearing Science	3
CD 411 Speech Science	3
CD 443 Basic Audiology	3
CD 444 Aural Rehabilitation	3
CD 462 Neuroscience for the Study of Communicative Disorders	3
Credit Hours Subtotal:	34

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.

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 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 Majors	
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:	14
Total Hours	48

Electives

Students may choose to take elective CD courses:

CD 350 Independent Study	1-3
CD 377 Clin Practicum I Speech	3
CD 445 Audiology Lab Experience	1-3

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 377 Clin Practicum I Speech 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:

CD 225 Intro Comm Disorders	3
CD 226 Lang & Speech Develop	3
CD 244 Phonetics	3
CD 275 Anat Physio Sech Hear Mechansm	3
CD 277 Preprofess Lab Experienc	1

CD 308	Speech Disorders I	3

- overall performance review and favorable evaluation by two graduate faculty members
- satisfactory performance on a departmental speech and language proficiency test and hearing screening as determined by the Evaluation Committee (**NOTE:** Failure of the speech and language test requires enrollment in speech-language therapy and retesting to determine if admission to the clinical practicum is possible. Appropriate follow-up steps recommended by the Evaluation Committee must be taken if a student fails the hearing screening.)

Fully licensed professionals can work in a number of settings including schools, hospitals, private practice and industry.

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

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.

Minor Courses		Hours
CD 225	Intro Comm Disorders	3
CD 226	Lang & Speech Develop	3
CD 275	Anat Physio Sech Hear Mechansm	3
CD 308	Speech Disorders I	3
CD 309	Speech Disorders II	3
CD 443	Basic Audiology	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 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
 - Criminal Justice (BA) (p. 347)
- Minors
 - Criminal Justice (p. 347)
 - Cyber Criminology (p. 348)
 - Sociology (p. 348)

The faculty output is controlled using the 'Faculty List' step in the toolbar. **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

Dolliver, Diana

Dolliver, Matthew

Kenney, Jennifer

Wakeham, Josh

Instructors

Bryant, Chenoia

Clay, Daniel

Guidry, Tiffany

Klutz, Douglas

Olin, Lin

Criminal Justice, BA

The BA in 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 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 criminal justice requires the successful completion of the following 36 semester hours (minimum grade of C-):

		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

¹ Students may apply up to 6 hours of CJ 395 Internship and 3 hours of CJ 499 Independent Study In CJ to the major.

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. 253) 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 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, Attorneys and who work in supervisory positions in both state and federal corrections and law enforcement agencies. Many of our undergraduates have attended graduate programs and some have earned PhD's 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 Organization welcomes all students with interest in the field of criminal justice.

		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

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. 253) 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 and 3 hours of CJ 499 Independent Study In CJ will count as CJ electives. 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.

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.

Minor Courses		
CC 201	Introduction to Cyber Criminology	3
CC 301	Cyber Law and Policy	3
CC 401	Law Enforcement in the Digital Age	3
CS 202	Intro to the Internet	3
Credit Hours Subtotal:		12
Electives		
Select six hours of the following:		6
AC 334	Introduction to Fraud Risk Management	
CC 402	Digital Forensic Investigation	
CJ 300	Survey Criminal Theories	
CS 340	Legal & Ethical Issues in Comp	
PY 368	Intro To Personality	
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. 253) 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.

		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. 253) 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

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 public policy.

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 Department of Economics offers a bachelor of arts (BA) degree and a minor in economics through both the College of Arts and Sciences and the Culverhouse College of Commerce and Business Administration. Following is the standard track that Arts and Sciences students may follow for a major in economics. Students in any college may pursue the minor in economics.

Standard Track

Students who wish to pursue a more challenging program can opt for the quantitative track, which requires EC 413 Economic 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

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 Economic 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 Economic Forecasting & Analysis	3
EC 471 Econometrics	3
12 hours of Economic Electives ¹	12
Total Hours	30

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 Economic Forecasting & Analysis and EC 471 Econometrics.

Mathematical Statistics Minor

Required Courses	Hours
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

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

Matt Holt, Department Head

Professors

James Peery Cover

Harold W. Elder

Walter Enders

Gary Hoover

Junsoo Lee

Paul Pecorino

Harris Schlesinger

Associate professors

Daniel J. Henderson

Paan Jindapon

Jun Ma

Robert Reed

Assistant professors

Peter Brummund

Susan Chen

Paula Cordero-Salas

Gregory Givens

Kevin Pflum
Matt Van Essen
Le Wang
Instructors
Hoda El-Karasky
Will Wash
Tao-Chen Yeh
Kent Zirlott

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. 352)
- Minors
 - Comparative & World Literature (p. 351)
 - Creative Writing (p. 351)
 - English (p. 353)
 - Interdisciplinary Linguistics (p. 354)

Prerequisites

Unless otherwise stated, upper-level English courses have the following prerequisites: 300-level courses require 12 hours of EN (including six hours at the 200 level), 400-level courses require 18 hours of EN (including six hours at the 200 level) and six hours at the 300 level.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

EN101 English Composition

FC

Hours 3

Introduction to college-level expository writing, critical reading, basic citation, and the rhetorical tools needed to participate successfully in the University of Alabama discourse community. 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

Intermediate college-level writing covering the principles of argumentation, advanced critical thinking and analysis, university-level research techniques, and research-paper writing. 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

Brouwer, Joel

Professors

Behn, Robin
Beidler, Philip D.
Brouwer, Joel
Burke, John J.
Davies, Catherine E.
Harris, Trudier
Liu, Dilin
Martone, Michael
O'Dair, Sharon
Pionke, Albert
Rawlings, Wendy
Ulmer, William A.
White, Heather Cass
White, Patti

Associate Professors

Ainsworth, David
Bilwakesh, Nikhil
Cook, Alexandra
Dayton, Amy
Drouin, Jennifer
Manora, Yolanda M.
McElroy, Tricia
McNaughton, James
Niiler, Lucas
Weiss, Deborah
Wells, Kellie
Whiting, Frederick
Wittman, Emily Ondine

Assistant Professors

Buck, Amber
Cardon, Lauren
Crank, James Andrew
Deutsch, David
Felt, Hali
Iheka, Cajetan
Kidd, Jessica
Nelson, Robert, Jr.
Robinson, Michelle
Smith, Cassander

Staples, Heidi
 Tedeschi, Stephen
 Tekobbe, Cindy
 Yoon, Duncan

Comparative & World Literature, Minor

Admission into the Minor

The minor in comparative world literature is only open to students who have completed two years of college-level coursework in a foreign language. Students are expected to formally declare a minor by completing the Change of Major/Minor Application online under the Student tab of myBama.

	Hours
Minor Courses	
EN 207 World Literature I	3
EN 208 World Literature II	3
Credit Hours Subtotal:	6
Literature Elective Courses	
Select 15 hours ¹	15
Credit Hours Subtotal:	15
Total Hours	21

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

ANT 215	Anthropology in Movies and Fiction	3
ANT 216	Ethnographic Cinema	3
CHI 350	Traditional Chinese Lit Trans	3
CL 222	Greek Roman Mythology	3
CL 234	Greek and Latin Medical Terms	3
CL 350	Roman Religion	3
CL 365	Greece & Rome in 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 275	Germany Contemp Europe	3
GN 371	German Culture and Civilization Thru 1832	3
GN 372	Germn Cult Civ 1832-Present	3
JA 356	Traditional Japanese Lit Trans	3
JA 357	Japanese Literature & Film	3
JA 371	Japanese Culture I	3
JA 372	Japanese Culture II	3
REL 231		3
REL 240	Apocalypse In Contemporary Fil	3
REL 311	English Bible As Literature	3
REL 340	Nietzsche and Religion	3

REL 341	Theories of Myth	3
REL 430	Religion and Literature	3
RUS 223	Russian Literature in Translation I	3
RUS 224	Russian Literature in Translation II	3
RUS 251	Russian Culture	3
RUS 252	Russian Folklore	3
RUS 325	Dostoevsky	3
RUS 326	Tolstoy	3
RUS 327	Chekhov	3
RUS 328	Nabokov	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. 253) 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 minor in comparative & world literature requires 202 or higher in any Foreign Language (FL).

Grades in ancillary courses are not computed into the minor GPA. **NOTE:** Computer science does not fulfill this 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.

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.

	Hours
Minor Courses	
EN 200 Intro Creative Writing	3
EN 301 Prose Tour	3
EN 303 Poetry Tour	3
EN 408 Advanced Creative Writing	3
EN 408 Advanced Creative Writing	3
EN 408 Advanced Creative Writing	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. 253) 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.

Ancillary Courses

This minor does not require ancillary courses.

Additional Minor Requirements

Students may not enroll in EN 200 Intro Creative Writing and any other creative writing course concurrently. Students may not enroll in EN 301 Prose Tour and EN 408 Advanced Creative Writing concurrently. Students may not enroll in EN 303 Poetry Tour and EN 408 Advanced Creative Writing concurrently. 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.

English, BA

English majors are expected to develop critical thinking skills that manifest themselves abundantly in advanced reading and writing skills. 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 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 30-50 page thesis. To be eligible for graduation with honors in English, participants must complete any two of the following courses: 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 grade point average in the English major and 3.3 grade point average 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.

		Hours
Major Courses		
Select three courses 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	World Literature I	
EN 208	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	
Select one of the following pre-1700 courses:		3
EN 330	Chaucer And Medieval Literatur	
EN 331	Chaucer	
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 341	American Poetry To 1900	
EN 342	American Fiction 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:

EN 300	Intro To English Studies	
EN 301	Prose Tour	
EN 303	Poetry Tour	
EN 309	Advanced Expository Writing	
EN 310	Special Topics Writing	
EN 317	Writing Center Practicum	
EN 319	Technical Writing	
EN 320	Intro To Linguistics	
EN 321	Linguistics 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

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 Prose Tour or EN 303 Poetry Tour.
- No more than 3 of the 18 elective hours may be fulfilled by EN 408 Advanced Creative Writing.
- A 301, 303, or 408 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. 253) 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

EN 430 English Internship is not applicable to the major in English. Either EN 317 Writing Center Practicum or EN 456 Writing Center Theory and Research is applicable to the major in English, but not both. 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 advisors are also available for additional assistance with College and University minor requirements.

Prerequisites and Conditions

Unless otherwise stated, upper-level English courses have the following prerequisites and conditions:

- 300-level courses require 12 hours of EN (including six hours at the 200 level)
- 400-level courses require 18 hours of EN (including six hours at the 200 level) and six hours at the 300 level
- EN 301 Prose Tour and EN 303 Poetry Tour require completion of EN 200 Intro Creative Writing
- EN 408 Advanced Creative Writing requires completion of EN 200 Intro Creative Writing, EN 301 Prose Tour, and EN 303 Poetry Tour
- Students may not enroll in EN 200 Intro Creative Writing and any other creative writing course concurrently
- Students may not enroll in EN 301 Prose Tour and EN 408 Advanced Creative Writing concurrently
- Students may not enroll in EN 303 Poetry Tour and EN 408 Advanced Creative Writing concurrently

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, but the department's English majors most commonly 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, even a couple of authors of best sellers.

Jobs of Experienced Alumni

Alumni include, as might be expected, countless college professors and instructors across the land 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

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.

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 World Literature I	
EN 208 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

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.

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 253) 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 adviser each semester in the major department for academic planning and to be approved for registration. College advisers 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.

Minor Courses

Select three hours of the Following Foundations Courses:	3
EN 201 How English Works	
FR 361 Intro Romance Linguistic (Same as IT 361 and SP 361)	
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
ANT 210 Language And Culture	
ANT 401 Theory and Method in Linguistic Anthropology	
CD 244 Phonetics	
CD 275 Anat Physio Sech Hear Mechansm	
EN 320 Intro To Linguistics	
EN 423 History of the English Language	
EN 424 Structure Of English	
EN 425 Variation in American English	
EN 466 Advanced Studies In Linguistics	
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 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	
CD 226 Lang & Speech Develop	
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. 253) 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:

1. Both 101 and 102 of any foreign language;
2. 103 of any foreign language;

3. 104 of any foreign language;
4. 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.

Environmental Science

- Major
 - Environmental Science (BS) (p. 355)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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.

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.

	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
CH 101 or General Chemistry	4
CH 117 Honors General Chemistry	
CH 102 or General Chemistry	4
CH 118 Honors General Chemistry	
GEO 101 or The Dynamic Earth	4
GY 102 Earth Surface Processes	
GEO 105 Sustainable Earth	4
GY 101 Atmospheric Proc & Patterns	4
GY 204 Map & Air Photo Interpretation	4
Select one of the following:	3
GY 339 Natural Resource Envrirn Plang	
GY 441 Land Use Regulations	
GY 452 Environ Decision Making	
GY 453 Environment & Society	
GY 460 Environmental Management	
GY 420 or Remote Sensing I	4

GY 430	Intro Geographic Info Systems	
PY 211 or	Elem Statistical Methods	3
ST 260	Statistical Data Analysis	
Credit Hours Subtotal:		45
Upper Division Electives		
Select 16 hours (see below)		16
Credit Hours Subtotal:		16
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		65

Upper Division Electives

Students must complete an additional 16 hours of upper division electives from the following courses:

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 470	Special Topics	3
GY 472	Soil Science	4
GY 483	Environment Science Internship	3-9
GY 486	Watershed Dynamics	3
GY 489	Forest Ecology Veg Analy	4
GY 492	Eastern Forest Communities and Silvics	4
GY 493	Plant Geography	4
GY 494	Forest Measurement & Analysis	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 424	Topics In Geology	1-4
GEO 446	Scientific Computing	3
BSC 320	Freshwater Studies	4
BSC 325	Tropical Plant Diversity	4
BSC 360	Plant Biology	4
BSC 373	Vertebrate Zoology	4
BSC 376	Invertebrate Zoology	4
BSC 386	General Ecology Lab	2
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 471	Plant Physiology	3
BSC 472	Mycology	4
BSC 475	General Entomology	4
BSC 476	Aquatic Insects	4
BSC 480	Plant Ecology	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 314	Dendrology	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. 253) 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 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.

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 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

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, Environmental Inspector.

Learn more about opportunities in this field at the Career Center

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. 357)
- Minors
 - African American Studies (p. 358)
 - Women's Studies (p. 359)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

AAST100 "Call and Response"

Hours 1

This course is designed to generate student interest and excitement in African American Studies by giving students opportunities to explore facets of African American cultural experiences. Following an interdisciplinary approach, this course will allow students to discover the rich diversity of African American cultural practices such as music, visual arts, literature, storytelling, dance, and religious practice. This course allows students at UA and UAB to experience the expertise of faculty from both institutions. It is also web-enhanced and has components on both UA's and UAB's BlackBoard systems for which UA and UAB students will access.

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 professor

Purvis, Jennifer

Assistant professors

Fishel, Stefanie

Green, Hilary

Jones, Jennifer

Shoaff, Jennifer

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 westside 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 Manly Hall

as.ua.edu/grs/programs/african-american-studies-program

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.

	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 320 20th Century Black History or HY 320 20th Century Black History	
AAST 352 Social Inequality	
AAST 401 Black Intellectual Thought	
AAST 435 Black Feminism	
AAST 436 Gender and Black Masculinity	
AAST 340 Women in the South	
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

Electives¹

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:

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 Public Address	3
COM 495 Special Topics	3-6
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 200 Special Studies in Hy	1-3
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 & Soc 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. 253) 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.e 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, 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, School 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 Manly Hall
as.ua.edu/grs/programs/african-american-studies-program
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.

Minor Courses	Hours

Select four of the following:	12
AAST 201 Intro African Amer Study or AMS 201Intro 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 320 20th Century Black History or HY 320 20th Century Black History	
AAST 352 Social Inequality	
AAST 401 Black Intellectual Thought	
AAST 435 Black Feminism	
AAST 436 Gender and Black Masculinity	
Credit Hours Subtotal:	12
Electives	
Select three AAST electives or other approved electives	9
Credit Hours Subtotal:	9
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:

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 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 200 Special Studies in Hy	1
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 & Soc Injustice	3

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 253) 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 Manly Hall
as.ua.edu/grs/programs/womens-studies-program
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.

Minor Courses			Hours
WS 200	Intro To Women Studies		3
WS 430 or WS 470	Contemporary Issues: Feminist Theory Gender, Race, and Class		3
Credit Hours Subtotal:			6
Electives			
Select three hours of WS elective 300 or 400 level			3
Select nine hours of WS elective or approved elective			9
Credit Hours Subtotal:			12
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. 253) 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. 360)
 - Geography (BS) (p. 362)
- Minors
 - Geography (p. 363)
 - Geographic Information Systems (GIS) (p. 360)
 - Geographic Information Systems (GIS) for Non-Majors (p. 360)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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

Han, Luoheng

Weber, Joe

Associate Professors

Appiah-Opoku, Seth

Davis, Lisa
Justin Hart
Richetto, Jeffrey P.
Steinberg, Michael K.
Therrell, Matthew

Assistant Professors

Broadbent, Eben
Cohen, Sagy
Praskievicz, Sarah
Senkbeil, Jason

Instructors

Ericson, Steven
Wallace-Pitts, Mary

Geographic Information Systems (GIS) for Non-Majors, 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.

	Hours
Required Courses	
GY 230 Geographic Information Systems	3
GY 330 Computr Mapping Graphics	4
GY 420 Remote Sensing I	4
Select two of the following courses:	8
GY 430 Intro Geographic Info Systems	
GY 431 GIS in Emergency Management	
GY 435 Remote Sensing II	
GY 436 Adv Geographic Info Syst	
GY 437 GIS for Transportation	
GY 438 Application Issues In Gis	
GY 439 GIS Programming	
GY 442 GIS in Biogeography	
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. 253) 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 for non-majors is not open to Geography majors. 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.

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.

	Hours
Minor Courses	
GY 420 Remote Sensing I	4
GY 430 Intro Geographic Info Systems	4
GY 439 GIS Programming	4
Select two of the following courses:	8
GY 330 Computr Mapping Graphics	
GY 431 GIS in Emergency Management	
GY 435 Remote Sensing II	
GY 436 Adv Geographic Info Syst	
GY 437 GIS for Transportation	
GY 438 Application Issues In Gis	
GY 442 GIS in Biogeography	
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. 253) 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.

	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, and 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. 253) 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)

	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 463 Ecosystem Services: Theory and Practice	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 and Silvics	4
GY 493 Plant Geography	4
GY 494 Forest Measurement & Analysis	4
GY 495 Coastal Geomorphology	3

Concentration II: Regional, Urban and Environmental Planning (minimum of 12 hours)

	Hours
GY 200 Principles Of Planning	3
GY 317 Natural Hazards	3
GY 339 Natural Resource Envirnmn Plang	3
GY 341 Geography Of Us And Canada	3
GY 344 Geography Of Africa	3
GY 346 Geography Of Europe	3
GY 351 Geography Of Alabama	3
GY 358 Urban Geography	3
GY 365 Industrial Develop & Location	3
GY 370 Special Topics	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 The Geography of 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 450 Conservation Field Studies in Belize	4

GY 452	Environ Decision Making	3
GY 453	Environment & Society	3
GY 454	Costa Rica Field Studies: Tropical Ecology, Conservation, and Development	4
GY 455	Planning Practicum	3-9
GY 456	Planning Internship	3-9
GY 458	Urban Planning And Analysis	3
GY 460	Environmental Management	3
GY 465	Region Planning Analysis	3
GY 466	Region Urban Transport Systems	4
GY 470	Special Topics	3

Concentration III: Geographic Information Techniques (minimum of 12 hours)

		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	4
GY 431	GIS in Emergency Management	4
GY 432	Spec Research In Geog	1-4
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 438	Application Issues In Gis	4
GY 439	GIS Programming	4
GY 442	GIS in Biogeography	4

Types of Jobs Accepted

environmental consultant, forest technician, geographic information systems analyst, land steward, park ranger, regional and urban, or environmental planner, remote sensing analyst, scientist, software engineer, Central Intelligence Agency, U.S. Environmental Protection Agency, U.S. Forest Service, U.S. Geological Survey, National Oceanic & Atmospheric Administration, 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.

		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, and 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. 253) 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)

	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 463 Ecosystem Services: Theory and Practice	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 and Silvics	4
GY 493 Plant Geography	4
GY 494 Forest Measurement & Analysis	4
GY 495 Coastal Geomorphology	3

Concentration II: Regional, Urban and Environmental Planning (minimum of 12 hours)

	Hours
GY 200 Principles Of Planning	3
GY 317 Natural Hazards	3
GY 339 Natural Resource Envrirn Plang	3
GY 341 Geography Of Us And Canada	3
GY 344 Geography Of Africa	3
GY 346 Geography of Europe	3
GY 351 Geography Of Alabama	3
GY 358 Urban Geography	3
GY 365 Industrial Develop & Location	3
GY 370 Special Topics	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 The Geography of 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 450 Conservation Field Studies in Belize	4

GY 452 Environ Decision Making	3
GY 453 Environment & Society	3
GY 454 Costa Rica Field Studies: Tropical Ecology, Conservation, and Development	4
GY 455 Planning Practicum	3-9
GY 456 Planning Internship	3-9
GY 458 Urban Planning And Analysis	3
GY 460 Environmental Management	3
GY 465 Region Planning Analysis	3
GY 466 Region Urban Transport Systems	4
GY 470 Special Topics	3

Concentration III: Geographic Information Techniques (minimum of 12 hours)

	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	4
GY 431 GIS in Emergency Management	4
GY 432 Spec Research In Geog	1-4
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 438 Application Issues In Gis	4
GY 439 GIS Programming	4
GY 442 GIS in Biogeography	4

Types of Jobs Accepted

Environmental Consultant, Forest Technician, Geographic Information Systems Analyst, Land Steward, Park Ranger, Regional & Urban, or Environmental Planner, Remote Sensing Analyst, Scientist, Software Engineer, Central Intelligence Agency, U.S. Environmental Protection Agency, U.S. Forest Service, U.S. Geological Survey, National Oceanic & Atmospheric Administration, City, County, & Regional Planning Commissions.

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.

	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, and 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. 253) 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. 365)
 - Geology (BS) (p. 365)
 - Geology (BSG) (p. 366)
- Minor
 - Geology (p. 367)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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

Andrus, C. Fred T.

Professors

Aharon, Paul, Loper Chair

Cemen, Ibrahim

Donahoe, Rona J.

Stowell, Harold H.

Zheng, Chunmiao

Associate Professors

Goodliffe, Andrew M.

Hansen, Samantha

Perez-Huerta, Alberto

Robinson, Delores M.

Tick, Geoffrey R.

Zhang, Yong

Assistant Professors

Dimova, Natasha

Genareau, Kimberly

Keene, Deborah

Lu, Yuehan

Mahatsente, Rezene

Tobin, Thomas

Zhang, Bo

Part-time Instructors

Ikejiri, Takehito

Lambert, W. Joe

Smithson, Tony

Whitaker, Laura

Professors Emeriti

Groshong, Richard

Hooks, Gary

Mancini, Ernest

Stock, Carl

Geology, BA

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 a Geology Club in which students participate in educational, social and community service activities, often including field trips. Additionally, undergraduates are encouraged to conduct laboratory and field research under the direction of faculty.

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.

		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. 253) 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 DOE, the Interior Department and the EPA.

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

Interested students pursuing a major in geology (BS or BSG) can apply for admission to the geological sciences honors program after earning 13 hours of geological science courses. In addition to meeting the major requirements for BS or BSG, participants must maintain a 3.3 GPA for all geological science courses and 3.0 cumulative GPA. Honors students earn a grade of Pass or Fail in the honors seminars (GEO 435 Honors Sem In Geology and GEO 436 Honors Sem In Geology). They must also complete six hours of honors research (GEO 499 Research In Geology) and present the results in the honors seminar. Students should also submit an acceptable honors thesis based on research conducted under

the supervision of a faculty member of the department of geological sciences.

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.

	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 General Chemistry	4
CH 117 Honors General Chemistry	
CH 102 or General Chemistry	4
CH 118 Honors General Chemistry	
CH 223 Quantitative Analysis	4
PH 105 or General Physics W/Calc I	4
PH 125 Honors Gen Ph W/Calculus	
PH 106 or General Physics W/Calc II	4
PH 126 Honors Gen Ph W/Calculus II	
MATH 125 or Calculus I	4
MATH 145 Honors Calculus I	
MATH 126 or Calculus II	4
MATH 146 Honors Calculus II	
MATH 227 or Calculus III	4
MATH 247 Honors Calculus III	
MATH 238 Appld Diff Equations I	3
Credit Hours Subtotal:	35
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. 253) 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 DOE, the Interior Department, and the EPA 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

Interested students pursuing a major in geology (BS or BSG) can apply for admission to the geological sciences honors program after earning 13 hours of geological science courses. In addition to meeting the major requirements for BS or BSG, participants must maintain a 3.3 GPA for all geological science courses and 3.0 cumulative GPA. Honors students

earn a grade of Pass or Fail in the honors seminars (GEO 435 Honors Sem In Geology and GEO 436 Honors Sem In Geology). They must also complete six hours of honors research (GEO 499 Research In Geology) and present the results in the honors seminar. Students should also submit an acceptable honors thesis based on research conducted under the supervision of a faculty member of the department of geological sciences.

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.

	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 General 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. 253) 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 DOE, the Interior Department, and the EPA 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.

	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. 253) 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. 369)
- Minors
 - History (p. 370)
 - Latin American and Latino Studies (p. 371)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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

Frederickson, Kari

Director of Graduate Studies in History

Riches, Daniel L.

Director, Undergraduate Studies in History

Mixson, James

Director of the Frances S. Summersell Center for the Study of the South

Rothman, Joshua

Charles G. Summersell Chair in Southern History

Rable, George C.

Professors

Beeler, John F.

Beito, David T.

McClure, George W.

Mendle, Michael J.

Associate Professors

Giggie, John

Kopelson, Heather

Grout, Holly

Shaw, Jenny

Peacock, Margaret

Abruzzo, Margaret N.

Bunker, Steven B.

Huebner, Andrew J.

Kohl, Lawrence F.

Lindquist-Dorr, Lisa

Riches, Daniel L.

Selesky, Harold E.

Assistant professors

Elmore, Bartow

Luo, Di

Peterson, Erik

Ponce-Vazquez, Juan

Steinbock-Pratt, Sarah

Lafferty, Sean

Green, Sharony

Cribelli, Teresa

Wasserman, Ian Janek

Professors emeriti

McDonald, Forrest

Freyer, Tony A.

Delpar, Helen

Jones, Howard

Clayton, Lawrence A.

Mendle, Michael

History, BA

Students who do best in history are those who are interested in people of different times and places and who have a curiosity about how human institutions and societies work. They are people who do not see the past as obsolete, but as deeply meaningful and instructive for those who take the time to penetrate its mysteries. Students who flourish in history are usually people who love to read and to express themselves in writing.

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 sponsors a club that is open to all students. It also sponsors a chapter of Phi Alpha Theta, the history honorary society. Phi Alpha Theta is open to both majors and non-majors who have junior standing or above, have completed at least 12 hours in history with a GPA of 3.3 or above, and have a cumulative GPA of at least 3.0.

Students earning the bachelor of arts (BA) degree with a major in 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 for a minimum of 120 applicable semester hours.

		Hours
Major Courses		
HY 430	UG Research Seminar ¹	3
Majors must take 15 hours in the following introductory surveys; must consist of one sequence, and include at least 3 hours of American Civ and 3 hours of Western Civ: ²		15
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 105	Honors West Civ To 1648	
HY 106	Honors West Civ Sc 1648	
HY 107	Honors American Civilization to 1865	
HY 108	Honors American Civilization Since 1865	
HY 110	Comparative World Civ	
HY 111	Colonial Latin America	
HY 112	Modern Latin America Since 1808	
HY 113	Asian Civilization to 1400	
HY 114	Modern Asia since 1400	
HY 115	History of Science to 1687	
HY 116	History of Science Since 1687	
Credit Hours Subtotal:		18
Field Requirement		
Select three hours from each field		9
Credit Hours Subtotal:		9
Electives		
Select nine hours of HY electives		9

Credit Hours Subtotal:	9
Total Hours	36

- 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.
- ² For students who elect to complete the Western Civilization sequence, HY 101 Western Civ To 1648 or HY 105 Honors West Civ To 1648 is the preferred course option. Note that HY 110 Comparative World Civ may be substituted for HY 101 Western Civ To 1648 or HY 105 Honors West Civ To 1648.

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 200 Special Studies in Hy, HY 300 Special Studies in History, HY 301 Independent Study, HY 395 History Colloquium, 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 this requirement.

Field 1: United States History

HY 225	Hy Alabama To 1865	3
HY 226	Hy Alabama From 1865	3
HY 295	Us Naval History	3
HY 312	American South Before 1865	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 318	U S Since 1945	3
HY 319	19th Century Black History	3
HY 320	20th Century Black History	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 326	Us-World Power sc 1898	3
HY 327	Women in Early America	3
HY 330	Civil Rights Movement	3
HY 341	Hy US - Vietnam War	3
HY 408	Colonial Us to 1763	3
HY 409	Amer Rev/New Nation	3
HY 411	Comp. Slavery & Emancipation	3
HY 413	Mexican War Thru Civil War	3
HY 416	Us Fr Recons To Wwar I	3
HY 417	US from WWI to WWII	3
HY 424	American Thought Before 1860	3
HY 425	American Thought since 1860	3
HY 428	Women In America	3
HY 429	Spanish Frontier in N. America	3
HY 432	Gender and Native Americans: Beyond Pocohontas	3
HY 480	Survey of Military History	3

Field 2: European History

HY 235	Christ Church To 1500	3

HY 236	Christ Church Sc 1500	3
HY 247	England To 1688	3
HY 321	Religion in Modern Europe	3
HY 349	History of France 1760-present	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 385	History Of Greece	3
HY 386	History Of Rome	3
HY 390	Survey of Irish History	3
HY 442	The Middle Ages	3
HY 443	Renaissance	3
HY 444	Reform & Counter-Reformation	3
HY 446	Age of Reason 1715-89	3
HY 448	Women in Europe since 1750	3
HY 451	Early Modern Germany	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 493	Britain in the 18th Century	3
HY 494	Britain in the Victorian Age	3

Field 3: African, Asian or Latin American History

HY 377	Mexico since 1810	3
HY 384	Ancient Egypt Near East	3
HY 402	Modern Japan since 1550	3
HY 403	Chinese Civ. to 1600	3
HY 404	Modern China since 1600	3
HY 471	Age Exploration & Conquest	3
HY 474	Relation US Latin Amer	3
HY 475	Caribbean Basin 1492 - Present	3
HY 476	HY Religion in Latin America	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. 253) section of this catalog for an explanation on grade point average calculations.

Upper-level Residency

A minimum of 15 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 nine hours of honors work, including HY 399 History Honors Colloquium, a six-hour thesis (HY 498 Honors Thesis I and HY 499 Honors Thesis II) to be completed under the direction of a tenured or tenure-track member of the department. HY 399 History Honors Colloquium is usually taken in the junior year; HY 498 Honors Thesis I and HY 499 Honors Thesis II are typically completed in the senior year. Students who complete a History Honors thesis (HY 498 Honors Thesis I/HY 499 Honors Thesis II) are exempt from HY 430 UG Research Seminar requirement. 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.

Types of Jobs Accepted

The history major can lead students into careers in teaching, archives, libraries, museums, publishing, historic preservation, and non-profit institutions. It also provides a solid foundation for careers in business, government, law and many other fields.

Jobs of Experienced Alumni

Former UA history majors teach in many schools and colleges, are museum curators and directors and serve on the Alabama Historical Commission. They sit in the U.S. House of Representatives, the U.S. Senate, and on the Alabama Supreme Court. Some are vice-presidents of major corporations, newspaper and television journalists, fighter pilots and even professional football coaches.

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.

		Hours
Minor Courses		
Select one of the following: ¹		3
HY 101	Western Civ To 1648	
HY 105	Honors West Civ To 1648	
HY 110	Comparative World Civ	
HY 102 or	Western Civ Since 1648	3
HY 106	Honors West Civ Sc 1648	

	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

¹ HY 101 Western Civ To 1648 or HY 105 Honors West Civ To 1648 is preferred, but HY 110 Comparative World Civ can substitute.

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 253) 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.

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.

	Hours
Minor Courses	
Select 15 Hours of approved electives in three or more disciplines	15
	Credit Hours Subtotal: 15

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
CRL 101	Elementary Critical Language I	
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	
POR 202	Intermed Portuguese II	
SP 101	Introductory Spanish I	
SP 102	Introductory Spanish II	
SP 103	Intensive Review Intro Spanish	
SP 201	Intermediate Spanish	
SP 202	Intermediate Spanish	
Total Hours		21

Approved Electives

American Studies

		Hours
AMS 310	The Latino/Latina Experience	3
AMS 415	Service Learning	3
AMS 460	Race & Ethnicity in US Labor	3

Anthropology

		Hours
ANT 319	Ancient New World Civilization	3
ANT 408	Ancient Mexican Civilization	3
ANT 409	Ancient Maya Civilization	3
ANT 413	Peoples Of Latin Amer	3

Biology

		Hours
BSC 325	Tropical Plant Diversity	4

Economics

		Hours
EC 442	Economic Development of Latin America	3

English

		Hours
EN 411	Adv Stdy Comptv Multi-Cutl Lit (US-Mexico Border Literature)	3
EN 411	Adv Stdy Comptv Multi-Cutl Lit (Caribbean Literature)	3
EN 422	Adv Studies Americ Literature	3

History

		Hours
HY 111	Colonial Latin America	3
HY 112	Modern Latin America Since 1808	3
HY 300	Special Studies in History (History of Argentina)	3
HY 300	Special Studies in History (History of Modern Argentina)	3
HY 300	Special Studies in History (Gender and Slavery in the Caribbean)	3
HY 300	Special Studies in History (A History of the Atlantic World, 1400-1800)	3
HY 300	Special Studies in History (Drugs, Booze, and Mexican Society)	3

HY 300	Special Studies in History (Mexico Since 1810)	3
HY 400	Special Studies in History (History of Cuba)	1-6
HY 400	Special Studies in History (Slavery and Emancipation in Brazil)	1-6
HY 411	Comp. Slavery & Emancipation	3
HY 429	Spanish Frontier in N. America	3
HY 474	Relation US Latin Amer	3
HY 475	Caribbean Basin 1492 - Present	3

Modern Languages and Classics

		Hours
FR 324	Commercial French	3
FR 470	Undergrad Sem In French (Francophone Louisiana)	3
FR 470	Undergrad Sem In French (Francophone Africa)	3
FR 480	Special Topics (Francophone Louisiana)	3
FR 480	Special Topics (Francophone Africa)	3
SP 353	Spanish Conversation	3
SP 355	Spanish for Native and Heritage Speakers	3
SP 356	Adv Grammar And Compos	3
SP 362	Spanish for Healthcare Professionals	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	Introduction to US Latino literatures and cultures	3
SP 389	Spanish Outreach	3
SP 483	Intro to Spanish Linguistics	3
SP 484	Phonetics And Pronunciation	3
SP 487	Open Topics in US Latino Studies	3
SP 489	Open Topics Sp-Amer Lit (Spanish-American Literature)	3
SP 489	Open Topics Sp-Amer Lit (Between Myth and History: Iconography of Eva Peron in the Visual Arts and in Narrative)	3
SP 492	Spanish in the US	3

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 253) 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.

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. 374)
- Minors
 - Mathematics (p. 375)
 - Mathematical Statistics (p. 373)
 - Mathematics Education (p. 373)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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 or higher or ACT Math Subscore of 18 or SAT Math Subscore of 440 or higher or MATH 005

[View All Courses](#)

Faculty

Chair and Professor

Cruz-Urbe, David

Professors

Allen, Paul J.

Corson, Jon M.

Dixon, Martyn R.

Evans, Martin

Hadji, Layachi

Halpern, David C. M. J.

Liem, Vo Thanh

Moore, Robert L.

Olin, Robert F.

Sidje, Roger

Sun, Min

Wang, James L.

Wang, Pu

Zhao, Shan

Associate Professors

Belbas, Starvos

Gleason, Jim

Moen, Kabe

Roberts, Lawrence

Trace, Bruce S.

Zhu, Wei

Assistant Professors

Ames, Brendan

Beznosova, Oleksandra

Chen, Yuhui

Ferguson, Timothy

Kwon, Hyun

Tosun, Bulent

Xu, Yangyang

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.

	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. 253) 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

math.ua.edu

education.ua.edu

A minor in mathematics education is available to students pursuing the mathematics major (mathematics education track). The mathematics education major does not lead to a teaching certification. Successful completion of the minor provides foundation coursework for admission to the alternative certification program in the College of Education that leads to master's level teaching certification in secondary education.

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 a passing score on the Basic Skills Assessments of the Alabama Educator Certification Assessment Program (AECAP). Information about the Basic Skills Assessments can be found online at actapps.act.org/wkala/wkala.

Admission into the Minor

To be eligible for the mathematics education minor, a student must major in mathematics (mathematics education track). Students are expected to formally declare this minor through the College of Education.

	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
Credit Hours Subtotal:	17
Electives	
Select three hours from the following:	3
CAT 200 Computer Education Application	
CAT 250 Computer Educ Curric Devel	
EDU 401 Dyn. of American Ed: Honors	
EDU 402 Honors Educational Diversity and Advocacy	
EDU 403 Honors Educational Policy	
HD 401 Cult Infl Child Yth Fam	
HD 412 Adult Development	
SPE 302 Educatl Diagn Measurmt	
SPE 382 Teaching Thinking Skills	
Credit Hours Subtotal:	3
Total Hours	20

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. 253) 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

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 is available to qualified undergraduate mathematics majors. Research experiences are possible for advanced undergraduate students. The University of Alabama also has a chapter of Pi Mu Epsilon, a national mathematics honor society. The Department of Mathematics participates in the University Scholars 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 University Scholars 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 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.

The major in mathematics requires the successful completion of 36-37 semester hours, including the core mathematics courses, a specific track and ancillary courses.

	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
MATH 301 Discrete Mathematics	3
Credit Hours Subtotal:	21

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 the following (2) courses outside the major:	
Select one of the following:	2-4
CS 100 CS I for Majors	
CS 104 Computer Science Principles	
CS 150 Programming I	
Select one of the following:	2-4
CS 101 CS II for Majors	
CS 250 Programming II	
ST 260 Statistical Data Analysis	
Credit Hours Subtotal:	4-8

Track	
Select a track (see below)	15-16
Credit Hours Subtotal:	15-16
Total Hours	40-45

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. 253) 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.

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.

Tracks

Pure Mathematics Track

	Hours
Core mathematics courses	
MATH 470 Prin Modern Algebra I	3
MATH 485 Intro Complex Variables	3
MATH 486 Introduction to Real Analysis I	3
Select two of the following:	6
MATH 371 Advanced Linear Algebra	
MATH 465 Intro General Topology	

MATH 471	Prin Modern Algebra II	
MATH 487	Introduction to Real Analysis II	
Total Hours		15

Applied Mathematics – Scientific Computation Track

		Hours
Core mathematics courses		
MATH 300	Intro Numerical Analysis	3
MATH 343	Appl Diff Equations II	3
MATH 410	Numerical Linear Algebra	3
Select two of the following:		6
MATH 355	Theory Of Probability	
MATH 420	Linear Optimization Theory	
MATH 421	Non-Linear Optimization Theory	
MATH 432	Graph Theory & Applctns	
MATH 441	Boundary Value Problems	
MATH 485	Intro Complex Variables	
MATH 486	Introduction to Real Analysis I	
or		
MATH 495	Undergraduate Research Experience	
Total Hours		15

Applied Mathematics – Classical Track

		Hours
Core mathematics courses		
MATH 300	Intro Numerical Analysis	3
MATH 343	Appl Diff Equations II	3
MATH 441	Boundary Value Problems	3
MATH 485	Intro Complex Variables	3
Select one of the following:		3
MATH 410	Numerical Linear Algebra	
MATH 442	Integral Transf & Asympt	
MATH 486	Introduction to Real Analysis I	
Total Hours		15

Applied Mathematics – Optimization Track

		Hours
Core mathematics courses		
MATH 300	Intro Numerical Analysis	3
MATH 355	Theory Of Probability	3
MATH 410	Numerical Linear Algebra	3
Select two of the following:		6
MATH 420	Linear Optimization Theory	
MATH 421	Non-Linear Optimization Theory	
Total Hours		15

Mathematical Statistics Track

		Hours
Core mathematics courses		
MATH 300	Intro Numerical Analysis	3
MATH 355	Theory Of Probability	3
MATH 451	Math Stats W/Applictn I	3
MATH 452	Math Stats W/Applictn II	3
Select one of the following:		3

MATH 422	Mathematics For Finance I	
MATH 457	Stochastic Processes I	
MATH 486	Introduction to Real Analysis I	
ST 450	Statistical Methods in Research I	
ST 451	Statistical Methods in Research II	
Total Hours		15

Mathematics Education Track

This track is open to all students and should be followed by those planning to enter the teaching profession in the future. 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. 479).

		Hours
Core mathematics courses		
MATH 355	Theory Of Probability	3
MATH 403	Adv Math Connections & Devlpn	3
MATH 404	Topics Math Secondary Teachers	1
MATH 405	Geometry For Teachers	3
MATH 470	Prin Modern Algebra I	3
MATH 486	Introduction to Real Analysis I	3
Total Hours		16

Industrial careers (computer programing, operation research, finance, insurance, actuary, data mining, marketing and technical services), academic careers (graduate and postgraduate work in mathematics, engineering, finance, economics), professional schools (medical school, law school), faculty positions in GK-12, government positions (researcher, data analyst, cryptologist, statistician).

Types of Jobs Accepted

Computer companies, finance, insurance, actuary, credit card companies, operation research analyst, academic careers (graduate and postgraduate work), professional school (medical, law), government research and development.

Jobs of Experienced Alumni

Alumni have worked in academic careers, industries (computer, engineering, finance, insurance, and actuary), law firms, medical services, the National Security Agency, and government.

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.

		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. 253) 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.

Marine Science Program

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](#)

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 five tracks: classical civilization, French, German, Latin and Greek. Also offered are minors in Chinese, French, German, Greek, Italian, Japanese, Latin, Russian and Spanish. 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. 377)
 - Spanish (BA) (p. 383)

- Minors
 - Chinese (p. 377)
 - French (p. 380)
 - German (p. 381)
 - Greek (p. 381)
 - Italian (p. 382)
 - Japanese (p. 382)
 - Latin (p. 382)
 - Russian (p. 383)
 - Spanish (p. 384)

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 Arabic, Azerbaijani, Farsi (Persian), Hebrew, Hindi, Indonesian, Korean, Nahuatl, Norwegian, Portuguese (Brazilian), Swahili, Thai, Turkish and Vietnamese.

The unique directed-self-study system consists of each student's self study using assigned textbook and 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.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

ARB101 Elementary Arabic

FL

Hours 4

Students will learn the spoken and written language of Modern Standard Arabic. This course is intended for students with NO PRIOR KNOWLEDGE of Arabic. 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

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

Lightfoot, Douglas

Professors

Fox, Thomas C.

Picone, Michael D.

Schnepf, Michael A.

Summers, Kirk

Zupancic, Metka

Associate professors

Cipria, Alicia B.

Corbalán, Ana M.

Drozd, Andrew M.

Edmunds, Bruce

Godorecci, Barbara J.

Godorecci, Maurizio A.

Janiga-Perkins, Constance G.

Lazda-Cazers, Rasma

Mayer-Robin, Carmen

Robin, Jean Luc

Rodeño, Ignacio F.

Summers, Tatiana

Worden, William

Assistant Professors

Drewelow, Isabelle

Elnaili, Safa

Harms, Viktoria

Koronkiewicz, Bryan

Monette, Marie-Eve

Moody, Sarah

O'Rourke, Erin

Range, Regina

Romanelli, Claudia

Shannon, Kelly

Vázquez, Karina

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.

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:		6
CHI 350	Traditional Chinese Lit Trans	
CHI 351	Modern Chinese Lit Trans	
CHI 401	Advanced Reading and Writing Chinese I	
CHI 402	Advanced Reading and Writing 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. 253) 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.

Foreign Languages and Literature, BA

Students who choose the classical civilization track of the foreign language major will have an interest in the fundamental ideas and structures of western civilization. Students are expected to gain a rudimentary knowledge of Greek or Latin, if not both. Students who pursue this track should not expect to continue on in classics on the graduate level (though ancient history is an option), but are preparing themselves for various professional degrees by acquiring a broad understanding of the humanistic issues we have faced and addressed throughout history.

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 classics program offers numerous opportunities for students to learn about the ancient world. Students may participate in the Classics Academy Club, become initiated into Eta Sigma Phi, work as peer mentors for CL 222 Greek Roman Mythology and earn credit during the summer study abroad program in Greece. In addition, the German program offers numerous opportunities for students to learn about the German-speaking world. Students may participate in the German Club, be eligible for the Delta Phi Alpha honor society, live in the German House, and earn credit studying abroad for a summer, semester or year.

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.

Tracks

The major in foreign languages and literature requires the successful completion of specifically required semester hours in one of the following five tracks:

Classic Civilization Track

	Hours
Required Courses	
Select one of the following:	6
LA 201 Intermed Latin Read I & LA 202 and Intermed Latin Read II ¹	
GR 201 Intermediate Greek I & GR 202 and Intermediate Greek II ¹	
Select two of the following:	6
CL 222 Greek Roman Mythology	
CL 380 Special Topics (Literature Topic Only)	
LA 301 Survey Lit Roman Republ	
GR 301 Advanced Greek I	
Select seven of the following:	21
CL 234 Greek and Latin Medical Terms	
CL 323 Alexander the Great, Then & Now	
CL 350 Roman Religion	
CL 385 History Of Greece	
CL 386 History Of Rome	
ARH 351 Ancient Art	
HY 235 Christ Church To 1500	
PHL 211 Ancient Philosophy	
UH 300 Honors Spec Topics Sem (Women from Antiquity through Today)	
CL 380 Special Topics	
Select Greek or Latin language electives (200 level or above) ¹	
Total Hours	33

¹ Students who choose LA 201 Intermed Latin Read I and LA 202 Intermed Latin Read II may not use LA 101 Elementary Latin I or LA 102 Elementary Latin II as an elective in the track. Students who choose GR 201 Intermediate Greek I and GR 202 Intermediate Greek II may not use GR 101 Beginning Greek I or GR 102 Beginning Greek II as an elective in the track.

French Track

	Hours
Required Courses	
FR 201 Intermediate French ¹	3
FR 202 Intermediate French ¹	3
Select two of the following:	6
FR 321 Voices In French	
FR 322 Advanced French Grammar	
FR 323 Text, Image, And Word	
FR 341 Survey Fr Literature I ²	3
FR 351 Survey Fr Literature II ²	3
FR 421 Pronunciation & Phonetics	3
Select two of the following: ³	6
FR 331 French Civilization	
FR 361 Intro Romance Linguistic (Same as IT 361 and SP 361)	
FR 431 Contemp French Civiliztn	
Credit Hours Subtotal:	27
Electives	
Select six hours of FR electives 200 level and above	6
Credit Hours Subtotal:	6
Ancillary Courses	
Grades in ancillary courses are not computed into the major GPA. The track in French requires the successful completion of the following courses:	
FR 101 Elementary French I	8
& FR 102 and Elementary French II ⁴	
Total Hours	41

¹ One honors section is available for this course. Consult the online schedule of classes or contact the Department of Modern Languages and Classics.

² 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.

³ 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.

⁴ Or proficiency or placement.

German Track

	Hours
Required 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
GN 361 or Interm Convers Comp I	3
GN 362 Interm Convers Comp II	
GN 371 German Culture and Civilization Thru 1832	3
GN 372 Germn Cult Civ 1832-Present	3

GN 403 or	Undergraduate Seminar	3
GN 404	Undergraduate Seminar	
Credit Hours Subtotal:		26

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

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

		Hours
Required Courses		

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

Select one of the following:	3

CL 323 or	Alexander the Great, Then & Now	
CL 385	History Of Greece	

Select five of the following (at least two courses must be culture courses):	15

ARH 351	Ancient Art	
CL 222	Greek Roman Mythology	
CL 350	Roman Religion	
CL 386	History Of Rome	
CL 380	Special Topics	
HY 235	Christ Church To 1500	
PHL 211	Ancient Philosophy	
CL 323	Alexander the Great, Then & Now	
UH 300	Honors Spec Topics Sem (Women from Antiquity through Today)	

Latin language electives on the 200 level or above

Greek language electives on the 400 level or above

Credit Hours Subtotal:	33

Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The track in Greek requires the successful completion of the following courses:

GR 101	Beginning Greek I	6
& GR 102	and Beginning Greek II ¹	

Total Hours	39

¹ Or proficiency or placement.

Italian Track

		Hours

Required Courses

IT 101	Introductory Italian I	4
IT 102	Introductory Italian II	4
IT 201	Intermediate Italian I	3
IT 202	Intermediate Italian	3
IT 353	Italian Conversation	3
IT 364	Masterpieces of Italian Lit.	3
IT 380	Special Topics	3
IT 480	Special Topics	3

Select two of the following:	6

IT 356	Adv Grammar Composition	
IT 361	Intro Romance Linguistic	
UH 300	Honors Spec Topics Sem (Representations of the Human)	
UH 300	Honors Spec Topics Sem (Politics, History, Writing, and Machiavelli)	

Total Hours	32

Latin Track

		Hours

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
CL 380 or	Special Topics (Flavian Rome)	3
CL 386	History Of Rome	

Select five of the following (at least two courses must be culture courses):	15

ARH 351	Ancient Art	
CL 222	Greek Roman Mythology	
CL 350	Roman Religion	
CL 385	History Of Greece	
CL 380	Special Topics	
CL 323	Alexander the Great, Then & Now	
CL 380	Special Topics (Flavian Rome)	
HY 235	Christ Church To 1500	
PHL 211	Ancient Philosophy	
UH 300	Honors Spec Topics Sem (Women from Antiquity through Today)	

Greek language electives on the 200 level and above

Latin language electives on the 400 level or above

Credit Hours Subtotal:	33

Ancillary Courses

Grades in ancillary courses are not computed into the major GPA. The track in Latin requires the successful completion of the following courses:

LA 101 & LA 102	Elementary Latin I and Elementary Latin II ¹	6
Credit Hours Subtotal:		6
Total Hours		39

¹ Or proficiency or placement.

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. 253) 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.

Credit Options

With the exception of heritage language or bilingual individuals, students placed in intermediate level courses or higher can earn placement credit.

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 are granted additional credit upon written petition:

Placement	Credit received with grade of "Pass" (C- or better)
FR 201	FR 103 (4 hours)
FR 202	FR 103 and FR 201 (7 hours)
FR 300	FR 103, 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 can 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)

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 are 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)

The interesting thing about the study of any field of Classics is that, far from limiting a student's career choices, it actually expands them. Instead of being tied to one particular technical skill, Classicists 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 Classicists because employers and recruiters realize and appreciate the rigor and difficulty of the degree itself.

Types of Jobs Accepted

Many of our graduates in Classics go on to professional schools. Since 1995, we have had a 100% acceptance rate for those who have applied for medical school. We have sent students to prestigious law schools, including Georgetown, Columbia, The University of Texas and Alabama's own. Some students have received an MLS degree and become professional librarians.

Jobs of Experienced Alumni

Our 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 who 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.

		Hours
Minor Courses		
FR 201	Intermediate French ¹	3
FR 202	Intermediate French ¹	3
FR 321 or FR 323	Voices In French Text, Image, And Word	3
FR 421	Pronunciation & Phonetics	3
FR electives 300 or 400 level		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 & FR 102	Elementary French I and Elementary French II
Total Hours	18

¹ One honors section is available for this course. Consult the online schedule of classes or contact the Department of Modern Languages and Classics.

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 253) 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.

	Hours
Minor 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
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

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. 253) 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.

	Hours
Minor Courses	
GR 201	Intermediate Greek I 3
GR 202	Intermediate Greek II 3
GR 301	Advanced Greek I 3
GR 302	Advanced Greek II 3
Select nine hours of GR, LA, CL electives 200 level or above	9
Credit Hours Subtotal:	21
Ancillary Courses	
Grades in ancillary courses are not computed into the minor GPA. The Greek minor requires the successful completion of the following courses:	
GR 101 & GR 102	Beginning Greek I and Beginning Greek II 6
Credit Hours Subtotal:	6
Total Hours	27

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 253) 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.

		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	3
Credit Hours Subtotal:		14
Electives		
Select six hours of IT electives 300 or 400 level		6
Credit Hours Subtotal:		6
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. 253) 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.

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.

		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. 253) 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, 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.

		Hours
Minor Courses		
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
Credit Hours Subtotal:		12
Electives		
Select nine hours of LA, GR, CL electives 200 level or above		9

Credit Hours Subtotal: 9

Ancillary Courses

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

LA 101 & LA 102	Elementary Latin I and Elementary Latin II	6

Credit Hours Subtotal: 6

Total Hours 27

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 253) 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.

Hours**Minor Courses**

RUS 101	Elementary Russian I	4
RUS 102	Elementary Russian II	4
RUS 201	Intermediate Russian I	3
RUS 202	Intermediate Russian II	3

Credit Hours Subtotal: 14

Electives

Select six hours of RUS electives 300 or 400 level	6

Credit Hours Subtotal: 6

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. 253) 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.

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.

Spanish, BA

The curriculum also provides students with an attractive mixture of classes with both a Latin-American, Spanish Peninsular, U.S. Latino and Transatlantic grounding. Studies will include the renowned works of Cervantes and Don Quixote.

200 B.B. Comer Hall

spanishadvising@bama.ua.edu (Spanish@as.ua.edu)

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 adviser 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 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.

Hours**Major Courses**

SP 353	Spanish Conversation	3
SP 356	Adv Grammar And Compos	3
SP 364 or SP 366	Spanish Civilization Spanish-American Civ	3

Select two of the following: 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	Introduction to US Latino literatures and cultures	
Credit Hours Subtotal:		15
Electives		
Select six hours of SP electives 300 or 400 level ¹		6
SP 491	Cervantes	3
Select three hours of SP elective 400 level		3
Credit Hours Subtotal:		12
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:		
Select one of the following:		4-8
SP 101 & SP 102	Introductory Spanish I and Introductory Spanish II	
SP 103	Intensive Review Intro Spanish	
SP 201	Intermediate Spanish	3
SP 202	Intermediate Spanish	3
Credit Hours Subtotal:		10-14
Total Hours		37-41

¹ 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. 253) 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.

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 27 semester hours.

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 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)

teaching of Spanish at the high school level, masters degree, Ph.D. in Spanish, diplomatic corps, FBI, NSA, CIA, translator, interpreter, 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 banking, 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
spanishadvising@bama.ua.edu (spanish@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. Students are strongly advised to meet with the department adviser each semester to plan their course of study.

		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 103	Intensive Review Intro Spanish	
SP 201	Intermediate Spanish ²	3
SP 202	Intermediate Spanish	3
Credit Hours Subtotal:		10-14
Total Hours		25-29

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. 253) 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/undergraduates/auditions.

After successfully auditioning and gaining formal acceptance to the School of Music, students may enroll in one of the following degree programs: the bachelor of music (BM), which is the professional degree, or the bachelor of arts (BA) with a major in music. Students can also earn a BA with an arts administration concentration. The University of Alabama also offers a program in music education. For more information see the College of Education section of this catalog.

- Majors
 - Music (BA) (p. 401)
 - Music Performance (BM) (p. 388)
 - Music Composition (BM) (p. 386)
 - Music Theory (BM) (p. 394)
 - Music Therapy (BM) (p. 396)
 - Music with a concentration in Arts Administration (BA) (p. 399)
- Minor
 - Music (p. 402)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

MUS115 Theory I
Hours 4

Study of the foundations of musical materials through analysis, writing, sight-singing, dictation, and keyboard skills. Offered in the fall semester.

MUS117 Theory II
Hours 4

Study of the melodic and harmonic materials of the 18th and early 19th centuries through analysis, writing, sight-singing, dictation, and keyboard skills. Offered in the spring semester.

Prerequisite(s): MUS 115 with the grade of C- or better.

[View All Courses](#)

Faculty
Chair

Snead, Charles

Professors

Bridges, Scott.

First, Craig

Fleming, Susan

Freese, Faythe

Gille, Tanya L.

McCreery, Carlton

Ozzello, Kenneth B.

Ratledge, John

Schultz, Diane

Snead, Charles G.

Wolfe, Thomas

Associate Professor

Biermann, Joanna

Caputo, Jennifer

Cevasco, Andrea

Coleman, Randall

Cummins, Linda

Dewar, Andrew

Hancock, Carl

Houghtaling, Paul

Johnson, Marvin

Kozak, Christopher

Latimer, W. Marvin

Mann, Jenny

McGuire, Kenneth M.

Molina, Osiris

Myers, Shelly

Noffsinger, Jonathan

Peles, Stephen V.

Robinson, Thomas

Sweaney, Daniel

Yates, Eric

Instructors

Bernstein, Zachary

Chance, Kevin

Crawford, Jeremy

Richman, Wendy

Woosley, Kevin

Zaheri, Amir

Lecturers

Alley, Robert

Johnson, Michael

Kordes, Gesa

Lanter, Mark

Latimer, Marion

Parrish, Regina

Sullivan, Judith

Witt, Anne

Assistant Professor

Draper, Ellary

Fader, Donald

Feeney, Timothy

Gregoire, Jenny

Pappas, Nikos

Tayloe, David

Whitaker, Jonathan

Williams, Susan

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 and take an exam on music fundamentals. Upon successful review of this material, 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.

		Hours
Major Courses		
MUS 115	Theory I	4
MUS 117	Theory II	4
MUS 215	Theory III	4
MUS 217	Theory IV	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 Cent Counterpoint	3
MUS 304	18th Cent Counterpoint	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	Orchestration I	3
MUS 351	Fund Of Conducting	2
MUS 403 or	Advanced Counterpoint	3
MUS 426	Analysis 20th Cent Music	
MUS 418	Structural Analysis II	3
MUS 419	Composition V	3
MUS 420	Composition VI	3
MUS 426	Analysis 20th Cent Music	3
MUS 492 or	Choral Conducting	2
MUS 494	Band Conducting	
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	Class Piano II	
MUA 123	Class Piano III	
MUA 124	Class Piano IV	
MUA 271	Piano (Majors)	
MUA applied (four semesters)		4
MUA ensembles (four semesters)		4
MUA 299	Piano Proficiency	0
MUA 499	Senior Recital	1

Credit Hours Subtotal: 89

Ancillary Courses

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

Select one of the following:		4-8
GN 101	Elementary German I	
& GN 102	and Elementary German II	

Total Hours 93-97

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. 253) 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 eight hours and eight semesters in a single instrument or voice chosen from the following courses:

MUA 170 & MUA 270 & MUA 370 & MUA 470	Harp (Majors) and Harp (Majors) and Harp (Majors) and	1-4
MUA 171 & MUA 271 & MUA 371 & MUA 471	Piano (Majors) and Piano (Majors) and Piano (Majors) and Piano (Majors)	1-4
MUA 172 & MUA 272 & MUA 372 & MUA 472	Organ (Majors) and Organ (Majors) and Organ (Majors) and Organ (Majors)	1-4
MUA 174 & MUA 274 & MUA 374 & MUA 474	Voice (Majors) and Voice (Majors) and Voice (Majors) and Voice (Majors)	0.5-4
MUA 175 & MUA 275 & MUA 375 & MUA 475	Violin (Majors) and Violin (Majors) and Violin (Majors) and Violin (Majors)	1-4
MUA 176 & MUA 276 & MUA 376 & MUA 476	Viola (Majors) and Viola (Majors) and Viola (Majors) and Viola (Majors)	1-4
MUA 177 & MUA 277 & MUA 377 & MUA 477	Cello (Majors) and Cello (Majors) and Cello (Majors) and Cello (Majors)	1-4
MUA 178 & MUA 278 & MUA 378 & MUA 478	String Bass (Majors) and String Bass (Majors) and String Bass (Majors) and String Bass (Majors)	1-4
MUA 179 & MUA 279 & MUA 379 & MUA 479	Flute (Majors) and Flute (Majors) and Flute (Majors) and Flute (Majors)	1-4

MUA 180 & MUA 280 & MUA 380 & MUA 480	Oboe (Majors) and Oboe (Majors) and Oboe (Majors) and Oboe (Majors)	1-4
MUA 181 & MUA 281 & MUA 381 & MUA 481	Bassoon (Majors) and Bassoon (Majors) and Bassoon (Majors) and Bassoon (Majors)	1-4
MUA 182 & MUA 282 & MUA 382 & MUA 482	Clarinet (Majors) and Clarinet (Majors) and Clarinet (Majors) and Clarinet (Majors)	1-4
MUA 183 & MUA 283 & MUA 383 & MUA 483	Saxophone (Majors) and Saxophone (Majors) and Saxophone (Majors) and Saxophone (Majors)	1-4
MUA 184 & MUA 284 & MUA 384 & MUA 484	Trumpet (Majors) and Trumpet (Majors) and Trumpet (Majors) and Trumpet (Majors)	1-4
MUA 185 & MUA 285 & MUA 385 & MUA 485	French Horn (Majors) and French Horn (Majors) and French Horn (Majors) and French Horn (Majors)	1-4
MUA 186 & MUA 286 & MUA 386 & MUA 486	Trombone (Majors) and Trombone (Majors) and Trombone (Majors) and Trombone (Majors)	1-4
MUA 187 & MUA 287 & MUA 387 & MUA 487	Euphonium (Majors) and Euphonium (Majors) and Euphonium (Majors) and Euphonium (Majors)	1-4
MUA 188 & MUA 288 & MUA 388 & MUA 488	Tuba (Majors) and Tuba (Majors) and Tuba (Majors) and Tuba (Majors)	1-4
MUA 189 & MUA 289 & MUA 389 & MUA 489	Percussion (Majors) and Percussion (Majors) and Percussion (Majors) and Percussion (Majors)	1-4
MUA 190 & MUA 290 & MUA 390 & MUA 490	Guitar (Majors) and Guitar (Majors) and Guitar (Majors) and Guitar (Majors)	1-4

MUA Ensembles Courses

Eight semesters of ensembles should be chosen from the following courses:

MUA 150	Symphony Orchestra	1
MUA 250	Symphony Orchestra	1
MUA 350	Symphony Orchestra	1
MUA 450	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	Contemp Music Ensemble	1
MUA 258	Contemporary Ensemble	0-1
MUA 358	Contemp Music Ensemble	1
MUA 458	Contemporary Ensemble	0-1
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
MUA 169	Chamber Music	1
MUA 269	Chamber Music	1
MUA 369	Chamber Music	1
MUA 469	Chamber Music	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 musical industry.

Types of Jobs Accepted

Recent graduates from the University of Alabama are very successful in major symphony orchestras, military bands, jazz, freelance opportunities 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 and take an exam on music fundamentals 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 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 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.

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

	Hours
MUS 115	Theory I
MUS 117	Theory II
MUS 215	Theory III
MUS 217	Theory IV
MUS 250	Music In World Cultures
MUS 251	Music History I
MUS 252	Music History II
MUS 323	Music History III
MUS 303 or	16th Cent Counterpoint
MUS 304	18th Cent Counterpoint
Select one of the following:	
MUS 303	16th Cent Counterpoint
MUS 304	18th Cent Counterpoint
MUS 403	Advanced Counterpoint
MUS 418	Structural Analysis II
MUS 426	Analysis 20th Cent Music
MUS 307	Form And Analysis
MUS 351	Fund Of Conducting
MUS 240	Piano Pedagogy
MUS 335	Accompanying Class
MUS 406	Keyboard Techniques
MUS 471	Lit Of The Piano
MUS 472	Lit Of The Piano
MUS electives 300 or 400 level	
MUA 010	Music Convocation (five semesters)

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

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:

MUA 232 Organ (Secondary)	0.5-1
MUA 233 Harpsichord (Secondary)	0.5-1
MUA 234 Voice (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 String Bass (Secondary)	0.5-1
MUA 239 Flute (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

Ensemble Courses

Six semesters of ensembles should be chosen from the following courses:

MUA 150 Symphony Orchestra	1
MUA 250 Symphony Orchestra	1
MUA 350 Symphony Orchestra	1
MUA 450 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 Contemp Music Ensemble	1
MUA 258 Contemporary Ensemble	0-1
MUA 358 Contemp Music Ensemble	1
MUA 458 Contemporary Ensemble	0-1
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
MUA 169 Chamber Music	1
MUA 269 Chamber Music	1
MUA 369 Chamber Music	1
MUA 469 Chamber Music	1

Organ Track

	Hours
MUS 115 Theory I	4
MUS 117 Theory II	4
MUS 215 Theory III	4
MUS 217 Theory IV	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 MUS 304 16th Cent Counterpoint	3
MUS 304 18th Cent Counterpoint	
MUS 307 Form And Analysis	3

Select one of the following:	3
MUS 303 16th Cent Counterpoint	
MUS 304 18th Cent Counterpoint	
MUS 403 Advanced Counterpoint	
MUS 418 Structural Analysis II	
MUS 426 Analysis 20th Cent Music	
MUS 351 Fund Of Conducting	2
MUS 241 Organ Pedagogy	2
MUS 333 Service Playing	3
MUS 334 Service Playing	3
MUS 431 Organ Design	2
MUS 477 Organ Literature	2
MUS 478 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	91

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:

MUA 150 Symphony Orchestra	1
MUA 250 Symphony Orchestra	1
MUA 350 Symphony Orchestra	1
MUA 450 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 Contemp Music Ensemble	1
MUA 258 Contemporary Ensemble	0-1
MUA 358 Contemp Music Ensemble	1
MUA 458 Contemporary Ensemble	0-1
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
MUA 169 Chamber Music	1
MUA 269 Chamber Music	1
MUA 369 Chamber Music	1
MUA 469 Chamber Music	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.

	Hours
MUS 115 Theory I	4
MUS 117 Theory II	4
MUS 215 Theory III	4
MUS 217 Theory IV	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 Cent Counterpoint	3
MUS 304 18th Cent Counterpoint	
MUS 307 Form And Analysis	3
Select one of the following:	3
MUS 303 16th Cent Counterpoint	
MUS 304 18th Cent Counterpoint	

MUS 403	Advanced Counterpoint	
MUS 418	Structural Analysis II	
MUS 426	Analysis 20th Cent 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 169	Chamber Music	4
& MUA 269	and Chamber Music	
& MUA 369	and Chamber Music	
& MUA 469	and Chamber Music	
MUA 124 or	Class Piano IV	0-4
MUA 299	Piano Proficiency	
MUS electives 300 to 400 level		2
Total Hours		81-85

MUA Applied Study Courses

Eight semesters of applied study should be chosen from the following courses:

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	String Bass (Majors)	3-16
& MUA 278	and String Bass (Majors)	
& MUA 378	and String Bass (Majors)	
& MUA 478	and String Bass (Majors)	

Ensemble Courses

Eight semesters of ensembles should be chosen from the following courses:

MUA 150	Symphony Orchestra	1
MUA 250	Symphony Orchestra	1
MUA 350	Symphony Orchestra	1
MUA 450	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	Contemp Music Ensemble	1
MUA 258	Contemporary Ensemble	0-1
MUA 358	Contemp Music Ensemble	1
MUA 458	Contemporary Ensemble	0-1
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

Winds, Brass and Percussion Track

		Hours
MUS 115	Theory I	4
MUS 117	Theory II	4
MUS 215	Theory III	4
MUS 217	Theory IV	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 Cent Counterpoint	3
MUS 304	18th Cent Counterpoint	
MUS 307	Form And Analysis	3
Select one of the following:		3
MUS 303	16th Cent Counterpoint	
MUS 304	18th Cent Counterpoint	
MUS 403	Advanced Counterpoint	
MUS 418	Structural Analysis II	
MUS 426	Analysis 20th Cent Music	
MUS 351	Fund Of Conducting	2
Upper division MUS electives (300 or 400 level)		4
MUA applied 100 level (two semesters)		6
MUA applied 200 level (two semesters)		6
MUA 199	Sophomore Qualifying	0
MUA applied 300 level (two semesters)		5
MUA 399	Junior Recital	1
MUA applied 400 level (two semesters)		5
MUA 499	Senior Recital	1
MUA large ensembles (eight semesters)		8
MUA 169	Chamber Music	4
& MUA 269	and Chamber Music	
& MUA 369	and Chamber Music	
& MUA 469	and Chamber Music	
MUA 124 or	Class Piano IV	0-4
MUA 299	Piano Proficiency	

MUA 010	Music Convocation (five semesters)	0
Total Hours		79-83

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:

MUA 179 & MUA 279 & MUA 379 & MUA 479	Flute (Majors) and Flute (Majors) and Flute (Majors) and Flute (Majors)	3-16
MUA 180 & MUA 280 & MUA 380 & MUA 480	Oboe (Majors) and Oboe (Majors) and Oboe (Majors) and Oboe (Majors)	3-16
MUA 181 & MUA 281 & MUA 381 & MUA 481	Bassoon (Majors) and Bassoon (Majors) and Bassoon (Majors) and Bassoon (Majors)	3-16
MUA 182 & MUA 282 & MUA 382 & MUA 482	Clarinet (Majors) and Clarinet (Majors) and Clarinet (Majors) and Clarinet (Majors)	3-16
MUA 183 & MUA 283 & MUA 383 & MUA 483	Saxophone (Majors) and Saxophone (Majors) and Saxophone (Majors) and Saxophone (Majors)	3-16
MUA 184 & MUA 284 & MUA 384 & MUA 484	Trumpet (Majors) and Trumpet (Majors) and Trumpet (Majors) and Trumpet (Majors)	3-16
MUA 185 & MUA 285 & MUA 385 & MUA 485	French Horn (Majors) and French Horn (Majors) and French Horn (Majors) and French Horn (Majors)	3-16
MUA 186 & MUA 286 & MUA 386 & MUA 486	Trombone (Majors) and Trombone (Majors) and Trombone (Majors) and Trombone (Majors)	3-16
MUA 187 & MUA 287 & MUA 387 & MUA 487	Euphonium (Majors) and Euphonium (Majors) and Euphonium (Majors) and Euphonium (Majors)	3-16
MUA 188 & MUA 288 & MUA 388 & MUA 488	Tuba (Majors) and Tuba (Majors) and Tuba (Majors) and Tuba (Majors)	3-16
MUA 189 & MUA 289 & MUA 389 & MUA 489	Percussion (Majors) and Percussion (Majors) and Percussion (Majors) and Percussion (Majors)	3-16

Ensemble Courses

Eight semesters of large ensembles should be chosen from the following courses:

MUA 150	Symphony Orchestra	1
MUA 250	Symphony Orchestra	1

MUA 350	Symphony Orchestra	1
MUA 450	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	Contemp Music Ensemble	1
MUA 258	Contemporary Ensemble	0-1
MUA 358	Contemp Music Ensemble	1
MUA 458	Contemporary Ensemble	0-1
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.

		Hours
MUS 115	Theory I	4
MUS 117	Theory II	4
MUS 215	Theory III	4
MUS 217	Theory IV	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 Cent Counterpoint	3
MUS 304	18th Cent Counterpoint	
Select one of the following:		3
MUS 303	16th Cent Counterpoint	
MUS 304	18th Cent Counterpoint	
MUS 403	Advanced Counterpoint	

MUS 418	Structural Analysis II	
MUS 426	Analysis 20th Cent 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 124 or	Class Piano IV	1
MUA 299	Piano Proficiency	
MUA choral ensemble (eight semesters)		8
Credit Hours Subtotal:		88

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:		16

Total Hours 104

Choral Ensemble Courses

Eight semesters of choral ensembles should be chosen from the following courses:

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

		Hours
MUS 115	Theory I	4
MUS 117	Theory II	4
MUS 215	Theory III	4
MUS 217	Theory IV	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 Cent Counterpoint	3
MUS 304	18th Cent Counterpoint	
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 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
Students must pass MUA 124 OR MUA 299		0-4
MUA 159	Jazz Ensembles	4
& MUA 259	and Jazz Ensemble	
& MUA 359	and Jazz Ensembles	
& MUA 459	and Jazz Ensemble ((four semesters))	
MUA 167	Jazz Combo	4
& MUA 267	and Jazz Combo	
& MUA 367	and Jazz Combo	
& MUA 467	and Jazz Combo ((four semesters))	

Total Hours 88-92

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:

MUA 171	Piano (Majors)	3-16
& MUA 271	and Piano (Majors)	
& MUA 371	and Piano (Majors)	
& MUA 471	and Piano (Majors)	
MUA 178	String Bass (Majors)	3-16
& MUA 278	and String Bass (Majors)	
& MUA 378	and String Bass (Majors)	
& MUA 478	and String 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 & MUA 282 & MUA 382 & MUA 482	Clarinet (Majors) and Clarinet (Majors) and Clarinet (Majors) and Clarinet (Majors)	3-16
MUA 183 & MUA 283 & MUA 383 & MUA 483	Saxophone (Majors) and Saxophone (Majors) and Saxophone (Majors) and Saxophone (Majors)	3-16
MUA 184 & MUA 284 & MUA 384 & MUA 484	Trumpet (Majors) and Trumpet (Majors) and Trumpet (Majors) and Trumpet (Majors)	3-16
MUA 186 & MUA 286 & MUA 386 & MUA 486	Trombone (Majors) and Trombone (Majors) and Trombone (Majors) and Trombone (Majors)	3-16
MUA 189 & MUA 289 & MUA 389 & MUA 489	Percussion (Majors) and Percussion (Majors) and Percussion (Majors) and Percussion (Majors)	3-16
MUA 190 & MUA 290 & MUA 390 & MUA 490	Guitar (Majors) and Guitar (Majors) and Guitar (Majors) and Guitar (Majors)	3.5-16

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.

Career opportunities include full-time work as a performing musician, full-time opportunities as a licensed music therapist and many other opportunities within the musical industry.

Types of Jobs Accepted

Recent graduates from the University of Alabama are very successful in major symphony orchestras, military bands, jazz, freelance opportunities 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. Upon successful review of this material, 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.

		Hours
Major Courses		
MUS 115	Theory I	4
MUS 117	Theory II	4
MUS 215	Theory III	4
MUS 217	Theory IV	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	Intro Music Theory Research	2
MUS 303	16th Cent Counterpoint	3
MUS 304	18th Cent Counterpoint	3
MUS 307	Form And Analysis	3
MUS 323	Music History III	3
MUS 325	Orchestration I	3
MUS 351	Fund Of Conducting	2
MUS 403	Advanced Counterpoint	3
MUS 418	Structural Analysis II	3
MUS 426	Analysis 20th Cent 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	Class Piano II	
MUA 123	Class Piano III	
MUA 124	Class Piano IV	
MUA 271	Piano (Majors)	
MUA applied (four semesters)		4
MUA ensembles (four semesters)		4
MUA 299	Piano Proficiency	0
Total Hours		76

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. 253) 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. The music major in theory requires 12–14 hours of French, German and/or Italian subject to theory faculty approval.

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:

MUA 170	Harp (Majors)	1-4
& MUA 270	and Harp (Majors)	
& MUA 370	and Harp (Majors)	
& MUA 470	and	
MUA 171	Piano (Majors)	1-4
& MUA 271	and Piano (Majors)	
& MUA 371	and Piano (Majors)	
& MUA 471	and Piano (Majors)	

MUA 172	Organ (Majors)	1-4
& MUA 272	and Organ (Majors)	
& MUA 372	and Organ (Majors)	
& MUA 472	and Organ (Majors)	
MUA 174	Voice (Majors)	0.5-4
& MUA 274	and Voice (Majors)	
& MUA 374	and Voice (Majors)	
& MUA 474	and Voice (Majors)	
MUA 175	Violin (Majors)	1-4
& MUA 275	and Violin (Majors)	
& MUA 375	and Violin (Majors)	
& MUA 475	and Violin (Majors)	
MUA 176	Viola (Majors)	1-4
& MUA 276	and Viola (Majors)	
& MUA 376	and Viola (Majors)	
& MUA 476	and Viola (Majors)	
MUA 177	Cello (Majors)	1-4
& MUA 277	and Cello (Majors)	
& MUA 377	and Cello (Majors)	
& MUA 477	and Cello (Majors)	
MUA 178	String Bass (Majors)	1-4
& MUA 278	and String Bass (Majors)	
& MUA 378	and String Bass (Majors)	
& MUA 478	and String Bass (Majors)	
MUA 179	Flute (Majors)	1-4
& MUA 279	and Flute (Majors)	
& MUA 379	and Flute (Majors)	
& MUA 479	and Flute (Majors)	
MUA 180	Oboe (Majors)	1-4
& MUA 280	and Oboe (Majors)	
& MUA 380	and Oboe (Majors)	
& MUA 480	and Oboe (Majors)	
MUA 181	Bassoon (Majors)	1-4
& MUA 281	and Bassoon (Majors)	
& MUA 381	and Bassoon (Majors)	
& MUA 481	and Bassoon (Majors)	
MUA 182	Clarinet (Majors)	1-4
& MUA 282	and Clarinet (Majors)	
& MUA 382	and Clarinet (Majors)	
& MUA 482	and Clarinet (Majors)	
MUA 183	Saxophone (Majors)	1-4
& MUA 283	and Saxophone (Majors)	
& MUA 383	and Saxophone (Majors)	
& MUA 483	and Saxophone (Majors)	
MUA 184	Trumpet (Majors)	1-4
& MUA 284	and Trumpet (Majors)	
& MUA 384	and Trumpet (Majors)	
& MUA 484	and Trumpet (Majors)	
MUA 185	French Horn (Majors)	1-4
& MUA 285	and French Horn (Majors)	
& MUA 385	and French Horn (Majors)	
& MUA 485	and French Horn (Majors)	
MUA 186	Trombone (Majors)	1-4
& MUA 286	and Trombone (Majors)	
& MUA 386	and Trombone (Majors)	
& MUA 486	and Trombone (Majors)	

MUA 187 & MUA 287 & MUA 387 & MUA 487	Euphonium (Majors) and Euphonium (Majors) and Euphonium (Majors) and Euphonium (Majors)	1-4
MUA 188 & MUA 288 & MUA 388 & MUA 488	Tuba (Majors) and Tuba (Majors) and Tuba (Majors) and Tuba (Majors)	1-4
MUA 189 & MUA 289 & MUA 389 & MUA 489	Percussion (Majors) and Percussion (Majors) and Percussion (Majors) and Percussion (Majors)	1-4
MUA 190 & MUA 290 & MUA 390 & MUA 490	Guitar (Majors) and Guitar (Majors) and Guitar (Majors) and Guitar (Majors)	1-4

MUA Ensemble Courses

Four semesters of ensembles should be chosen from the following courses:

MUA 150	Symphony Orchestra	1
MUA 250	Symphony Orchestra	1
MUA 350	Symphony Orchestra	1
MUA 450	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	Contemp Music Ensemble	1
MUA 258	Contemporary Ensemble	0-1
MUA 358	Contemp Music Ensemble	1
MUA 458	Contemporary Ensemble	0-1
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
MUA 169	Chamber Music	1
MUA 269	Chamber Music	1
MUA 369	Chamber Music	1
MUA 469	Chamber Music	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 musical industry.

Types of Jobs Accepted

Recent graduates from the University of Alabama are very successful in major symphony orchestras, military bands, jazz, freelance opportunities 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 and take an exam on music fundamentals 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/undergraduates/auditions.

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.

		Hours
Major Courses		
MUS 115	Theory I	4
MUS 117	Theory II	4

MUS 215	Theory III	4
MUS 217	Theory IV	4
MUS 180	Intro Music Therapy	2
MUS 182	Obsrv Orient Mu Therapy	2
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 Skills Repertoire	2
MUS 281	Music Recreation Techniques	2
MUS 282	Music Therapy Practicum (two semesters)	1
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 In 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

MUA principal 100 level (two semesters)	4
MUA principal 200 level (two semesters)	4
MUA 199 Sophomore Qualifying	0
MUA principal 300 level (two semesters)	3
MUA 399 Junior Recital	1
MUA principal 400 level (two semesters)	4
Additional study	5
MUA 220 Class Guitar	1

Ensemble Course Requirements

MUA ensembles (eight semesters)	8
MUA 010 Music Convocation (five semesters)	0
MUA 299 Piano Proficiency	0

Credit Hours Subtotal: 91

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:	14

Total Hours 105

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. 253) 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
- principal performance level at the 300 level
- 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 15 hours and eight semesters in a single instrument or voice, with a minimum of three hours at the 300 level and four hours at the 400 level. In the semester a student registers for MUA 399 Junior Recital, only one hour of applied lessons should be scheduled. These courses should be chosen from the following courses:

MUA 170 & MUA 270 & MUA 370 & MUA 470	Harp (Majors) and Harp (Majors) and Harp (Majors) and	1-4
MUA 171 & MUA 271 & MUA 371 & MUA 471	Piano (Majors) and Piano (Majors) and Piano (Majors) and Piano (Majors)	1-4
MUA 172 & MUA 272 & MUA 372 & MUA 472	Organ (Majors) and Organ (Majors) and Organ (Majors) and Organ (Majors)	1-4
MUA 174 & MUA 274 & MUA 374 & MUA 474	Voice (Majors) and Voice (Majors) and Voice (Majors) and Voice (Majors)	0.5-4
MUA 175 & MUA 275 & MUA 375 & MUA 475	Violin (Majors) and Violin (Majors) and Violin (Majors) and Violin (Majors)	1-4
MUA 176 & MUA 276 & MUA 376 & MUA 476	Viola (Majors) and Viola (Majors) and Viola (Majors) and Viola (Majors)	1-4
MUA 177 & MUA 277 & MUA 377 & MUA 477	Cello (Majors) and Cello (Majors) and Cello (Majors) and Cello (Majors)	1-4

MUA 178 & MUA 278 & MUA 378 & MUA 478	String Bass (Majors) and String Bass (Majors) and String Bass (Majors) and String Bass (Majors)	1-4
MUA 179 & MUA 279 & MUA 379 & MUA 479	Flute (Majors) and Flute (Majors) and Flute (Majors) and Flute (Majors)	1-4
MUA 180 & MUA 280 & MUA 380 & MUA 480	Oboe (Majors) and Oboe (Majors) and Oboe (Majors) and Oboe (Majors)	1-4
MUA 181 & MUA 281 & MUA 381 & MUA 481	Bassoon (Majors) and Bassoon (Majors) and Bassoon (Majors) and Bassoon (Majors)	1-4
MUA 182 & MUA 282 & MUA 382 & MUA 482	Clarinet (Majors) and Clarinet (Majors) and Clarinet (Majors) and Clarinet (Majors)	1-4
MUA 183 & MUA 283 & MUA 383 & MUA 483	Saxophone (Majors) and Saxophone (Majors) and Saxophone (Majors) and Saxophone (Majors)	1-4
MUA 184 & MUA 284 & MUA 384 & MUA 484	Trumpet (Majors) and Trumpet (Majors) and Trumpet (Majors) and Trumpet (Majors)	1-4
MUA 185 & MUA 285 & MUA 385 & MUA 485	French Horn (Majors) and French Horn (Majors) and French Horn (Majors) and French Horn (Majors)	1-4
MUA 186 & MUA 286 & MUA 386 & MUA 486	Trombone (Majors) and Trombone (Majors) and Trombone (Majors) and Trombone (Majors)	1-4
MUA 187 & MUA 287 & MUA 387 & MUA 487	Euphonium (Majors) and Euphonium (Majors) and Euphonium (Majors) and Euphonium (Majors)	1-4
MUA 188 & MUA 288 & MUA 388 & MUA 488	Tuba (Majors) and Tuba (Majors) and Tuba (Majors) and Tuba (Majors)	1-4
MUA 189 & MUA 289 & MUA 389 & MUA 489	Percussion (Majors) and Percussion (Majors) and Percussion (Majors) and Percussion (Majors)	1-4
MUA 190 & MUA 290 & MUA 390 & MUA 490	Guitar (Majors) and Guitar (Majors) and Guitar (Majors) and Guitar (Majors)	1-4

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

MUA 121	Class Piano I	1

MUA 122	Class Piano II	1
MUA 123	Class Piano III	1
MUA 124	Class Piano IV	1
MUA 271	Piano (Majors)	1-4

Piano Principal

MUE 381	Vocal Methods Lab	1
MUS 335	Accompanying Class	2
MUS 406	Keyboard Techniques	2

Other Instrument Principal

MUE 381	Vocal Methods Lab	1

Select four semesters of the following:

MUA 121	Class Piano I
MUA 122	Class Piano II
MUA 123	Class Piano III
MUA 124	Class Piano IV
MUA 271	Piano (Majors)

MUA Ensemble Courses

Eight semesters of ensembles should be chosen from the following courses:

MUA 150	Symphony Orchestra	1
MUA 250	Symphony Orchestra	1
MUA 350	Symphony Orchestra	1
MUA 450	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	Contemp Music Ensemble	1
MUA 258	Contemporary Ensemble	0-1
MUA 358	Contemp Music Ensemble	1
MUA 458	Contemporary Ensemble	0-1
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
MUA 169	Chamber Music	1
MUA 269	Chamber Music	1
MUA 369	Chamber Music	1
MUA 469	Chamber Music	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 musical industry.

Types of Jobs Accepted

Recent graduates from the University of Alabama are very successful in major symphony orchestras, military bands, jazz, freelance opportunities and as working music therapists.

Learn more about opportunities in this field at the Career Center

Music with a concentration in Arts Administration, BA

Students should have a strong background in music, including performance experience on a major instrument or designated voice type.

An arts administration concentration within the baccalaureate degree program is available in the area of music. The option is designed to provide the student with a curriculum in music combined with a minor in business (p. 580). The arts administration concentration prepares the student for management positions with orchestras, local and/or 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 Commerce and Business Administration 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 and take an exam on music fundamentals 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 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 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.

		Hours
Major Courses		
MUS 115	Theory I	4
MUS 117	Theory II	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 Administration 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
UH 210	Honors Fine Arts	3

MUS 326	Arts Venues Management	2
MUS 407	Marketing the Arts	2
Credit Hours Subtotal:		35
Total Hours		72-75

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. 253) 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:

MUA 170 & MUA 270	Harp (Majors) and Harp (Majors)	1-4
MUA 171 & MUA 271	Piano (Majors) and Piano (Majors)	1-4
MUA 172 & MUA 272	Organ (Majors) and Organ (Majors)	1-4
MUA 174 & MUA 274	Voice (Majors) and Voice (Majors)	0.5-4
MUA 175 & MUA 275	Violin (Majors) and Violin (Majors)	1-4
MUA 176 & MUA 276	Viola (Majors) and Viola (Majors)	1-4
MUA 177 & MUA 277	Cello (Majors) and Cello (Majors)	1-4
MUA 178 & MUA 278	String Bass (Majors) and String Bass (Majors)	1-4
MUA 179 & MUA 279	Flute (Majors) and Flute (Majors)	1-4
MUA 180 & MUA 280	Oboe (Majors) and Oboe (Majors)	1-4
MUA 181 & MUA 281	Bassoon (Majors) and Bassoon (Majors)	1-4
MUA 182 & MUA 282	Clarinet (Majors) and Clarinet (Majors)	1-4

MUA 183 & MUA 283	Saxophone (Majors) and Saxophone (Majors)	1-4
MUA 184 & MUA 284	Trumpet (Majors) and Trumpet (Majors)	1-4
MUA 185 & MUA 285	French Horn (Majors) and French Horn (Majors)	1-4
MUA 186 & MUA 286	Trombone (Majors) and Trombone (Majors)	1-4
MUA 187 & MUA 287	Euphonium (Majors) and Euphonium (Majors)	1-4
MUA 188 & MUA 288	Tuba (Majors) and Tuba (Majors)	1-4
MUA 189 & MUA 289	Percussion (Majors) and Percussion (Majors)	1-4
MUA 190 & MUA 290	Guitar (Majors) and Guitar (Majors)	1-4

MUA Ensemble Courses

Four semesters of ensembles should be chosen from the following courses:

MUA 150	Symphony Orchestra	1
MUA 250	Symphony Orchestra	1
MUA 350	Symphony Orchestra	1
MUA 450	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	Contemp Music Ensemble	1
MUA 258	Contemporary Ensemble	0-1
MUA 358	Contemp Music Ensemble	1
MUA 458	Contemporary Ensemble	0-1
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	0-1
MUA 366	Piano Ensemble	0-1
MUA 466	Piano Ensemble	0-1
MUA 167	Jazz Combo	1
MUA 267	Jazz Combo	1
MUA 367	Jazz Combo	1
MUA 467	Jazz Combo	1
MUA 169	Chamber Music	1
MUA 269	Chamber Music	1
MUA 369	Chamber Music	1
MUA 469	Chamber Music	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 and take an exam on music fundamentals 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 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 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.

		Hours
Major Courses		
MUS 115	Theory I	4

MUS 117	Theory II	4
MUS 215	Theory III	4
MUS 217	Theory IV	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. 253) 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:

MUA 170	Harp (Majors)	4
& MUA 270	and Harp (Majors)	
MUA 171	Piano (Majors)	4
& MUA 271	and Piano (Majors)	
MUA 172	Organ (Majors)	4
& MUA 272	and Organ (Majors)	

MUA 174 & MUA 274	Voice (Majors) and Voice (Majors)	4	MUA 256	Percussion Ensemble	1
MUA 175 & MUA 275	Violin (Majors) and Violin (Majors)	4	MUA 356	Percussion Ensemble	1
MUA 176 & MUA 276	Viola (Majors) and Viola (Majors)	4	MUA 456	Percussion Ensemble	1
MUA 177 & MUA 277	Cello (Majors) and Cello (Majors)	4	MUA 158	Contemp Music Ensemble	1
MUA 178 & MUA 278	String Bass (Majors) and String Bass (Majors)	4	MUA 258	Contemporary Ensemble	0-1
MUA 179 & MUA 279	Flute (Majors) and Flute (Majors)	4	MUA 358	Contemp Music Ensemble	1
MUA 180 & MUA 280	Oboe (Majors) and Oboe (Majors)	4	MUA 458	Contemporary Ensemble	0-1
MUA 181 & MUA 281	Bassoon (Majors) and Bassoon (Majors)	4	MUA 159	Jazz Ensembles	1
MUA 182 & MUA 282	Clarinet (Majors) and Clarinet (Majors)	4	MUA 259	Jazz Ensemble	1
MUA 183 & MUA 283	Saxophone (Majors) and Saxophone (Majors)	4	MUA 359	Jazz Ensembles	1
MUA 184 & MUA 284	Trumpet (Majors) and Trumpet (Majors)	4	MUA 459	Jazz Ensemble	1
MUA 185 & MUA 285	French Horn (Majors) and French Horn (Majors)	4	MUA 160	Opera Workshop	1
MUA 186 & MUA 286	Trombone (Majors) and Trombone (Majors)	4	MUA 260	Opera Workshop	1
MUA 187 & MUA 287	Euphonium (Majors) and Euphonium (Majors)	4	MUA 360	Opera Workshop	1
MUA 188 & MUA 288	Tuba (Majors) and Tuba (Majors)	4	MUA 460	Opera Workshop	1
MUA 189 & MUA 289	Percussion (Majors) and Percussion (Majors)	4	MUA 161	Opera Production	1
MUA 190 & MUA 290	Guitar (Majors) and Guitar (Majors)	4	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
			MUA 169	Chamber Music	1
			MUA 269	Chamber Music	1
			MUA 369	Chamber Music	1
			MUA 469	Chamber Music	1

MUA Ensemble Courses

Four semesters of ensemble should be chosen from the following courses:

MUA 150	Symphony Orchestra	1
MUA 250	Symphony Orchestra	1
MUA 350	Symphony Orchestra	1
MUA 450	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

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 and take an exam on music fundamentals 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.

	Hours
Minor Courses	
MUS 115 Theory I	4
MUS 117 Theory II	4
MUS 121 or MUS 250 Intro To Listening Music In World Cultures	3
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

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. 253) 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:

MUA 170 & MUA 270	Harp (Majors) and Harp (Majors)	2-8
MUA 171 & MUA 271	Piano (Majors) and Piano (Majors)	2-8
MUA 172 & MUA 272	Organ (Majors) and Organ (Majors)	2-8
MUA 174 & MUA 274	Voice (Majors) and Voice (Majors)	1.5-8
MUA 175 & MUA 275	Violin (Majors) and Violin (Majors)	2-8
MUA 176 & MUA 276	Viola (Majors) and Viola (Majors)	2-8
MUA 177 & MUA 277	Cello (Majors) and Cello (Majors)	2-8

MUA 178 & MUA 278	String Bass (Majors) and String Bass (Majors)	2-8
MUA 179 & MUA 279	Flute (Majors) and Flute (Majors)	2-8
MUA 180 & MUA 280	Oboe (Majors) and Oboe (Majors)	2-8
MUA 181 & MUA 281	Bassoon (Majors) and Bassoon (Majors)	2-8
MUA 182 & MUA 282	Clarinet (Majors) and Clarinet (Majors)	2-8
MUA 183 & MUA 283	Saxophone (Majors) and Saxophone (Majors)	2-8
MUA 184 & MUA 284	Trumpet (Majors) and Trumpet (Majors)	2-8
MUA 185 & MUA 285	French Horn (Majors) and French Horn (Majors)	2-8
MUA 186 & MUA 286	Trombone (Majors) and Trombone (Majors)	2-8
MUA 187 & MUA 287	Euphonium (Majors) and Euphonium (Majors)	2-8
MUA 188 & MUA 288	Tuba (Majors) and Tuba (Majors)	2-8
MUA 189 & MUA 289	Percussion (Majors) and Percussion (Majors)	2-8
MUA 190 & MUA 290	Guitar (Majors) and Guitar (Majors)	2-8

Ensemble Courses

Four semesters of ensembles should be chosen from the following courses:

MUA 150	Symphony Orchestra	1
MUA 250	Symphony Orchestra	1
MUA 152	Wind Ensemble	1
MUA 252	Wind Ensemble	1
MUA 153	Marching Band	1
MUA 253	Marching Band	1
MUA 154	Symphonic Band	1
MUA 254	Symphonic Band	1
MUA 156	Percussion Ensemble	1
MUA 256	Percussion Ensemble	1
MUA 158	Contemp Music Ensemble	1
MUA 258	Contemporary Ensemble	0-1
MUA 159	Jazz Ensembles	1
MUA 259	Jazz Ensemble	1
MUA 160	Opera Workshop	1
MUA 260	Opera Workshop	1
MUA 161	Opera Production	1
MUA 261	Opera Production	1
MUA 162	University Chorus	1
MUA 262	University Chorus	1
MUA 163	University Singers	1
MUA 263	University Singers	1
MUA 167	Jazz Combo	1
MUA 267	Jazz Combo	1

MUA 169	Chamber Music	1
MUA 269	Chamber Music	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 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. 413)
 - Interdisciplinary Studies (BS) (p. 415)
- Minors
 - Civic Engagement and Leadership (p. 412)
 - Natural Resource Management (p. 416)
 - Student-Designed (p. 417)
 - Interdisciplinary Environmental Studies (p. 412)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

NEW100 Intro Interdisc Integratv Stdy

FCMP

Hours 1-2

Designed to help New College students become more informed about the University and about New College so that they may maximize their opportunities in their undergraduate programs through New College. Enrollment is limited to New College students.

Freshman Compass

NEW120 Inclusive Leadership Through Sustained Dialogue

Hours 1

In an increasingly globalized world, leaders need the skills to resolve conflict across difference. Sustained Dialogue is a five-stage dialogue-to-action model that requires participants to take the time to focus first on transforming change-blocking relationships, and then on solving problems. This course will explore the theory behind this innovative model and ultimately consider how Sustained Dialogue applies to visions for positive change at the University of Alabama. Participants will receive an introduction to the Sustained Dialogue model and then meet in dialogue groups weekly to work through the 5 stages to address specific issues on campus.

Prerequisite(s): NONE

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

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

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.

Prerequisite(s): None

Prerequisite(s) with concurrency: None

Fine Arts, Humanities

NEW215 Perspec. on Env. Literature

HU

Hours 4

Considers perspectives on environmental studies within the humanities by examining key texts of environmental literature.

Humanities

NEW223 Mcnair Scholar'S Seminar

Hours 1

To provide knowledge and skills in a variety of areas to strengthen personal, academic, and research competencies vital to success in graduate programs.

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 Cooperation & Conflict

SB

Hours 4

This seminar explores cooperation and conflict in human societies; all that we do or fail to do in living together effectively. Students investigate and seek solutions for contemporary social problems.

Social and Behavioral Sciences

NEW238 Honors: Coop. & Conflict

SB, UH

Hours 4

This honors seminar explores cooperation and conflict in human societies – all that we do or fail to do in living together effectively. Students investigate and seek solutions for contemporary social problems.

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

Hours 3

*No description available***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.

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 Consortum 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.

NEW342 Social Action and Performance

Hours 3

Social Action and Performance is open to all students. The course uses an interdisciplinary approach to the world of theatrical performance and explores the work of Augusto Boal and Theatre of the Oppressed model as a mechanism for social change. The course will train students to educate their peers through performance about interpersonal violence and contemporary issues of multiculturalism on campus. Students will use improvisation, participatory activities, readings, and assessments to engage in social action. Students are encouraged to participate in self-exploration with respect to the issues mentioned above as part of their trainings with these techniques. Students who participate in this course will become official members of the theatre troupe called Unscripted.

Prerequisite(s): (EN 101 and EN 102) or EN 103

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.

Prerequisite(s): N/A

Writing

NEW361 Handmade Sounds: A Hands-on History of Electronic Music

W

Hours 4

Did you know you can make electronic music with credit cards? Old toys? 30-cent circuit boards? This course will teach you to build your own electronic orchestra from scratch while also exploring the history of electronic music, with a special focus on tinkering experimenters that created electronic music using self-made instruments. Through a combination of theory and practice, you will learn about electronic music's pioneers, recreating some of their early experiments to experience this history with your own hands and ears. We will explore the construction of a variety of simple electronic instruments, learn to play them, and perform a concert at the end of the term. No previous musical or technical experience is required, but there will be a significant amount of hands-on work with tools and wires in addition to the usual course load of reading, writing and discussion, so an interest in working with technology is a must. Each day of the course we will discuss the work of historical figures in electronic music followed by a laboratory period of hands-on exploration and creation. You are required to write 10 500-word essays articulating your response to the course materials. Writing proficiency within this discipline is required for a passing grade in this 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.

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.

NEW407 407 W: 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

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.

Prerequisite(s): N/A

Writing

NEW412 Songwriting Workshop

W

Hours 4

Songcraft: songwriting workshop focuses on how songs are made. After a study of various genres (blues, troubadours, popular) students will produce their own songs. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

NEW413 Mythologies

Hours 4

This course in comparative mythology introduces students to mythological systems from a variety of cultures, including preclassical, Greek, American Indian, Oriental, African, and contemporary American. Recurring motifs and current theories on the mythologizing process are analyzed.

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 within this discipline is required for a passing grade in this 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. Because this course carries a "W" for the Core Curriculum, writing proficiency is required for a passing grade.

Writing

NEW418 Mash-Up: Intermedia Intersections in the Arts

W

Hours 4

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.

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

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 within this discipline is required for a passing grade in this course.

Writing

NEW437 Civic Awareness

Hours 4

Current events are examined through print and electronic media in order to assist students in evaluating various sources of information concerning public issues and in developing a public philosophy for responsibilities as a citizen.

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

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 within this discipline is required for a passing grade in this 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. This course meets a college core writing requirement; a demonstration of writing proficiency is required for a passing grade in this course. The course has New College designations for Environment, Sustainability, and Conservation (ESC) and Social Problems and Social Change (SPSC).

Writing

NEW443 Science & Technology

Hours 4

The course teaches scientific concepts (time and laws of thermodynamics, change, measurement, reality, etc.) as they relate to the various sciences (anthropology, mathematics, etc.). The relationship of science and technology to the environment of the Earth's surface is stressed.

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

NEW446 Gender and Environment

W

Hours 3

This course examines histories of concepts of nature and gender, philosophies of eco-feminism, and accounts of gender-based efforts for environmental reform.

Writing

NEW450 Conservation Field Studies in Belize

Hours 4

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 within this discipline is required for a passing grade in this course.

Writing

NEW473 Globalization & Folk Crft Prod

W

Hours 4

This course examines the relationship between the global and the local, using world folk craft (for example, pottery) as a point of focus. The functions of creativity in industrialized and nonindustrialized societies are explored through a combination of reading, research, discussion, and studio experiences. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

NEW474 Survival

W

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. Writing proficiency within this discipline is required for a passing grade in this course.

Writing

NEW490 Special Topics

Hours 3-4

The subject matter varies.

NEW491 Special Topics - Practice

Hours 3-4

Subject matter varies. Hands on interdisciplinary learning opportunities.

NEW495 Capstone Sem & Senior Project

Hours 2

14 hours of New College coursework and successful junior year review. New College students only, concluding integrative project.

[View All Courses](#)

Faculty**Director**

Adams, Natalie G.

Assistant Director

Miller, John C. H.

Professors

Adams, Natalie G.

Roach, Catherine M.

Trost, Theodore L.

Associate Professors

Cherry, Julia A.

Dewar, Andrew R.

Galbraith, Marysia H.

Spears, Ellen G.

Steinberg, Michael K.

Assistant Professors

Brickman, Barbara J.

Callander, Adrienne

Willis, Vincent

Professors emeriti

Blewitt, Harry L, PhD

Passerini, Edward M, PhD

Rosenberg, Jerome, PhD

Instructors

Bertolaet, Emma J.

Caputo, Jennifer L.

Colburn, Kimberly R.

Espy-Brown, Amanda S.

Hopson, Holland G.

Pirkle, Amy L.

Civic Engagement and Leadership, Minor

The Minor in Civic Engagement and Leadership is administered by New College and Department of Philosophy with the Department of Military Science.

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.

	Hours
Minor Courses	
NEW 237 or Cooperation & Conflict	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 Dr. Natalie Adams, Director, New College. Courses that count towards your major field of study cannot be used to fulfill the requirements for a minor.

	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
CSM 437 Developing The Leader Within	3
HY 330 Civil Rights Movement	3
HES 275 Leadership Develop Thru Serv	1-3
NEW 120 Inclusive Leadership Through Sustained Dialogue	1
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 437	Civic Awareness	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
PSC 335	Soc Movements & Cont Politics	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:

AFS 350	USAF Leadership Studies	3
AFS 360	USAF Leadership Studies	3
AFS 470	National Security Affair	3
AFS 480	National Security Affair	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. 253) 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
as.ua.edu/geography
geography@as.ua.edu

New College
201 Lloyd Hall

as.ua.edu/nc
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.

The minor in interdisciplinary environmental studies requires the successful completion of a minimum of 17 semester hours including the following:

	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:

BSC 385	Ecology and Evolution	3
BSC 482	Conservation Biology	3
EC 480	Economics of the Environment and Natural Resources	3
GEO 105	Sustainable Earth	4
GEO 363	Geomorphology	3
GEO 401	Paleoclimatology	3
GY 202	The Water Planet	4
GY 230	Geographic Information Systems	3
GY 302	Climatology	3
GY 317	Natural Hazards	3
GY 339	Natural Resource Environm Plang	3
GY 363	Geomorphology	3
GY 404	Physical Geography Seast Us	3
GY 409	Forest History and Restoration	4
GY 410	The Geography of 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 and Silvics	4
GY 494	Forest Measurement & Analysis	4
GY 495	Coastal Geomorphology	3
GY 585	River Hydrology	3
NEW 226	Organic Farming	4
NEW 310	Independent Study	1-15
NEW 365	Introduction to Environmental Policy	3
NEW 400	Sporting Conservation	3
NEW 401	Birds and Birding	4
NEW 407	407 W: Landscapes of the South	3
NEW 416	American Environmental Thought	3
NEW 441	Climate Change Seminar	4
NEW 442	Environmental Ethics and Problems	3
NEW 446	Gender and Environment	3
NEW 450	Conservation Field Studies in Belize	4
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. 253) 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 are available at <http://nc.as.ua.edu/degree-program/applying-to-new-college/>. 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.

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:

	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 400 level and above	6-12
Individualized depth study	33-39
Total Hours	51-67

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 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

LifeTrack is a blended distance program. Most courses are online and independent study. There are some on-campus course experiences as well. LifeTrack offers a B.A. or B.S. in Interdisciplinary Studies. Students must be 25 years or older; have 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; have educational goals attainable through the LifeTrack program; be able to assume the primary responsibility for learning; and have a cumulative GPA of 2.00 or higher on all previous college work. New College and the College of Continuing Studies
305 Martha Parham Hall
learnon.ua.edu
bamabydistance.ua.edu

Admission into the Program

Interested students should apply for admission to The University of Alabama and designate New College LifeTrack as the program type. For more information concerning admissions procedures, write to The University of Alabama, New College LifeTrack, Box 870388, Tuscaloosa, AL 35487-0388; call (205) 348-6000; email aoinfo@ccs.ua.edu; or visit learnon.ua.edu.

Degree Requirements

Students earning a bachelor of arts (BA) degree or bachelor of science (BS) degree must complete a minimum of 120 applicable semester hours that include the following elements:

	Hours
Foundations of Adult Learning Seminar	3
LifeTrack Writing Skills and Strategies	3
Humanities ¹	12
Communication skills	6
Social sciences ¹	12
Natural sciences ¹	8
Mathematics ¹	3
Depth study	30
Senior project	8
Electives	35
Total Hours	120

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.

Additional Major Requirements

The LifeTrack Program (formerly EXD Program) differs in purpose, scope and specificity from degrees designating professional certification. For this reason, no more than 30 semester hours of credit from a professional school may apply toward a degree through the LifeTrack Program.

Upper-level Residency

Following completion of the Foundations of Adult Learning Seminar, LifeTrack program students must earn a minimum of 30 semester hours of University of Alabama credit. Except for the required three-day Foundations of Adult Learning Seminar, students do not have to be present on The University of Alabama campus. Residency is fulfilled by working under the guidance of University of Alabama faculty through distance learning.

Unlimited. Students continue to professional and graduate schools, to begin their own businesses, and to 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 are available at <http://nc.as.ua.edu/degree-program/applying-to-new-college/>. 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.

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:

	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 400 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

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 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

LifeTrack is a blended distance program. Most courses are online and independent study. There are some on-campus course experiences as well. LifeTrack offers a B.A. or B.S. in Interdisciplinary Studies. Students must be 25 years or older; have 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; have educational goals attainable through the LifeTrack program; be able to assume the primary responsibility for learning; and have a cumulative GPA of 2.00 or higher on all previous college work. New College and the College of Continuing Studies
305 Martha Parham Hall
learnon.ua.edu
bamabydistance.ua.edu

Admission into the Program

Interested students should apply for admission to The University of Alabama and designate New College LifeTrack as the program type. For more information concerning admissions procedures, write to The University of Alabama, New College LifeTrack, Box 870388, Tuscaloosa, AL 35487-0388; call (205) 348-6000; email aoinfo@ccs.ua.edu; or visit learnon.ua.edu.

Degree Requirements

Students earning a bachelor of arts (BA) degree or bachelor of science (BS) degree must complete a minimum of 120 applicable semester hours that include the following elements:

	Hours
Foundations of Adult Learning Seminar	3
LifeTrack Writing Skills and Strategies	3
Humanities ¹	12
Communication skills	6
Social sciences ¹	12
Natural sciences ¹	8
Mathematics ¹	3
Depth study	30
Senior project	8
Electives	35
Total Hours	120

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.

Additional Major Requirements

The LifeTrack Program (formerly EXD Program) differs in purpose, scope and specificity from degrees designating professional certification. For this reason, no more than 30 semester hours of credit from a professional school may apply toward a degree through the LifeTrack Program.

Upper-level Residency

Following completion of the Foundations of Adult Learning Seminar, LifeTrack program students must earn a minimum of 30 semester hours of University of Alabama credit. Except for the required three-day Foundations of Adult Learning Seminar, students do not have to be present on The University of Alabama campus. Residency is fulfilled by working under the guidance of University of Alabama faculty through distance learning.

Unlimited. Students continue to professional and graduate schools, to begin their own businesses, and to 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.

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 Resource Management, Minor

The natural resource management 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 life styles 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.

The minor in natural resource management 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 Management minor for biology majors requires the successful completion of the following 18 semester hours:

		Hours
Required Foundational Course		
BSC 340	Principles of Natural Resources Conservation	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 497	Special Topics (Forestry)	
BSC 497	Special Topics (Wildlife Management)	
GY 472	Soil Science	

GY 489	Forest Ecology Veg Analy
GY 492	Eastern Forest Communities and Silvics
NEW 401	Birds and Birding
NEW 490	Special Topics (Everyday Wildlife in Alabama)
NEW 490	Special Topics (Everyday Forestry in Alabama)

Policy, Planning, and Economics

Select two of the following: 6

BSC 482	Conservation Biology
EC 480	Economics of the Environment and Natural Resources
GY 339	Natural Resource Envrirn Plang
GY 351	Geography Of Alabama
GY 409	Forest History and Restoration
GY 452	Environ Decision Making
GY 460	Environmental Management
NEW 230	Environmental Studies
NEW 365	Introduction to Environmental Policy

Practicum Courses

Select one of the following: 3

BSC 398	Undergraduate Research
BSC 497	Special Topics (Biological Sciences Internship)
GY 483	Environment Science Internship
GY 494	Forest Measurement & Analysis
NEW 310	Independent Study

Total Hours 18

Non-Biology Majors

The Natural Resource Management 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	Principles of Natural Resources Conservation	3
GY 339	Natural Resource Envrirn Plang	

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 and Silvics
NEW 401	Birds and Birding
NEW 490	Special Topics (Everyday Wildlife in Alabama)
NEW 490	Special Topics (Everyday Forestry in Alabama)

Policy, Planning, and Economics

Select at least one of the following: 3

GY 339	Natural Resource Envrirn Plang (If not taken as foundational course above)
GY 351	Geography Of Alabama

GY 452	Environ Decision Making
GY 460	Environmental Management
NEW 230	Environmental Studies
NEW 365	Introduction to Environmental Policy

Practicum Courses

Select at least one of the following: 2

BSC 398	Undergraduate Research
BSC 497	Special Topics (Biological Sciences Internship)
GY 483	Environment Science Internship
GY 494	Forest Measurement & Analysis
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. 253) 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-Design, 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).

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.

	Hours
Electives 100 or 200 level ¹	9
Electives 300 or 400 level ¹	12
Total Hours	21

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. 253) 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 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 BA 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. 418)
- Minor
 - Philosophy (p. 421)

The faculty output is controlled using the 'Faculty List' step in the toolbar.
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

Hestevold, H. Scott

Associate Professors

Rachels, Stuart

Wrenn, Chase

Assistant Professors

Bordner, S. Seth

Ehrenberg, Kenneth

Nath, Rekha

Professors Emeriti

Max O. Hocutt

Norvin W. Richards

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/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.

Major Courses

		Hours
PHL 195 or	Introduction to Deductive Logic	3

PHL 106	Honors Introduction to 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

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

PHL 221	Honors Introduction to Ethics	3
PHL 223	Medical Ethics	3
PHL 230	Political Philosophy	3
PHL 231	Social Justice in Practice	1
PHL 234	Social Philosophy	3
PHL 240	Philosophy and the Law	3
PHL 241	Philosophical Issues in Criminal Law	3
PHL 242	Philosophical Issues in Civil Law	3
PHL 243	Philosophical Issues in Constitutional Law	3
PHL 256	Philosophy of Sport	3
PHL 291	Aesthetics	3
PHL 292	Introduction to Ethics	3
PHL 332	Theories of Justice	3
PHL 333	Global Justice	3
PHL 341	Law and Morality	3
PHL 343	Philosophical Issues in International Law	3
PHL 420	Special Studies in Ethics	3
PHL 440	Seminar on Law	3
PHL 448	Philosophy of Law	3
PHL 455	Philosophy through Documentary	3

Area 2: Language, Epistemology, Mind and Metaphysics

PHL 260	Mind and Nature	3
PHL 264	Introduction to Metaphysics	3
PHL 281	Introduction to Philosophy of Religion	3
PHL 286	Introduction to Philosophy of Science	3
PHL 360	Philosophy of Mind	3
PHL 362	Mind, Language, and Reality	3
PHL 364	Philosophy of Cognitive Science	3
PHL 366	Metaphysics	3
PHL 370	Epistemology	3
PHL 381	Philosophy of Religion	3
PHL 387	Philosophy and Evolution	3
PHL 428	Metaethics	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. 253) 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 and Brain Specialization

The Mind and 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 and Brain Specialization makes philosophy an attractive second major.

Completion of the Mind and Brain specialized major will be noted on the student's transcript.

Required Courses

PHL 195 or	Introduction to Deductive Logic	3
PHL 106	Honors Introduction to 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 ¹		12
Select any additional six hours of PHL courses that include at least one Value course		6
Credit Hours Subtotal:		18

Total Hours 30

¹ The PHL Mind & Brain electives include the following: PHL 360 Philosophy of Mind; PHL 362 Mind, Language, and Reality; PHL 364 Philosophy of Cognitive Science; PHL 366 Metaphysics; PHL 370 Epistemology; and PHL 387 Philosophy and Evolution.

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 specialized major will be noted on the student's transcript.

Required Courses

PHL 195 or	Introduction to Deductive Logic	3
PHL 106	Honors Introduction to 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 241	Philosophical Issues in Criminal Law	
PHL 242	Philosophical Issues in Civil Law	
PHL 243	Philosophical Issues in Constitutional Law	
Select one of the following:		3
PHL 362	Mind, Language, and Reality	
PHL 370	Epistemology	
Credit Hours Subtotal:		18
Electives		
Select three courses from the Jurisprudence list at the 300/400 levels ¹		9
Select any additional three-hour PHL course		3
Credit Hours Subtotal:		12
Total Hours		30

¹ Jurisprudence list: PHL 292 Introduction to Ethics or PHL 221 Honors Introduction to Ethics; PHL 230 Political Philosophy; PHL 234 Social Philosophy; PHL 240 Philosophy and the Law; PHL 241 Philosophical Issues in Criminal Law; PHL 242 Philosophical Issues in Civil Law; PHL 243 Philosophical Issues in Constitutional Law; PHL 256 Philosophy of Sport; PHL 305 Symbolic Logic; PHL 333 Global Justice; PHL 341 Law and Morality; PHL 343 Philosophical Issues in International Law; PHL 349 Legal Reasoning; PHL 440 Seminar on Law; PHL 448 Philosophy of Law.

While anyone can take these classes (subject to applicable prerequisites), if you are interested in completing either the specialized major or minor, contact Professor Kenneth Ehrenberg (kmehrenberg@ua.edu) so that you can be put on a list of students to be contacted with information relevant to applying to law school and so that Prof. Ehrenberg can help advise you as you go through the completion of the specialized program. 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, the stipend for which is approximately \$1500.

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 specialized major will be noted on the student's transcript.

Required Courses

PHL 195 or	Introduction to Deductive Logic	3
PHL 106	Honors Introduction to Deductive Logic	
PHL 211	Ancient Philosophy	3
PHL 212	Early Modern Philosophy	3
PHL 223	Medical Ethics	3
PHL 286	Introduction to Philosophy of Science	3
PHL 489	Philosophy of Medicine	3
Seelct three of the following:		9
PHL 292 or	Introduction to Ethics	
PHL 221	Honors Introduction to Ethics	
PHL 230	Political Philosophy	
PHL 234	Social Philosophy	
PHL 260	Mind and Nature	
PHL 264	Introduction to Metaphysics	
PHL 360	Philosophy of Mind	
PHL 364	Philosophy of Cognitive Science	
PHL 366	Metaphysics	
PHL 387	Philosophy and Evolution	
Credit Hours Subtotal:		27
Electives		
Coursework must include at least 12 hours of 300- or 400- level PHL courses		
Select any additional three-hour PHL course		3
Credit Hours Subtotal:		3
Total Hours		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 graphics 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.

	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. 253) 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. 422)
- Minors
 - Physics (p. 425)
 - Astronomy (p. 422)

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.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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

White, Raymond E. III

Professors

Piepkke, Andreas G.

Stancu, Ion

Busenitz, Jerome K.

Buta, Ronald J.

Butler, William H.

Harms, Benjamin C.

Harrell, J.W.

Keel, William C.

Mankey, Gary J.

Schad, Rainer

Sarker, Sanjoy

Stern, Allen B.

Associate Professors

Mryasov, Oleg

LeClair, Patrick

Mewes, Tim

Assistant Professors

Mewes, Claudia

Henderson, Conor

Bailin, Jeremy

Irwin, Jimmy
Rumerio, Paolo
Okada, Nobuchika
Townasley, Dean M.
Williams, Dawn R.

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.

		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

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. 253) 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/or 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 grade point average 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 the PH 490 Honors Seminar In Physics. 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. 253) 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 Track

Primarily designed for students considering graduate work in physics, the graduate school track requires the successful completion of the following 36 semester hours:

	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

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:

	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. 479).

The physics education track requires the successful completion of the following 33 semester hours:

	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	4
& PH 255 and Modern Physics Lab	
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

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:

	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	4
& PH 255 and Modern Physics Lab	
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 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
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:		39
Total Hours		72

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 very 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, attended 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.

	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. 253) 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 BA 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. 429)
 - International Studies (BA) (p. 426)
- Minors
 - Political Science (p. 430)
 - International Studies (p. 428)
 - Public Policy (p. 431)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

PSC101 Intro American Politics
SB

Hours 3

Survey of the principles, political institutions, and practices of American national, state, and local politics.

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 and Professor

Smith, Joseph L.

Professors

Baldwin, J. Norman

Borrelli, Stephen A.

Cassel, Carol A.

DeRouen, Karl, Jr.

Fording, Richard C.

Gibler, Douglas M.

McKnight, Utz Lars

Associate Professors

Frazier, Derrick V.

Miller, Ted H.

Patton, Dana J.

Royed, Terry J.

Assistant Professors

Bauer, Nichole M.

Hale, Christopher W.

Hawley, George

Kerr, Nicholas N.

Levine, Daniel J.

Professors Emeriti

Alsikafi, Majeed

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 interests, for example, in public service careers that deal with international affairs, the legal profession—especially international law, teaching in high schools and universities, the military, and political advocacy. Beyond the college requirements, course work for this major typically includes political science, history, languages, economics and anthropology.

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.

		Hours
Major Courses		
ANT 102	Intro Cultural Anthropology	3
EC 111	Principles of Macroeconomics	3
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
Concentration		
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. Other courses can sometimes be approved by International Studies advisers during advising periods on a course-by-course basis. **A maximum of 6 hours can be in a single department.** A minimum of 6 hours must be at the 300- or 400-level. PSC 321 Special Topics In Psc and PSC 422 Seminar Political Science can be used to satisfy field requirements provided the topic relates to the specific field and the program director approves.

Field 1: International Relations

ANT 210	Language And Culture	3

ANT 275	Race, Ethnicity Human, and Variation	3
ANT 311	Population, Health & Human Origin	3
ANT 402	Gender Ethnicity & Health	3
ANT 418	Dev Non-West Cultures	3
ANT 436	Social Structure	3
ANT 440	Culture	3
CIP 200	Introduction To Global Studies	3
GY 377	Cultural Geography	3
GY 453	Environment & Society	3
HY 326	Us-World Power sc 1898	3
HY 481	War/Dipl. in Med & Mod. Europe	3
HY 482	War & Religion in the West	3
IHP 105	Culture & Human Experience	3
IHP 155	Culture and the Human Experience	3
PSC 203	Comparative Politics	3
PSC 330	Democratization	3
PSC 340	Civil Wars	3
PSC 413	Amer Foreign Policy	3
PSC 434	Internatl Polit Econom	3
PSC 442	Internatl Conflict	3
PSC 443	Comparative Pub Policy	3
PSC 444	International Organizations	3
PSC 446	Political Economy of Security	3

Field 2: International Business

EC 430	International Trade	3
EC 431	International Finance	3
FI 431	International Finance	3
IBA 350	Introduction to World Business	3
IBA 351	Multinational Business Communication	3
IBA 455	Global Marketing	3
IBA 460	Export/Import Management	3

Field 3: Peace and Conflict Studies

HY 341	Hy US - Vietnam War	3
HY 357	World War I	3
HY 358	World War II	3
HY 413	Mexican War Thru Civil War	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
EC 444	Political Economy of Terrorism	3
PSC 435	War And Peace	3
PSC 442	Internatl Conflict	3
PSC 446	Political Economy of Security	3

Concentrations

Students must earn a minimum of 9 hours chosen from one of the following areas (or methods specialization for peace and conflict studies). Other courses can sometimes be approved by International Studies advisers during advising periods on a course-by-course basis. **A maximum of 6 hours can be in a single department.** A minimum of 3 hours must be at the 300 or 400 level. PSC 321 Special Topics In Psc and PSC 422 Seminar Political Science can be used to satisfy concentration

requirements provided the topic relates to the specific field and the program director approves.

Concentration 1: Asia

ANT 417	Peoples Of Asia	3
HY 113	Asian Civilization to 1400	3
HY 114	Modern Asia since 1400	3
HY 402	Modern Japan since 1550	3
HY 403	Chinese Civ. to 1600	3
HY 404	Modern China since 1600	3
REL 220	Survey Of Asian Religion	3
Language minor: Chinese or Japanese		

Concentration 2: Latin America

ANT 408	Ancient Mexican Civilization	3
ANT 409	Ancient Maya Civilization	3
ANT 413	Peoples Of Latin Amer	3
EC 442	Economic Development of Latin America	3
HY 111	Colonial Latin America	3
HY 112	Modern Latin America Since 1808	3
HY 474	Relation US Latin Amer	3
HY 475	Caribbean Basin 1492 - Present	3
Language minor: Spanish		

Concentration 3: Middle East and Africa

ANT 414		3
CL 384	Ancient Egypt Near East	3
GY 444	Field Studies In Africa	6
HY 384	Ancient Egypt Near East	3
REL 224	Judaism	3
Language minor: French or student-designed minor in Arabic language and culture		

Concentration 4: Russia and Eastern Europe

HY 361	Russia to 1894	3
HY 362	Russia-Soviet Union since 1894	3
RUS 252	Russian Folklore	3
Language minor: Russian.		

Concentration 5: Western Europe

ANT 412	Peoples Of Europe	3
CL 385	History Of Greece	3
CL 386	History Of Rome	3
GN 260	Holocaust In Film & Lit	3
HY 247	England To 1688	3
HY 321	Religion in Modern Europe	3
HY 349	History of France 1760-present	3
HY 357	World War I	3
HY 358	World War II	3
HY 365	European Consumer Society	3
HY 385	History Of Greece	3
HY 386	History Of Rome	3
HY 393		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 451	Early Modern Germany	3
HY 490	England under Tudors	3
HY 491	England under Stuarts	3
HY 493	Britain in the 18th Century	3
HY 494	Britain in the Victorian Age	3
PSC 334	Government Politics West Europ	3
Language minor: French, German, Italian, or Spanish		

Concentration 6: Methods Specialization (peace and conflict studies only)

EC 471	Econometrics	3
HY 430	UG Research Seminar	3
PSC 202	Political Science Methods	3
ST 260	Statistical Data Analysis	3
ST 450	Statistical Methods in Research I	3
ST 451	Statistical 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. 253) 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, courses in the field and area requirements may have prerequisites.

Required Minor

Students must minor in a foreign language that is spoken in the area of the world chosen from the area requirement. A minor in any language will meet this requirement for the peace and conflict studies field.

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.

Besides positions in fields of public service and politics (especially the diplomatic fields), law, education, military, and journalism, there are opportunities for graduates in business.

Types of Jobs Accepted

Graduate school, military, business

International Studies, Minor

318 ten Hoor Hall

internationalstudies@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.

Hours

Minor Courses

Select two of the following:		6
ANT 102	Intro Cultural Anthropology	
EC 111	Principles of Macroeconomics	
GY 105	World Regional Geography	
HY 102 or	Western Civ Since 1648	
HY 106	Honors West Civ Sc 1648	
PSC 204	International Relations	
Field requirement		
Select six hours ¹		6
Select six hours at the 300 or 400 level ¹		6
Total Hours		18

¹ Students must earn a minimum of 12 hours chosen from one of the following fields. Other courses can sometimes be approved by International Studies advisers on a course-by-course basis.

Fields

Field 1: International Relations

ANT 210	Language And Culture	3
ANT 275	Race, Ethnicity Human, and Variation	3
ANT 311	Population, Health & Human Origin	3
ANT 402	Gender Ethnicity & Health	3
ANT 418	Dev Non-West Cultures	3
ANT 436	Social Structure	3
ANT 440	Culture	3
CIP 200	Introduction To Global Studies	3
GY 377	Cultural Geography	3
GY 453	Environment & Society	3
HY 326	Us-World Power sc 1898	3
HY 481	War/Dipl. in Med & Mod. Europe	3
HY 482	War & Religion in the West	3
IHP 105	Culture & Human Experience	3
IHP 155	Culture and the Human Experience	3
PSC 203	Comparative Politics	3
PSC 413	Amer Foreign Policy	3
PSC 434	Internatl Polit Econom	3
PSC 442	Internatl Conflict	3
PSC 443	Comparative Pub Policy	3
PSC 444	International Organizations	3
PSC 446	Political Economy of Security	3

Field 2: International Business

EC 430	International Trade	3
EC 431	International Finance	3
FI 431	International Finance	3
IBA 350	Introduction to World Business	3
IBA 351	Multinational Business Communication	3

IBA 455	Global Marketing	3
IBA 460	Export/Import Management	3

Field 3: Peace and Conflict Studies

HY 341	Hy US - Vietnam War	3
HY 357	World War I	3
HY 358	World War II	3
HY 413	Mexican War Thru Civil War	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
EC 444	Political Economy of Terrorism	3
PSC 435	War And Peace	3
PSC 442	Internatl Conflict	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. 253) 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 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.

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; 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 sponsors the Gamma Omicron chapter of Pi Sigma Alpha, the National Political Science Honor Society. The department also offers internship opportunities in state government and politics in Montgomery and in national government and politics in Washington, D.C.

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.

		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		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

PSC 103	Intro Public Policy	3
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 364	African Amer & Polit Sys	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 464	The Politics of Health Policy	3
PSC 465	The Politics of Sex	3

Field 2: Comparative Politics

PSC 203	Comparative Politics	3
PSC 330	Democratization	3
PSC 334	Government Politics West Europ	3
PSC 335	Soc Movements & Cont Politics	3
PSC 344	The Israel-Palestine Conflict	3
PSC 443	Comparative Pub Policy	3

Field 3: Political Theory

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

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	Introduction to 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

PSC 204	International Relations	3
PSC 413	Amer Foreign Policy	3
PSC 434	Internatl Polit Econom	3
PSC 435	War And Peace	3
PSC 441	Terrorism	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. 253) 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 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 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.

Besides positions in the fields of public service and politics, law, education and journalism, there are opportunities for graduates in business.

Types of Jobs Accepted

congressional staff member, political party staff member, staff member at nonprofit organization, law enforcement official, military officer, teacher, AmeriCorps member

Jobs of Experienced Alumni

elected official, lawyer, judge, civil servant, 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.

		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 three of the fields		9
Credit Hours Subtotal:		9
Electives		
Select six hours of PSC electives, 300-499		6
Credit Hours Subtotal:		6
Total Hours		21

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

PSC 103	Intro Public Policy	3
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 364	African Amer & Polit Sys	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 464	The Politics of Health Policy	3
PSC 465	The Politics of Sex	3

Field 2: Comparative Politics

PSC 203	Comparative Politics	3
PSC 330	Democratization	3
PSC 334	Government Politics West Europ	3
PSC 335	Soc Movements & Cont Politics	3
PSC 344	The Israel-Palestine Conflict	3
PSC 443	Comparative Pub Policy	3

Field 3: Political Theory

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

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	Introduction to 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

PSC 204	International Relations	3
PSC 413	Amer Foreign Policy	3
PSC 434	Internatl Polit Econom	3
PSC 435	War And Peace	3
PSC 441	Terrorism	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. 253) 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

Specific sections of topics courses (PSC 320 Special Studies In Psc, PSC 321 Special Topics In Psc 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.

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 210

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 for Social Work Practice

Public Policy

Select two or three of the following:

6-9

Economic Policy:

EC 410	Law And Economics
EC 413	Economic Forecasting & Analysis
EC 430	International Trade
EC 444	Political Economy of Terrorism
EC 480	Economics of the Environment and Natural Resources
EC 423	Public Finance
EC 482	Seminar on Economic Issues
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
GY 460	Environmental Management
GY 461	
MS 433	Coastal Zone Management
SOC 444	Environmental Sociology
SW 419	International Social Development

Foreign Policy:

HY 326	Us-World Power sc 1898
HY 474	Relation US Latin Amer
PSC 321	Special Topics In Psc (Transnational Politics or International Institutions) ¹
PSC 342	For Pol Sov Un Suc State
PSC 413	Amer Foreign Policy
PSC 434	Internatl Polit Econom
PSC 444	International Organizations
PSC 422	Seminar Political Science

Health Care Policy:

ANT 311	Population, Health & Human Origin
ANT 402	Gender Ethnicity & Health
ANT 411	Culture, Health, & Healing
CHS 330	Intro Clinical Medicine
CHS 400	Rural Envir/Occup Health
CHS 420	Basic Epidemiology
CHS 427	Health Policy & Planning
FI 444	Life & Health Insurance
LGS 472	Legal Aspects of Health Care
PHL 332	Theories of Justice
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
PSC 442	Internatl Conflict
PSC 446	Political Economy of Security

Social Welfare Policy and Services:

SW 200	History of Social Welfare in the United States
SW 206	Growing Old In America
SW 208	Juvenile Delinquency:Causes, Control, and Services
SW 210	Family & Child Welfare
SW 351	Oppression & Soc Injustice
SW 401	Social Welfare Policy & Services
SW 442	SW Practice with Communities

Trade Policy:

EC 416	Monetary Theory & Policy
FI 416	Monetary Theory & Policy
LGS 402	Government & Business

Urban Policy:

GY 200	Principles Of Planning
GY 365	Industrial Develop & Location
GY 440	Commun Facil Planning
GY 441	Land Use Regulations
GY 458	Urban Planning And Analysis
GY 465	Region Planning Analysis
GY 466	Region Urban Transport Systems

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. 253) 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

The public policy studies minor requires a minimum of 18 hours.

Students must take 3 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 6 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. 433)
 - Psychology (BS) (p. 435)
- Minor
 - Psychology (p. 436)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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

Connors, Frances

Professor and Director of Center for Mental Health and Aging

Parmelee, Patricia

Professor and Director of Graduate Studies

Merrill, Ed

Saxon Professor

Lochman, John E.

Professors

Allen, Rebecca

Brodsky, Stanley L.

Lichstein, Kenneth L.

Salekin, Randall

Scogin, Forrest R., Jr.

Thorn, Beverly

Ward, Thomas B.

Professor and Director of Clinical Psychology

Crowther, Martha R.

Associate Professor and Director of Experimental Psychology

Gable, Philip

Assistant Professor and Director of Undergraduate Studies

McDonald, Kristina

Associate Professors

Kim, Giyeon

Black, Sheila

Hamilton, James C.

Parker, Jeffrey

Roskos, Beverly

Salekin, Karen

Snow, Lynn A.

Assistant Professor and Director of the Psychological Clinic

Shealy, R. Clayton

Assistant Professors

McDonough, Ian

Cox, Jennifer

Kim, Minjung

Dautovich, Natalie

Gilpin, Ansley Tullos

Glenn, Andrea

Hart, William

Jarrett, Matthew

Kim, Giyeon

Ryan, Sarah

Tomeny, Ted

Tullett, Alexa

Assistant Clinical Teaching Professors

Cummings, Craig

Allen, Jessica

Souza, Andre L.

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 communications 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, a student must have at least a 3.5 grade point average in psychology coursework and a 3.0 cumulative GPA; however, meeting these minimum requirements 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.

Major Courses

PY 101	Intro To Psychology	3
PY 211	Elem Statistical Methods	3
PY 321	Professional Issues Proseminar in Psychology	1
PY 355	General Experimental Psychology	3
PY 356	Research Laboratory	2
PY 370	History & Systems in Psychology	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 & PY 491	Junior Honors Seminar and Senior Seminar In Psychology	
PY 391 & PY 491	Junior Seminar 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

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

PY 352	Developmental Psych	3
PY 365	Psychology Of Aging	3
PY 461	Child Psychology	3

Learning/Cognition

PY 361	Psychology Of Learning	3
PY 470	Intro Cognitive Psychlgy	3

Social/Personality

PY 358	Abnormal Psychology	3
PY 368	Intro To Personality	3
PY 372	Social Psychology	3

Biologically Based

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. 253) 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 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, 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 communications 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, a student must have at least a 3.3 grade point average in psychology coursework and a 3.0 cumulative GPA; however, meeting these minimum requirements 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.

		Hours
Major Courses		
PY 101	Intro To Psychology	3
PY 211	Elem Statistical Methods	3
PY 321	Professional Issues Proseminar in Psychology	1
PY 355	General Experimental Psychology	3
PY 356	Research Laboratory	2
PY 370	History & Systems in Psychology	3
Select one seminar sequence: ¹		6
PY 379 & PY 479	Junior Honors Seminar and Senior Honors Seminar	
PY 391 & PY 491	Junior Seminar and Senior Seminar In Psychology	
PY 491 & 491	Senior Seminar In Psychology 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 & 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:		12
Total Hours		45

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

Upper-level Residency

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

Required Minor

This major requires the completion of a minor.

Additional Major Requirements

Majors must receive a minimum grade of C- in PY 211 Elem Statistical Methods. Students are responsible for ensuring that they have met all University, College, major and minor requirements. However, each student must meet with an adviser in the major department for academic planning and to be approved for registration each semester. College advisers are also available for additional assistance with minor, college and University requirements.

Prerequisites

PY 101 Intro To Psychology or PY 105 Honors Intro Psychology is a prerequisite for all higher-numbered psychology courses. Unless otherwise stated, all 400-level PY courses have as a prerequisite 12 hours in the psychology department, including PY 355 General Experimental Psychology and PY 356 Research Laboratory. PY 355 General Experimental Psychology and PY 356 Research Laboratory require a grade of C- in PY 211 Elem Statistical Methods as a prerequisite.

Area Requirement

Students must complete courses from three of the following content areas for a total of nine hours. At least one course should be at the 400 level.

Developmental

PY 352	Developmental Psych	3
PY 365	Psychology Of Aging	3
PY 461	Child Psychology	3

Learning/Cognition

PY 361	Psychology Of Learning	3
PY 470	Intro Cognitive Psychlgy	3

Social/Personality

PY 358	Abnormal Psychology	3
PY 368	Intro To Personality	3
PY 372	Social Psychology	3

Biologically Based

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.

		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. 253) 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 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.

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 can also pursue a minor either in studying 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 such other fields 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 Track (requiring a regular seminar designated as an Honors Seminar plus an Honors Thesis [REL 400]) is now available; to learn more please speak with the REL advisor no later than your Junior year if you are interested.

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.

- Major
 - Religious Studies (BA) (p. 439)
- Minors
 - Religious Studies (p. 441)
 - Asian Studies (p. 437)
 - Judaic Studies (p. 438)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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 question of how do we academically study the socio-cultural constructs that we call "religion" and "violence" by examining theories & theorists of each as well as academic disciplines that study them, all in order to examine their possibly common elements and intersections. The course therefore examines 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

McCutcheon, Russell T.

Professor

Trost, Theodore L.

Associate Professors

Jacobs, Steven L.

Ramey, Steven W.

Assistant Professor

Altman, Michael

Finnegan, Eleanor

Loewen, Nathan

Simmons, K. Merinda

Touna, Vaia

Asian Studies, Minor

212 Manly 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.

		Hours
Minor Courses		
Select two of the following:		6
ARH 254	Survey Of Art III	
HY 113	Asian Civilization to 1400	
HY 114	Modern Asia since 1400	
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:

ARH 254	Survey Of Art III	3
ARH 455	Topics In Asian Art	3
ARH 456	The Arts Of Buddhism	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 Reading and Writing Chinese I	3
CHI 402	Advanced Reading and Writing Chinese II	3
HY 113	Asian Civilization to 1400	3
HY 114	Modern Asia since 1400	3
HY 403	Chinese Civ. to 1600	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 208	Hinduism	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: Told and Retold in Film and Popular Culture	3
REL 350	Religion in Colonial Empire	3

Grade Point Average

A 2.0 grade point average in the minor is required. Please see the Grades and Grade Points (p. 253) 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 inter-disciplinary 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 adviser for this degree.

212 Manly Hall
religion.ua.edu/judaicstudiesminor.html

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 adviser 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 annually awards both Silverstein Fellowships (providing the opportunity to work in the department for one or more semesters, assisting in the main office and assisting professors with their work) and Silverstein Scholarships (awarded by the faculty each Honors Day based on a student's GPA [only JS minors and REL majors are eligible]). To learn more about these funding opportunities, visit as.ua.edu/rel/stdeskscholarships.html. 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 along with the "Religious Studies Student Association" or on Twitter @StudyReligion.

	Hours
Minor Courses	
Select one of the following:	3
REL 100 Intro To Religious Studies	
REL 102 Intro to Religions of the 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. 253) 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 crosscultural 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 Manly Hall
religiousstudies@as.ua.edu

Admission into the Major

Students are encouraged to declare a major no later than the fourth semester of full-time enrollment (or at 61 semester hours for transfer students). Students declare a major by completing the Change of Major/Minor Application online under the Student tab of 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 annually awards both Silverstein Fellowships (providing the opportunity to work in the department for one or more semesters, assisting in the main office and assisting professors with their work) and Silverstein Scholarships (awarded by the faculty each Honors Day based on a student's GPA [REL majors and Judaic Studies minors are eligible]). To learn more about these funding opportunities, visit as.ua.edu/rel/stdeskscholarships.html. 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. Finally, apart from featuring undergraduate research on the department's blog, its 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 sufficient credits to total 120 credit hours.

	Hours
Required Courses	
REL 100 or Intro To Religious Studies	3
REL 105 Honors Intro Relig Stdy	
REL 102 Intro to Religions of the World	3
REL 490 Senior Capstone Seminar ¹	3
Track Requirement	
Select a track ²	12
Electives	

Select nine hours of REL electives	9
Total Hours	30

- 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.
- ²
Students must earn 12 hours in one of the following three tracks: Religion in Communication, Religion in Conflict or Religion in Context.

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. 253) 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

Including REL 490 Senior Capstone Seminar, a minimum of 15 hours must be earned in 300- or 400-level courses; at least six of these upper-level hours (usually two courses) must be earned in courses offered by the religious studies department.

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 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.

Prerequisites

Unless otherwise stated, the prerequisite for 300- and 400-level REL courses is junior standing or permission of the instructor.

Tracks

Track I: Religion in Communication

		Hours
Courses in the Religion in Communication track focus on the ways people communicate about religion in arenas of popular culture as well as in academe.		
REL 110	Intro To The Old Testament	3
REL 112	Intro To New Testament	3
REL 124	Religion & Film in America	3
REL 224	Judaism	3
REL 228	Hy Of Christian Thought	3
REL 231		3
REL 237	Self Society & Religions	3
REL 240	Apocalypse In Contemporary Fil	3
REL 311	English Bible As Literature	3
REL 322	Tales from Asia: Told and Retold in Film and Popular Culture	3
REL 340	Nietzsche and Religion	3
REL 341	Theories of Myth	3
REL 420	Gospel Of Mark	3
REL 430	Religion and Literature	3
REL 440	Theories of Religion	3

Track II: Religion in Conflict

		Hours
Courses in the Religion in Conflict track emphasize the various ways in which religion and conflict overlap and intersect.		
REL 101	The Violent and the Sacred: Religion and the Problem of Human Suffering	3
REL 220	Survey Of Asian Religion	3
REL 223	Holocaust Historical Perspecti	3
REL 226	African Diaspora Religions	3
REL 234	Women And Religion	3
REL 240	Apocalypse In Contemporary Fil	3
REL 241	American Religious History	3
REL 245	Honors Hist. Religions of Amer	3
REL 321	Rel & Ident in South Asia	3
REL 347	Jewish-Christian Relations	3
REL 350	Religion in Colonial Empire	3
REL 410	Religion and Genocide	3
REL 415	Religion in the American South	3
REL 419	Myth Ritual And Magic	3

Track III: Religion in Context

		Hours
Courses in the Religion in Context track focus on collections of beliefs and behaviors in relation to the social contexts in which they appear and operate.		
REL 110	Intro To The Old Testament	3
REL 112	Intro To New Testament	3
REL 124	Religion & Film in America	3
REL 208	Hinduism	3
REL 220	Survey Of Asian Religion	3

REL 226	African Diaspora Religions	3
REL 228	Hy Of Christian Thought	3
REL 234	Women And Religion	3
REL 236	Islam	3
REL 237	Self Society & Religions	3
REL 238	Philosophies Of Judaism	3
REL 241	American Religious History	3
REL 245	Honors Hist. Religions of Amer	3
REL 311	English Bible As Literature	3
REL 321	Rel & Ident in South Asia	3
REL 322	Tales from Asia: Told and Retold in Film and Popular Culture	3
REL 341	Theories of Myth	3
REL 415	Religion in the American South	3
REL 419	Myth Ritual And Magic	3
REL 420	Gospel Of Mark	3
REL 440	Theories of Religion	3

Variable Topics Courses

Depending on the topic, the following courses may be counted toward any track. In addition, students can earn a maximum of nine hours for any variable topics courses that address different course content.

REL 361	Individual Research	3
REL 370	Adv Study Religion In Religion and Communication	3
REL 371	Adv St Religion and Conflict	3
REL 372	Adv Std Religion and Context	3
REL 373	Seminar Rel and Communication	3
REL 400	RELIGIOUS STUDIES HONORS THESIS	3
REL 460	Individual Research	3
REL 461	Individual Research	3
REL 480	Seminar Rel and Conflict	3
REL 483	Seminar Rel and Context	3
REL 490	Senior Capstone Seminar	3

Religion in Popular Culture

REL 360 Individual Research 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 360 Individual Research 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 includes attending either the annual Day or Aronov Lectures (the former each Fall and the latter each Spring).

REL Honors Track

REL 400 RELIGIOUS STUDIES HONORS THESIS is part of the REL Honors Track, 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). The track 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 this track; for more information speak with an REL professor whom you hope to be your thesis advisor.

Types of Jobs Accepted

Lawyer, Medical Doctor, Academic Publisher, Religious Professional, Human Resources Specialist, Lobbyist.

Learn more about opportunities in this field at the Career Center

Religious Studies, Minor

212 Manly 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 annually awards both Silverstein Fellowships (providing the opportunity to work in the department for one or more semesters, assisting in the main office and assisting professors with their work) and Silverstein Scholarships (awarded by the faculty each Honors Day based on a student's GPA [only REL majors and Judaic Studies minors are eligible]). To learn more about these funding opportunities, visit as.ua.edu/rel/stdeskscholarships.html. 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. Finally, apart from featuring undergraduate research on the department's blog, it hosts an annual undergraduate research symposium – talk to an REL professor about getting involved.

Find us on Facebook at "Department of Religious Studies at the University of Alabama" and the "Religious Studies Student Association" or on Twitter @StudyReligion.

		Hours
Minor Courses		
REL 100 or	Intro To Religious Studies	3
REL 105	Honors Intro Relig Stdy	
REL 102	Intro to Religions of the World	3
Credit Hours Subtotal:		6
Track		
Select nine hours		9
Credit Hours Subtotal:		9
Electives		
Select six hours of REL electives		6
Credit Hours Subtotal:		6
Total Hours		21

Tracks

Students must earn nine hours in one of the following three tracks: Religion in Communication, Religion in Conflict or Religion in Context.

Religion in Communication

		Hours
REL 110	Intro To The Old Testament	3
REL 112	Intro To New Testament	3

REL 124	Religion & Film in America	3
REL 224	Judaism	3
REL 228	Hy Of Christian Thought	3
REL 231		3
REL 237	Self Society & Religions	3
REL 240	Apocalypse In Contemporary Fil	3
REL 311	English Bible As Literature	3
REL 322	Tales from Asia: Told and Retold in Film and Popular Culture	3
REL 340	Nietzsche and Religion	3
REL 341	Theories of Myth	3
REL 420	Gospel Of Mark	3
REL 430	Religion and Literature	3
REL 440	Theories of Religion	3

Religion in Conflict

		Hours
REL 220	Survey Of Asian Religion	3
REL 223	Holocaust Historical Perspecti	3
REL 226	African Diaspora Religions	3
REL 234	Women And Religion	3
REL 240	Apocalypse In Contemporary Fil	3
REL 241	American Religious History	3
REL 245	Honors Hist. Religions of Amer	3
REL 321	Rel & Ident in South Asia	3
REL 347	Jewish-Christian Relations	3
REL 350	Religion in Colonial Empire	3
REL 410	Religion and Genocide	3
REL 415	Religion in the American South	3
REL 419	Myth Ritual And Magic	3

Religion in Context

		Hours
REL 110	Intro To The Old Testament	3
REL 112	Intro To New Testament	3
REL 124	Religion & Film in America	3
REL 208	Hinduism	3
REL 220	Survey Of Asian Religion	3
REL 226	African Diaspora Religions	3
REL 228	Hy Of Christian Thought	3
REL 234	Women And Religion	3
REL 236	Islam	3
REL 237	Self Society & Religions	3
REL 238	Philosophies Of Judaism	3
REL 241	American Religious History	3
REL 245	Honors Hist. Religions of Amer	3
REL 311	English Bible As Literature	3
REL 321	Rel & Ident in South Asia	3
REL 322	Tales from Asia: Told and Retold in Film and Popular Culture	3
REL 341	Theories of Myth	3
REL 415	Religion in the American South	3
REL 419	Myth Ritual And Magic	3

REL 420	Gospel Of Mark	3
REL 440	Theories of Religion	3

Variable Topics Courses

Depending on the topic, the following courses may be counted toward any track. In addition, students can earn a maximum of nine hours for any variable topics courses that address different course content.

		Hours
REL 361	Individual Research	3
REL 370	Adv Study Religion In Religion and Communication	3
REL 371	Adv St Religion and Conflict	3
REL 372	Adv Std Religion and Context	3
REL 373	Seminar Rel and Communication	3
REL 460	Individual Research	3
REL 461	Individual Research	3
REL 480	Seminar Rel and Conflict	3
REL 483	Seminar Rel and Context	3
REL 490	Senior Capstone Seminar	3

Religion in Popular Culture

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 360 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 includes attending either the annual Day or Aronov Lectures (the former each Fall and the latter each Spring).

REL Honors Track

The REL Honors Track, involving 3 hours of REL 400, 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. 253) 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

A minimum of nine hours must be earned in 300- or 400-level courses.

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 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 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.

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. 446)
 - Dance (BA) (p. 443)
 - Theatre with a Musical Theatre Track (BA) (p. 444)
- Minors
 - Theatre (p. 446)

The faculty output is controlled using the 'Faculty List' step in the toolbar.
DN110 Intro To Dance Styles
Hours 2

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

Professor and Chair
Teague, William

Professor
Carter, Cornelius

Associate Professors
Barry, Sarah M.
Burch, Steven
Crystal, Raphael
Fitch, Thomas A.

Guo, Qianping
Hetzel, Allison B.
Meester, Donna
Panitch, Seth
Snyder, Rita M.

Assistant professors
Alley, Stacy
deCelle, F. Randy
Herring, Emily

Jackson, Lawrence M.
Martin, William
Salzer, Rebecca
Tangeman, Jeffrey
Yeager, Dominic

Instructor
Virciglio, John
Clinical instructor
Armit, Jacki

Dance, BA

Students entering the program should have a strong background and interest in dance. This should include experience in at least two dance styles (ballet, modern or jazz).

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 as.ua.edu/theatre.

Special Opportunities

The dance program, accredited by the National Association of Schools of Dance (NASD), adheres to professional standards for technique in classical ballet and modern and jazz dance. The department presents two dance concerts each semester: the Alabama Repertory Dance Theatre (ARDT) and Dance Alabama! concerts. Alabama Repertory Dance Theatre is the pre-professional student dance company that performs classical repertoire as well as contemporary and jazz choreography. Acceptance into the company is by audition only. Dance Alabama! concerts are comprised of student works that are chosen by dance faculty adjudication. Dance Alabama! is a theatrical venue designed to showcase serious choreography that is conceptually original, technically proficient and well crafted. Participation in ARDT and Dance Alabama! is open to dance majors and non-majors. Dance students who excel in dance and academics are also eligible for acceptance into the national dance honor society, Nu Delta Alpha.

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.

		Hours
Major Courses		
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 two of the following:		6
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: 12

Electives		
Select 12 hours of DN courses at 300/400 level		12
Select six hours of DN or DNCA electives ¹		6
Credit Hours Subtotal:		18
Ancillary Courses		
Grades in ancillary courses are not computed into the major GPA. The major in dance requires the successful completion of the following course outside the major:		
DNCA 240	Choreography I	3
DNCA 265	Introduction to Anatomy and Kinesiology For Dance	3
DNCA 470	History Of Dance I	3
DNCA 471	History of Dance II	3
TH 324	Lighting and Sound for Dance	3
Credit Hours Subtotal:		15
Total Hours		45

¹ Excluding DNCA courses counted for ancillary requirement.

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. 253) 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. A minor in theatre or business is recommended.

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 must 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 performing with professional dance companies (ballet, modern and/or jazz), Broadway/off Broadway/touring productions, cruise lines, commercial/television, teaching/running a private dance studio and freelance choreography. Students are also prepared to enter graduate programs in dance for the purpose of teaching at colleges and universities.

Types of Jobs Accepted

Graduates of the University of Alabama dance program have accepted jobs in dance performance, choreography, dance instruction and administration.

Jobs of Experienced Alumni

Our alumni have worked in professional venues such as the Radio City Rockettes, Gus Giordano, Alabama Ballet, Complexions, Disney Productions, national Broadway tours, cruise lines, freelance

choreography and top graduate schools, as well as running their own private studios.

Learn more about opportunities in this field at the Career Center

Theatre with a Musical Theatre Track, 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 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 adviser 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, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Major Courses		Hours
TH 141	Acting I	3
TH 165	Musicianship Theatre Perform I	3
TH 166	Musicianship Theatre Perf II	3
TH 220 or TH 231	Fundamental Stage Scenery 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
TH 465	Musical Theatre Performance I	3
TH 466	Musical Theatre Performance II	3
TH 491	Practicum III	1
Credit Hours Subtotal:		30
Electives		

Select six hours of TH electives	6
Credit Hours Subtotal:	6

Ancillary Courses

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

DN 210	Dance Styles II	3
DN 310	Dance Styles III	3
Select three DN hours 300-400 level chosen from the technique courses		3
Select nine DN hours 100-400 level chosen from the technique courses		9
Select four hours of the following:		4
THMT 174	Freshman Musical Theatre Voice	
THMT 274	Sophomore MTVoice	
THMT 374	Junior Musical Theatre Voice	
THMT 474	Senior MTVoice	
MUA 174	Voice (Majors)	
MUA 274	Voice (Majors)	
MUA 374	Voice (Majors)	
MUA 474	Voice (Majors)	
Select two hours of the following:		2
THMT 374	Junior Musical Theatre Voice	
THMT 474	Senior MTVoice	
MUA 374	Voice (Majors)	
MUA 474	Voice (Majors)	
Credit Hours Subtotal:		24
Total Hours		60

Technique Courses

Selections may be chosen from the following technique courses (completion of additional hours of dance technique is highly recommended). Completion of two additional hours of MUA 374 Voice (Majors) is highly recommended.

DN 110	Intro To Dance Styles	2
DN 111	Modern Dance Technique I	3
DN 121	Ballet Technique I-A	3
DN 122	Ballet Technique I-B	3
DN 142	World Dance	2
DN 151	Jazz Technique I	3
DN 200	Special Topics	3
DN 210	Dance Styles II	3
DN 211	Modern Dance II-A	3
DN 212	Modern Dance II-B	3
DN 221	Ballet Technique II-A	3
DN 222	Ballet Technique II-B	3
DN 251	Jazz Technique II-A	3
DN 252	Jazz Technique II-B	3
DN 300	Special Topics	3
DN 301	Special Topics II	1-3
DN 310	Dance Styles III	3
DN 311	Modern Dance Technique III-A	3

DN 312	Modern Dance Technique III-B	3
DN 321	Ballet Technique III-A	3
DN 322	Ballet Technique III-B	3
DN 351	Jazz Technique III-A	3
DN 352	Jazz Technique III-B	3
DN 400	Special Topics	3
DN 410	Advanced Tap Technique	3
DN 411	Modern Dance Technique IV-A	3
DN 412	Modern Dance Technique IV-B	3
DN 421	Ballet Technique IV-A	3
DN 422	Ballet Technique IV-B	3
DN 451	Jazz Technique IV-A	3
DN 452	Jazz Technique IV-B	3
KIN 121	Beginning Social Dance	1

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. 253) 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, 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.

Additional Recommendations

The Department of Theatre and Dance recommends that students in the musical theatre track also consider the following courses:

TH 230	Stage Makeup	2
TH 241 or TH 446	Beg Voice Speech Perform Adv Voice Speech Perform	3
TH 242	Acting II Intro to Scene Stud	3
TH 441	Acting III: Advanced Scene Study	3
TH 442		3
TH 444	Acting 4: Comedy and Film	3
TH 445	Acting 5: Acting Shakespeare	3
TH 447	Stage Dialects	3
TH 467	Musical Theatre Repertoire Coac	0.5-2

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 Theater), engineer at major Las Vegas production firm, national Broadway tours, 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 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 adviser 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, all requirements for an approved minor and other sufficient credits to total a minimum of 120 applicable semester hours.

Major Courses		Hours
TH 141	Acting I	3
TH 220 or TH 231	Fundamental Stage Scenery 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
TH 491	Practicum III	1
Credit Hours Subtotal:		18
Electives		
Select one hour of TH electives 300-400 level		1
Select 17 hours of TH electives		17
Credit Hours Subtotal:		18
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. 253) 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 Track (p. 444) section of this catalog).

Required Minor

The theatre major requires the completion of a minor (for exceptions, see Theatre Major: Musical Theatre Track (p. 444) 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 at 2nd Stage, NYC (Broadway Theater); engineer at major Las Vegas production firm; national Broadway tours; 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, 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.

		Hours
Minor Courses		
TH 291	Practicum I	1
Credit Hours Subtotal:		1
Electives		
TH electives 300 or 400 level		6
TH electives		14
Credit Hours Subtotal:		20
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. 253) 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.

COLLEGE OF COMMUNICATION AND INFORMATION SCIENCES

Department of Advertising and Public Relations (p. 450)

Department of Communication Studies (p. 458)

Department of Journalism Creative Media (p. 462)

School of Library and Information Studies (p. 470)

General Degree Requirements

Students should refer to the Admissions (p. 265) 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 a major in the College of Communication and Information Sciences must complete the minimum number of semester hours required by their departments and approved by the College. 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 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 and public relations, journalism, and telecommunication and film must successfully complete at least 72 hours outside the mass communication area.

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.

Absences

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. A student who fails to satisfy prerequisites and corequisites before enrolling in a course may be administratively disenrolled 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

Courses that satisfy requirements of any major in the College of Communication and Information Sciences may be taken more than once in order to earn a minimum grade of C-. Each enrollment is included in the cumulative hours attempted and in the computation of the grade point average, but only the final enrollment will be counted toward the degree.

Department and Program Requirements

Hours in the Major

Students majoring in advertising or public relations must complete no fewer than 31 hours in the major. Students majoring in journalism must complete no fewer than 35 hours in the major. Students majoring in telecommunication and film must complete no fewer than 33 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, public relations, communication studies, journalism, or telecommunication and film). 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.

Hours in the Minor

In completing a single minor, the student is required to fulfill the requirements of the department that offers the minor. For a minor in the College of Arts and Sciences, for example, students must complete between 18–22 hours, as required by the A&S department chosen for the minor. Students majoring in advertising, public relations, journalism and telecommunication and film may choose to minor in communication studies within the College or to select any minor outside of the College. Students majoring in communication studies may choose to minor in advertising, public relations, journalism or telecommunication and film.

Students in the College of Communication and Information Sciences may pursue two minors, subject to the following restrictions:

- Communication studies majors may have no more than one minor from another degree program in the College of Communication and Information Sciences.
- Majors in advertising, public relations, journalism or telecommunication and film may not minor in any College of

Communication and Information Sciences department except communication studies.

- All students must complete in residence a minimum of six to nine hours of courses numbered 300 or above in their major and minor subjects, depending on department.

Double Majors

Students majoring in one of the four mass communication degree programs in the College of Communication and Information Sciences may pursue an additional major in communication studies or any department outside the college. Students majoring in communication studies may pursue an additional major in any other department 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 adviser to develop a plan for a double major. Students who seek multiple degrees must obtain 150 hours and meet the requirements of each degree. 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 90 hours from another accredited four-year institution or a total of one-half of the hours needed for a degree from a junior college, provided that these maximum numbers do not conflict with accreditation requirements or other divisional requirements.

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.

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 he or she 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 an assigned academic adviser 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 should contact the appropriate departmental office to be assigned an academic adviser who will be able to assist them in planning their course of study in the major. It is the responsibility of each student to consult with their adviser 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.

Any student who needs assistance with selecting courses, determining academic progress, or addressing difficulties with coursework may make an appointment with their assigned academic adviser or with a faculty member in the appropriate department.

History and Objectives

The College of Communication & Information Sciences offers undergraduate degrees in Advertising, Communication Studies, Journalism, Public Relations, and Telecommunication & Film, master's degrees in Advertising & Public Relations, Book Arts, Communication Studies, Journalism, Library & Information Studies, and Telecommunication & Film, 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.

Faculty

Dean

Mark D. Nelson

Senior Associate Dean, Administration

Beth S. Bennett

Associate Dean, Graduate Studies

Shuhua Zhou

Associate Dean, Research

Kimberly Bissell

Assistant Dean, Undergraduate Studies & External Relations

Sara A. Hartley

Assistant Dean, Assessment

George Daniels

Director, Financial Affairs

Melanie Danner

Director, Development

Neely J. Portera

Director, Strategic Initiatives

Jim Bailey

Director, Digital Media Center

Elizabeth Brock

Director, College Relations

Litsa O. Rivers

Director, Student Services & Registrar

Alyson Jarnagin

Director, Employer Relations

Anita K. Hamlett

Coordinator, Student Services

Blakely Logan

Coordinator, Experiential Learning

Brandon Chicotsky

Academic Adviser

Erin H. Jett

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 mission of the Department of Advertising and Public Relations (A+PR) is to prepare highly competent, socially conscious and engaged leaders to shape the future of global advertising and public relations.

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 with at least 72 of those hours outside of APR, JN, MC and TCF, per national accreditation guidelines.

For more information about the advertising and public relations majors, advising, internships, etc., visit apr.ua.edu.

- Majors
 - Advertising (BA) (p. 451)
 - Public Relations (BA) (p. 455)
- Minors
 - Advertising (p. 454)
 - Public Relations (p. 458)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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

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.

[View All Courses](#)

Faculty

Professors

Gonzenbach, William J.

Gower, Karla K.

Lamme, Margot O.

Phelps, Joseph E.

Associate Professors

Cooper, Caryl A.

Griffin Jr., W. Glenn

Horsley, J. Suzanne

Khang, Kyoungkoo

Ki, Eyun-Jung

Kinney, T. Lance

Lewis, Regina L.

Assistant Professors

Brown, Kenon A.

Hopp, Tobias M.

Ofori-Parku, Senyo

Vargo, Christopher

Instructors

Barry, Mark

Daria, Susan E.

Henley, Teresa K.

Huffaker, Randall

Little, Michael T.

Sims, Tracy R.

Walker, Janet

Waters, Gerald

Professors emeritae

Cartee, Karen Johnson

Elebash, Camille

Mancini, Marilyn

Professors emeriti

Barban, Arnold M.

Berger, Bruce K.

Dennis, Alan

Melson, William H.

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 utilize 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:

- *General advertising major* (p. 452) (32 hours): prepares students for account management and media buying
- *Creative specialization*: prepares students for careers in *art direction* (p. 452) (37-39 hours) or *copywriting* (p. 452) (35-39 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* (p. 453) (32 hours): prepares students for careers in consumer research/insight development; 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

	Hours
Freshman Composition (FC)	
EN 101 English Composition	3
EN 102 English Composition	3
Computer Science (C) or Foreign Language (FL)	
Complete a sequence	6-8
Humanities (HU) and Fine Arts (FA)	
COM 123 Public Speaking	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 Principles of Microeconomics	3
Select three hours in Social/Behavioral Sciences ¹	3
Select three hours in History or Social/Behavioral Sciences	3
Writing	
Select six hours of W-designated courses ²	6
Total Hours	53-56

¹ Satisfied by MC 101 Intro To Mass Communic in the major.

² APR 322 Copywriting Seminar (only for 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.

General Advertising Major

	Hours
MC 101 Intro To Mass Communic	3
JN 150 Mechanics of Media Writing	1
APR 221 Intro To Advertising	3
APR 260 Design Applications	3
APR 270 Strategic Thinking (AD)	3
APR 280 Investigation and Insights	3
APR 300 Basic Principles of Design	3
MC 401 Mass Comm Law & Regultn	3
Select one of the following:	3
MC 407 Mass Communic Research ¹	
MC 409 History Mass Communctn ¹	
MC 413 Mass Communication, Service & Diversity ¹	
MC 421 Political Communication ¹	
MC 426 Race, Gender and Media ¹	
MC 425 Media Management ¹	
MC 495 Special Topics	
APR 422 Channel Planning	3
APR 423 A+PR Management	3

APR 424 Advertising Campaigns ²	3
Total Hours	34

¹ Not offered every semester

² EC 110 Principles of Microeconomics is a prerequisite to APR 424 Advertising Campaigns.

To see the required order in which you take the courses in the general advertising major, click here.

Creative Specialization for Copywriters

APR 325 Digital and Social Media and APR 380 Independent Study are optional courses in the creative specialization for copywriters.

	Hours
MC 101 Intro To Mass Communic	3
JN 150 Mechanics of Media Writing	1
APR 221 Intro To Advertising	3
APR 260 Design Applications	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 Investigation and Insights	3
APR 300 Basic Principles of Design	3
APR 310 Concepting	3
APR 410 Portfolio I ²	3
APR 322 Copywriting Seminar ²	3
MC 401 Mass Comm Law & Regultn	3
APR 411 Portfolio II	3
APR 424 Advertising Campaigns ³	3
Total Hours	35

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 corequisite courses.

³ EC 110 Principles of Microeconomics is a prerequisite to APR 424 Advertising Campaigns.

To see the required order in which you take the courses in the creative specialization for copywriters in the advertising major, click here.

Creative Specialization for Art Directors

APR 380 Independent Study is an optional course in the creative specialization for art directors.

	Hours
MC 101 Intro To Mass Communic	3
JN 150 Mechanics of Media Writing	1
APR 221 Intro To Advertising	3
APR 260 Design Applications	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 Investigation and Insights	3
APR 300 Basic Principles of Design	3
APR 310 Concepting	3
APR 410 Portfolio I ²	3

APR 323	Art Direction Seminar ²	3
MC 401	Mass Comm Law & Regultn ³	3
APR 424	Advertising Campaigns ⁴	3
Total Hours		32

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.

To see the required order in which you take the courses in the creative specialization for ad directors in the advertising major, click here.

Consumer Specialization

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

		Hours
MC 101	Intro To Mass Communic	3
JN 150	Mechanics of Media Writing	1
APR 221	Intro To Advertising	3
APR 260	Design Applications	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	Investigation and Insights	3
APR 320 or APR 325	Creative Thinking Digital and Social 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

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.

To see the required order in which you take the courses in the consumer specialization in the advertising major, click here.

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 a 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 the specialization and have the option to pursue the general advertising major, provided that they qualify academically.

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 (JN), mass communication (MC), or telecommunication and film (TCF) 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 faculty adviser when choosing coursework. Students receive adviser assignments soon after they declare the advertising major via MyBama.ua.edu, or they may go to 412 Phifer to request one. 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 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.

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

General Advertising Major Suggested Plan of Study

Freshman		
Fall	Hours Spring	Hours
APR 260	1-3 APR 221	3
JN 150	1 EN 102	3
MC 101	3 History (HI) or social/behavioral science (SB)	3
EN 101	3 MATH 110 (or higher or equivalent (MA))	3
History (HI) course	3 Elective	3
Elective	3	
14-16		15
Sophomore		
Fall	Hours Spring	Hours
APR 280	3 APR 270	3
EC 110	3 Minor	3
First literature course (L)	3 Second literature course (L)	3
Foreign language (FL) or computer science (C)	3-4 Foreign language (FL) or computer science (C)	3-4
Elective	3 Elective	3-4
15-16		15-17

Junior		
Fall	Hours Spring	Hours
APR 300	3 APR 422	3
COM 123	3 MC 400-level course	3
Fine arts	3 Minor	3
Minor	3 Minor	3
Natural science with lab (N)	4 Natural science with lab (N)	4
16		16
Senior		
Fall	Hours Spring	Hours
APR 423	3 APR 424	3
MC 401	3 Minor, elective or (W) course	3
Minor	3 Minor or elective	3
Minor	3 Elective	3
Elective	3 Elective	2
15		14

Total Hours: 120-125

Advertising, Minor Admission into the Minor

Students must declare the advertising minor before enrolling in APR 260 Design Applications.

Only students outside the College of Communication and Information Sciences (with the exception of communication studies majors) may select the advertising minor consisting of 20 credit hours. A grade of C- or higher is required in all courses required for the advertising minor. Due to the prerequisite-based curriculum, it takes at least three semesters to complete the hours in the advertising minor.

Minor Courses		Hours
MC 101	Intro To Mass Communic	3
JN 150	Mechanics of Media Writing	1
APR 221	Intro To Advertising	3
APR 260	Design Applications	1
APR 270	Strategic Thinking (AD)	3
APR 280	Investigation and Insights	3
APR 300	Basic Principles of Design	3
APR 422	Channel Planning	3
Total Hours		20

To see the required order in which you take the courses in the advertising minor, click [here](#).

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 300- or 400-level courses in the minor must be earned *in residence*.

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. 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 (412 Phifer).

Public Relations, BA

Success requires a passion for learning about public relations. 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 including the ability to conduct research to measure program needs, develop program quantifiable objectives and focused strategies, implement state-of-the-art tactics and the mastery of 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.

Students seeking a major in public relations may pursue one of the following options:

Core Curriculum and General Education Requirements

	Hours
Freshman Composition (FC)	
Select one of the following:	6
EN 101 English Composition	
EN 102 English Composition	
EN 103 Advanced English Composition	
Computer Science (C) or Foreign Language (FL) sequence	
Select six to eight hours	6-8
Humanities (HU) and Fine Arts (FA)	
COM 123 Public Speaking	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-designated courses) ²	6
Options	
Select an option	38
Total Hours	91-94

¹ Three hours are satisfied by MC 101 Intro To Mass Communic in the major; EC 110 Principles of Microeconomics is recommended.

² JN 311 News Writing and Reporting and APR 332 Public Relations Writing in the major will satisfy the writing core.

General Public Relations Major

General public relations major (38 hours): prepares students for a wide variety of public relations careers.

	Hours
MC 101 Intro To Mass Communic	3
JN 150 Mechanics of Media Writing	1
APR 231 Intro Public Relations	3
APR 260 Design Applications	1
APR 271 Strategic Thinking (PR)	3
APR 280 Investigation and Insights	3
APR 300 Basic Principles of Design	3
JN 311 News Writing and Reporting	3
APR 332 Public Relations Writing ¹	3
Select three of the following:	9
APR 415 Online Magazine Writing ^{1, 2}	
APR 419 Public Relations Concepting and Implementation ¹	
APR 423 A+PR Management ¹	
APR 425 Crisis and Emergency Management ¹	
APR 426 International Public Relations ¹	
APR 427 Public Relations Leadership ^{1, 2}	
MC 401 Mass Comm Law & Regultn	3
APR 433 Public Relations Campaigns	3
Total Hours	38

¹ Students must have earned at least 20 hours in the major to take these courses.

² Students are admitted by application and instructor's permission to these courses.

To see the required order in which you take the courses in the general public relations major, click here.

Nonprofit Communication Management Specialization

Nonprofit communication management specialization (38 hours): prepares students for public relations careers in the nonprofit industry.

	Hours
MC 101 Intro To Mass Communic	3
JN 150 Mechanics of Media Writing	1
APR 231 Intro Public Relations	3
APR 260 Design Applications	1
APR 271 Strategic Thinking (PR)	3
APR 280 Investigation and Insights	3
APR 300 Basic Principles of Design	3
JN 311 News Writing and Reporting	3
APR 332 Public Relations Writing ¹	3
APR 428 Nonprofit Communiations ¹	3
Select one of the following:	3
HES 450 Volunteer & Civic Respon	
PSC 321 Special Topics In Psc	
PSC 365 Introduction to Environmental Policy	
PSC 464 The Politics of Health Policy	
MUS 326 Arts Venues Management (and APR 100)	

MUS 407	Marketing the Arts	
TH 470	Theatre Management	
Select one of the following:		3
APR 415	Online Magazine Writing ^{1, 2}	
APR 419	Public Relations Concepting and Implementation ¹	
APR 423	A+PR Management ¹	
APR 425	Crisis and Emergency Management ¹	
APR 426	International Public Relations ¹	
APR 427	Public Relations Leadership ^{1, 2}	
MC 401	Mass Comm Law & Regultn	3
APR 433	Public Relations Campaigns ¹	3
Total Hours		38

¹ Students must have earned at least 20 hours in the major to take these courses.

² Students are admitted by application and instructor's permission to these courses.

To see the required order in which you take the courses in the public relations specialization major, click here.

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.

		Hours
MC 101	Intro To Mass Communic	3
JN 150	Mechanics of Media Writing	1
APR 231	Intro Public Relations	3
APR 260	Design Applications	1
APR 271	Strategic Thinking (PR)	3
APR 280	Investigation and Insights	3
APR 300	Basic Principles of Design	3
JN 311	News Writing and Reporting	3
APR 332	Public Relations Writing ¹	3
APR 430	Tech and Digital Communication ¹	3
Select one of the following:		3
APR 325	Digital and Social Media	
CSM 440	Maximizing Use of Social Media Marketing	
CSM 447	Advanced Digital Tools	
MC 495	Special Topics	
Select one of the following:		3
APR 415	Online Magazine Writing ^{1,3}	
APR 419	Public Relations Concepting and Implementation ¹	
APR 423	A+PR Management ¹	
APR 425	Crisis and Emergency Management ¹	
APR 426	International Public Relations ¹	
APR 427	Public Relations Leadership ^{1,3}	
MC 401	Mass Comm Law & Regultn	3
APR 433	Public Relations Campaigns ¹	3
Total Hours		38

¹ Students must have earned at least 20 hours in the major to take these courses.

² Must be MC 495 Special Topics or MC 495 Special Topics.

³ Students are admitted by application and instructor's permission to these courses.

To see the required order in which you take the courses in the public relations specialization major, click here.

Sport and Entertainment Communication Management Specialization

Sport and entertainment communication management specialization (38 hours): prepares students for public relations careers in the sport and entertainment industries.

		Hours
MC 101	Intro To Mass Communic	3
JN 150	Mechanics of Media Writing	1
APR 231	Intro Public Relations	3
APR 260	Design Applications	1
APR 271	Strategic Thinking (PR)	3
APR 280	Investigation and Insights	3
APR 300	Basic Principles of Design	3
JN 311	News Writing and Reporting	3
APR 332	Public Relations Writing ¹	3
APR 429	Sport and Entertainment Marketing and Promotions ¹	3
Select one of the following:		3
HES 460	Sports Business Management	
MC 495	Special Topics	
MUS 315 & APR 100	Mus Managemt Activity and Professional Exploratory	
TH 470	Theatre Management	
Select one of the following:		3
APR 415	Online Magazine Writing ^{1, 2}	
APR 419	Public Relations Concepting and Implementation ¹	
APR 423	A+PR Management ¹	
APR 425	Crisis and Emergency Management ¹	
APR 426	International Public Relations ¹	
APR 427	Public Relations Leadership ^{1, 2}	
MC 401	Mass Comm Law & Regultn	3
APR 433	Public Relations Campaigns ¹	3
Total Hours		38

¹ Students must have earned at least 20 hours in the major to take these courses.

² Students are admitted by application and instructor's permission to these courses.

To see the required order in which you take the courses in the public relations specialization major, click here.

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, 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 public relations major or minor and to seek the advice of their assigned faculty adviser when choosing coursework. Students receive adviser assignments soon after they declare the public relations major via MyBama.ua.edu, or they may go to 412 Phifer to request one. Students pursuing a public relations 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.

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 non traditional 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

General Public Relations Major Suggested Plan of Study

Freshman			
Fall	Hours	Spring	Hours
APR 260		1 APR 231	3
JN 150		1 EN 102	3
MC 101		3 MATH 110 or higher or equivalent (MA)	3
EN 101		3 History (HI) or social/behavioral science (SB)	3
History (HI)		3 Elective	3
Elective		3	
	14		15
Sophomore			
Fall	Hours	Spring	Hours
APR 271		3 APR 300	3
APR 280		3 JN 311	3
(SB) course (EC 110 recommended)		3 Minor	3
First literature (L)		3 Second literature (L)	3
Foreign language (FL) or computer science (C)		3-4 Foreign language (FL) or computer science (C)	3-4
	15-16		15-16
Junior			
Fall	Hours	Spring	Hours
APR 332		3 APR 400-level	3
COM 123		3 MC 401	3
Fine arts (FA)		3 Minor	3
Minor		3 Minor	3
Natural science with lab (N)		4 Natural science with lab (N)	4
	16		16
Senior			
Fall	Hours	Spring	Hours
APR 400-level		3 APR 433	3
APR 400-level		3 Minor or elective	3
Minor		3 Minor or elective	3
Minor		3 Elective	3

Elective	3 Elective	2
	15	14

Total Hours: 120-122

¹ Choose a total of nine hours from APR 415 Online Magazine Writing, APR 419 Public Relations Concepting and Implementation, APR 423 A+PR Management, APR 425 Crisis and Emergency Management, APR 426 International Public Relations, or APR 427 Public Relations Leadership. Students are admitted by application and instructor's permission to APR 415 Online Magazine Writing and APR 427 Public Relations Leadership.

Public Relations, Minor Admission into the Minor

Students must declare the public relations minor before enrolling in APR 260 Design Applications.

Only students outside the College of Communication and Information Sciences (with the exception of communication studies majors) may select the public relations minor consisting of 23-26 credit hours. A grade of C- or higher is required in all courses required for the public relations minor. Due to the prerequisite-based curriculum, it takes at least three semesters to complete the hours in the public relations minor.

Minor Courses ¹		Hours
MC 101	Intro To Mass Communic	3
JN 150	Mechanics of Media Writing	1
APR 260	Design Applications	1
APR 231	Intro Public Relations	3
APR 271	Strategic Thinking (PR)	3
APR 280	Investigation and Insights	3
JN 311	News Writing and Reporting	3
APR 300	Basic Principles of Design	3
APR 332	Public Relations Writing	3
Total Hours		23

¹ Students pursuing a public relations minor have the option of taking APR 415 Online Magazine Writing, which requires permission of the instructor; approval is based on an application and interview process.

To see the required order in which you take the courses in the public relations minor, click [here](#).

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 300- or 400-level courses in the minor must be earned *in residence*.

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. Each student must meet with an adviser in the major department for academic planning each semester. Students are encouraged to get their public relations minor advising from the Department of Advertising and Public Relations (412 Phifer).

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 (pre-law emphasis), communication and culture or organizational and interpersonal communication. With a degree in communication studies, graduates pursue an array of professions, such as teaching, lobbying, human resources, sales, social work, the ministry, special events planning or speech writing, or advance to graduate study in such fields as communication, education, management or law.

- Major
 - Communication Studies (BA) (p. 459)
- Minor
 - Communication Studies (p. 461)
- Certificate
 - Leadership Communication Program (LCP) (p. 462)

The faculty output is controlled using the 'Faculty List' step in the toolbar.
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

Bennett, Beth S.

Instructors

Billings, Angela

Harrison, Cory Paul

Imbody, Robert

Parsons, Caroline

Assistant professors

Bagley, Meredith

Baker, Jane Stuart

Brooks, Adam Sharples

Butler, Sim

Chilcutt, Alexa S.

Griffin, Darrin J.

Pederson, Joshua

Associate professors

Black, Jason Edward

Boylorn, Robin M.

Meares, Mary M.

Mills, Carol Bishop

Tang, Lu

Professors

Bennett, Beth S.

Gaines, Robert N.

Nelson, Mark D.

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 share them with others. The department also supports a diversified program of competitive activities in individual speaking events and debate. Members of the Alabama Forensics Council participate in regional and national intercollegiate competitions in individual events and debate. Students in public speaking may compete for the Oscar Newton Outstanding Speaker Prize. Majors who meet the requirements for membership in Lambda Pi Eta are invited to join the honorary and to participate in its service activities.

University Scholars Program in Communication Studies

Communication Studies majors admitted into this program will be 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 major.
- Stronger mentoring relationship with the faculty.
- Greater opportunity to develop understanding of the field in preparation for doctoral work.

Admission into the University Scholars Program occurs in two phases. Phase I begins at the beginning of the third year, after the successful completion of 61 semester hours of study with a 3.3 GPA or better. Phase II begins after the completion of 91 semester hours, with a 3.3 GPA or better, when the student applies for admission to the Graduate School. 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.

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.

		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 121	Crit Decisn Makng Honors ¹	
COM 122	Critical Decision Making ¹	
COM 123	Public Speaking ¹	
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	
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 341	Rhetoric & Amer Politics	
COM 342	Rhetoric Social Protest	
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

- 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

A minimum of 36 hours of courses in Communication Studies is required for the major. A minimum of 21 hours in the major (COM) and of 12 hours outside the major, for a total of 33 hours, are required in upper-division courses (at the 300–400 level). No more than 45 hours in Communication Studies (COM) may be counted toward the total number of hours required for graduation (120).

The program of instruction, to be planned in consultation with a faculty adviser, includes at least one course from each of the five required areas below, as well as a minimum of 21 hours of elective courses in the major:

Theoretical Foundations		
Select at least one of the following: ¹		3-6
COM 100	Rhetoric And Society	
COM 101	Principles Human Communication	
Credit Hours Subtotal:		3-6
Oral Performance Skills		
Select at least one of the following Oral Performance courses:		3-6
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	
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:		3-6
Methods and Analysis W Course		
Select at least one of the following W courses, after completion of designated prerequisite:		3
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:		3
COM 341	Rhetoric & Amer Politics	
COM 342	Rhetoric Social Protest	
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		
COM 499	Capstone Seminar ^{2,3}	3
Credit Hours Subtotal:		3
Total Hours		15-21

- 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 & analysis course combination, either COM 100/COM 310 or COM 101/COM 300

COM Elective Courses (a minimum of 21 hours, including at least 15 hours at the 300-400 level)

Through the selection of elective courses, Communication Studies majors may choose to emphasize one of the following areas of study: rhetoric and public discourse, communication and culture, or organizational and interpersonal communication. 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 academic 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, cultural, or legal order. This area also focuses on communication theories and practices evident in public (political, social, cultural, legal) 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; 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, Gender and Race Studies, Criminal Justice, English, History, Philosophy, Journalism, Political Science, or Telecommunication and Film.

		Hours
COM 225	Small Group Communicatn	3
COM 301	Intro Rhetorical Theory	3
COM 341	Rhetoric & Amer Politics	3
COM 342	Rhetoric Social Protest	3
COM 348	Argumentation	3
COM 413	Communication & Diversity	3
COM 415	African American Rhetoric	3
COM 425	Gender & Political Communctn	3
COM 460	Group Leadership	3
COM 467	Seminar Public Address	3
COM 469	Communication & Gender	3

Communication and Culture

This emphasis area explores public communication in a wide variety of contexts and settings. The focus is on the influence of rhetoric and visual communication on individuals, communities, and the larger social world. Students interested in careers involving community or social change or human services (e.g., the ministry), or in postgraduate study in communication studies or media studies should consider this emphasis. Recommended minors for students who choose this emphasis area include Anthropology, Advertising and Public Relations, American Studies, Gender and Race Studies, Apparel and Textiles, Art History, English/Creative Writing, International Studies, Journalism, Modern Languages, Religious Studies, Telecommunication and Film, or Theatre.

		Hours
COM 270	Discourse of Sport: Theory and Practice	3
COM 340	Rhetoric & Popular Culture	3
COM 342	Rhetoric Social Protest	3
COM 366	Visual Culture & Communication	3
COM 413	Communication & Diversity	3
COM 415	African American Rhetoric	3
COM 425	Gender & Political Communctn	3
COM 463	Relational Communication	3
COM 465	Intercultural Communication	3
COM 467	Seminar Public Address	3
COM 469	Communication & Gender	3

Organizational and Interpersonal Communication

The focus of this area is on knowledge and skills vital to successful communication in organizational, group, family and other interpersonal settings. Emphases include cultural, social and cognitive influences on personal and professional interaction and such skills as conflict resolution, small group problem solving, interviewing and intercultural communication. It is appropriate for students interested in professional and administrative careers in business, educational or human services or media organizations. Recommended minors for students who choose this emphasis area include Advertising and Public Relations, General Business, Consumer Sciences, Economics, Human Development and Family Studies, International Studies, Journalism, Management, Psychology, Real Estate, Sociology, Social Welfare, World Business, and Telecommunication and Film.

		Hours
COM 220	Interpersonal Communication	3
COM 250	Nonverbal Communication	3
COM 320	Truth, Ethics, and Deception	3
COM 350	Organizatnl Communicatn	3
COM 352	Business Prof Communication	3
COM 413	Communication & Diversity	3
COM 450	Adv Organization Communication	3
COM 460	Group Leadership	3
COM 463	Relational Communication	3
COM 465	Intercultural Communication	3
COM 469	Communication & Gender	3

Majoring in Communication Studies prepares students for a variety of professions that value communication knowledge and skills. Because Communication Studies graduates possess the theoretical and practical knowledge of human communication, they can enter a new

career confident in their ability to communicate ideas with clarity and effectiveness, 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

Sample Curriculum for the Communication Studies Major

Freshman		
Fall	Hours Spring	Hours
COM 100	3 COM 101	3
& HU designated course (or elective)	& SB designated course (or elective)	
EN 101	3 EN 102	3
Fine Arts (FA)	3 Mathematics (MA)	3
Social/Behavioral Science (SB)	3 Social/Behavioral Science (SB)	3
Natural Science (N)	4 Natural Science (N)	4
	16	16

Sophomore		
Fall	Hours Spring	Hours
COM 122	3 COM 210, 323, 348, 122, 123, or 104	3
Literature Course (L)	3 COM 200 level elective	3
Foreign Language or Computer Science (FL or C)	4-3 Foreign Language or Computer Science (FL or C)	4-3
History sequence I (HI)	3 History sequence II (HI)	3
Social/Behavioral Sciences (SB)	3 Minor elective	3
	16-15	16-15

Junior		
Fall	Hours Spring	Hours
COM 300 or 310	3 COM (W) elective	3
COM 300–495 electives	6 COM 300–495 electives	6
Minor, 300-499	3 Minor, 300-499	3
Minor elective	3 Minor elective	3
	15	15

Senior		
Fall	Hours Spring	Hours
COM 300–495 electives	6 COM 499	3
Minor, 300–499 level	3 Minor, 300–499 level	3
Minor or general electives	3-4 COM or general electives	9
	12-13	15

Total Hours: 121-120

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.

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.

		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 Program (LCP), Certificate

Offered by the Department of Communication Studies, the Leadership Communication Program (LCP) is a certificate program designed to give students from around the University the opportunity to focus on the development of their communication skills in organizations with diverse groups of people, as well as the development of their leadership skills in action, through service learning and supervised study. The program consists of 15 hours of the following:

		Hours
Core Competencies		
COM 220 or Interpersonal Communication		3
COM 225 Small Group Communicatn		
COM 350 Organizatnl Communicatn		3
COM 460 Group Leadership		3
Capstone Course: Communication Training and Development ¹		3

Select one of the following:	3
COM 413 Communication & Diversity	
COM 469 Communication & Gender	
Total Hours	15

¹ The capstone course has a service-learning component in a not-for profit environment and provides certificate students with hands-on experience with organizational audits and communication training. Candidates for the certificate must complete an application form before the certificate can be awarded. Application forms must be completed and submitted no later than the semester prior to the semester of graduation.

Department of Journalism & Creative Media

The Department of Journalism & Creative Media offers undergraduate and graduate degree programs in Journalism and Telecommunication & Film as well as five minors open to students from all academic colleges across the university.

Journalism majors can focus on general journalism, visual and multimedia journalism, or sports news and information.

Telecommunication & Film majors can focus on media production, electronic reporting, production management, critical studies in film and television, or documentary.

For more information about the specific programs, click the links below or visit cis.ua.edu.

- Majors
 - Journalism (BA) (p. 464)
 - Telecommunication & Film (BA) (p. 468)
- Minors
 - Media Management (p. 467)
 - Telecommunication and Film (p. 470)
 - General Journalism (p. 463)
 - Photojournalism (p. 467)
 - Sports News and Information (p. 467)

Minors, Second Majors, and Electives

Popular minors, second majors, and upper-level special requirements 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 will be assigned professional advisors 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.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

JN101 Journalistic Principles and Practices

Hours 2

The role of journalism in a democratic society, emphasizing history, law and ethics. Students are introduced to career options and opportunities for journalism majors and minors. Students start a professional blog, which will be used as their work portfolio as they progress in the department. Required of all majors and minors in the department. This course is open only to JN majors and minors.

TCF100 Intro To Telecommunication

Hours 3

Explores film, television, news, and new media with a focus on story, and examines how each of these mediums function at both the level of individual and the level of global society.

[View All Courses](#)

Faculty

Professors

Armstrong, Cory (Chair)

Billings, Andrew C.

Bissell, Kimberly

Bragg, Rick

Bunker, Matthew

Butler, Jeremy G.

Evans, William

Lowrey, Wilson

Tran, Pamela K. Doyle

Zhou, Shuhua

Associate Professors

Daniels, George

Roberts, Christopher

Warner, Kristen J.

Williams, Glenda Cantrell

Assistant Professors

Bragg, Dianne

Bruce, Michael D.

Hoewe, Jennifer

Kim, Yonghwan

Panek, Elliot

Parrott, Scott

Payne, Matthew Thomas

Raimist, Rachel

Instructors

Anderson, Lars

Champion, Maya

Clark, Chandra

Corrao, Nicholas S.

Cummings, Meredith

Meissner, Dan

Sherrick, Brett

Lecturers

Brantley, Chip

Cammeron, Dwight B.

Grace, Andrew B.

Professor Emeriti

Brown, James A.

Bryant, Jennings

Mullins, Edward

Singleton, Loy

Sloan, W. David

Zillmann, Dolf

General Journalism, Minor

This minor is available to students who wish to study journalism in conjunction with other major areas of coursework. **NOTE:** APR and TCF majors may not minor in journalism.

		Hours
MC 101	Intro To Mass Communic	3
JN 101	Journalistic Principles and Practices	2
JN 150	Mechanics of Media Writing	1
JN 261	Visual Journalism	3
JN 311	News Writing and Reporting	3
JN 312 or JN 315	Editing and Digital Production Advanced News Writing & Reporting	3
MC 401	Mass Comm Law & Regultn	3
One JN elective		3
Total Hours		21

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 must pass each course with a C- or better for the credits to count toward hours earned in the minor. Students must have a 2.0 or higher to enroll in upper division classes in the College of Communication and Information Sciences. 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. College and department advisers also are available for additional assistance with minor requirements.

Journalism minors are required to create an online portfolio in JN 101 Journalistic Principles and Practices and to upload at least one journalistic work (story, photo, video, multimedia project, etc.) from each journalism skills class they take as part of the minor.

Journalism, BA

In a digital age, information is increasingly important to all professions, but it's truly at the heart of journalism. As a field of study, journalism stresses the gathering, analysis, and communication of information for all kinds of audiences. The student of journalism learns the many ways news and information are produced, from the traditional practices of professional news outlets to the emerging practices of media start-ups.

Journalism students gain expertise in writing, editing, design, photojournalism, videography, multimedia production, history, law, ethics, and media management. 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, find and organize information, and present information in engaging and clear ways. A journalism 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 journalism 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 journalism and about the role that news plays in society.

In classes, laboratories, and campus media, journalism 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. Journalism 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 department encourages dual majors when possible and advises that all majors complete internships, work in campus media, and join the department's print and digital publication teams.

University Scholars Program in Journalism

Journalism majors admitted into this program will be able to earn both the BACom 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.

Journalism majors must complete 120 hours for graduation, 36 of which are within the major in either the general track, the visual and multimedia track, or the sports news and information track, as outlined below. **NOTE:** Of the 120 hours required for this degree, 72 hours must be outside of JN/MC/APR/TCF under our national accreditation guidelines.

In addition to the general education requirements in the University Core curriculum, journalism majors are required to complete a 15 hour special requirement (300- and 400-level courses outside of JN/MC/APR/TCF), and either a minor or a second major. Courses taken for a minor or a second major can be used to fulfill the special requirement hours. Journalism majors may not complete a minor offered by the Department of Journalism & Creative Media or the Department of Advertising & Public Relations

Journalism majors are also required to create an online portfolio in JN 101 Journalistic Principles and Practices and to upload at least one journalistic work (story, photo, video, multimedia project, etc.) from each journalism skills class they take as part of the major.

University Core Curriculum

		Hours
Written Composition		
EN 101	English Composition	3
EN 102 or	English Composition (if eligible or by exam)	3
EN 103	Advanced English Composition	
Credit Hours Subtotal:		6
Computer Science (CS) or Foreign Language (FL) ¹		
Foreign Language (FL) ¹		8
Computer Science (CS) ²		6
Credit Hours Subtotal:		14
Humanities (HU) and Fine Arts (FA)		
Fine Arts (FA)		3
Literature (L)		3
Two additional L/HU/FA ³		6
Credit Hours Subtotal:		12
History (HI) and Social/Behavioral Sciences (SB)		
History (HI)		3
Social/Behavioral Sciences (SB)		6
Additional History(HI) or Social/Behavioral(SB) ³		3
Credit Hours Subtotal:		12
Natural Science (N) and Mathematics (MA)		
Natural Sciences (must include labs)		8
MATH 110 or Finite Mathematics		3
MATH 112 Precalculus Algebra		
Credit Hours Subtotal:		11
Writing (W) ⁴		
Writing (W)		6
Credit Hours Subtotal:		6
Total Hours		61

¹ Students must complete either CS or FL for core requirements
² Students must complete a 3-hour prereq course in addition to the 6 credit hours for a total of 9 hours
³ Students must complete either a HI or L sequence
⁴ Writing requirement fulfilled by required journalism courses

Tracks

General Journalism Track

		Hours
MC 101	Intro To Mass Communic	3

JN 101	Journalistic Principles and Practices	2
JN 150	Mechanics of Media Writing	1
JN 311	News Writing and Reporting	3
JN 261	Visual Journalism	3
JN 312	Editing and Digital Production	3
JN 315	Advanced News Writing & Reporting	3
Upper division JN elective		3
Senior-level Depth Writing Course ¹		3
Select one Converged Media Capstone course:		3
JN 382	Internship	
JN 430	Digital Media Workshop	
JN 417	Digital Community Journalism	
JN 492	International Media Production	
Or other course approved by the department		
MC 401	Mass Comm Law & Regultn	3
JN 499	Journ Issues and Ethics	3
Mass Communication elective (any JN/MC/APR/TCF)		3
Total Hours		36

¹ Select any JN course numbered JN 411 to JN 419, except JN 417 Digital Community Journalism.

Visual and Multimedia Journalism Track

		Hours
MC 101	Intro To Mass Communic	3
JN 101	Journalistic Principles and Practices	2
JN 150	Mechanics of Media Writing	1
JN 261	Visual Journalism	3
JN 311	News Writing and Reporting	3
JN 312	Editing and Digital Production	3
MC 401	Mass Comm Law & Regultn	3
JN 499	Journ Issues and Ethics	3
Upper Division JN elective		3
Mass Communication elective (any JN/MC/APR/TCF)		3
Select three of the following (one must be at the 400-level):		9
JN 320	Intermediate Journalism Design	
JN 325	Reporting Writing Across Media	
JN 361	Intermediate Photojournalism	
JN 382	Internship	
JN 417	Digital Community Journalism	
JN 426	Advanced Journalism Design	
JN 430	Digital Media Workshop	
JN 461	Advanced Photojournalism	
JN 491	Special Topics in Journalism	
JN 492	International Media Production	
Total Hours		36

Sports News and Information Track

		Hours
MC 101	Intro To Mass Communic	3
JN 101	Journalistic Principles and Practices	2
JN 150	Mechanics of Media Writing	1
JN 261	Visual Journalism	3
JN 311	News Writing and Reporting	3

JN 312	Editing and Digital Production	3
APR 231	Intro Public Relations (or any MC 400-level course)	3
JN 318 or JN 315	Sports Writing & Reporting Advanced News Writing & Reporting	3
JN 382 or JN 417	Internship (internship coursework must be sports related) Digital Community Journalism	3
Upper Division JN elective		3
JN 418	Advanced Sports Writing & Reporting	3
MC 401	Mass Comm Law & Regultn	3
JN 499 or JN 496	Journ Issues and Ethics Issues, Practices and Ethics in Sports Journalism	3
Total Hours		36

Professional Experience

Journalism 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 public relations 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 JN 311 News Writing and Reporting with a C- or better. Job and internship listings are posted on the departmental website and outside the departmental office. An internship before senior year makes students more marketable when they graduate.

Journalism Career Options

Graduates can work as writers, reporters, editors, photographers, designers, producers, and content managers at newspapers, magazines, digital publications, wire services, newsletters, and book publishers. Many also work in public relations, corporate communications, electronic news, political communication, or enter law school or graduate school.

- **Magazine Writing and Editing:** Our majors go on to write, design, and edit for general circulation print and online magazines, and for magazines that cover specialized subjects, including sports, travel, cooking, hunting and fishing, among many others. Magazines employ managing editors, department editors, content directors, production managers, art designers, photographers, videographers, designers, copy editors, writers, and other staff members for both their print and online editions.
- **Newspaper Reporting and Editing:** Print and online newspapers aggressively seek our graduates. Newspapers offer some of the best opportunities for journalism majors who are in school and want internships, or who have graduated and are pursuing their first jobs. Newspapers seek our journalism majors for jobs in reporting, copy editing, photography, online production, and design positions. Newspapers also seek staff for specialty products, including lifestyle magazines and specialized websites.
- **Digital Journalism:** Most graduates who work in the news industry also produce for online media: It's the traditional mass media – newspaper, magazine, radio and television – that have taken the lead in online publishing. However, graduates also work for commercial and non-profit online organizations, and increasingly, graduates are starting their own online media ventures. Good writers,

editors, designers, photographers, and multimedia producers with a commitment to accuracy and fairness are in demand by any organization with an online presence.

- **Graphics and Design:** The visual presentation of news and information is critical to good journalism. This is especially true in a digital information age in which data are wildly abundant, and there is a strong need to make sense of it. News outlets need people who understand the rules and conventions of graphics and design, and who can use them to produce good journalism. Graphic artists and designers gather and synthesize information concisely and present it in ways audiences can understand.
- **Photo and Multimedia Journalism:** Photojournalism is a fast-paced, on-the-spot approach to gathering news through still and moving images. News organizations, magazines, sports organizations, corporations, non-profit outlets, and other entities hire photojournalists to gather news and information through digital photos and video, and to produce multimedia presentations that blend visual, audio, and written information. Increasingly, photojournalists and multimedia journalists are starting their own business ventures, producing work for multiple media organizations.
- **Newsletter Editing or Publishing:** A fast-growing area of journalism is the specialty newsletter, in print or digital form. These publications are found in business, government, politics, sports, leisure, recreation, and hobbies, covering almost every area of interest. Producing a newsletter takes a combination of reporting, editing, design, photography, and marketing skills, making a journalism degree highly valued in this field.
- **Corporate Communications:** Journalism majors find jobs in corporate communications as writers, editors, photographers, multimedia producers, designers, online producers, and advisers on message strategy and communication techniques. Corporate communication offices seek majors skilled in writing, photography, videography, and design to produce newsletters, magazines, websites, press releases, letters, brochures, graphics, and annual reports.
- **Non-Profit Organizations:** An increasing number of non-profit organizations are hiring journalists. Funded by private donations or foundation grants, these organizations offer a myriad of opportunities for reporters, editors, photographers, videographers, and multimedia producers who want to make a real difference through journalism without having to work for profit-driven organizations.
- **Graduate Studies, Law School and Business:** Journalism majors are well-prepared for professional careers outside of journalism. Specialized training in writing, gathering information, organizing information, critical thinking, and public affairs, coupled with a solid grounding in the social sciences and humanities, opens many doors. The curriculum provides solid groundwork for graduate studies in a number of fields, including law. Students who do well in the journalism curriculum typically perform very well on graduate school and law school examinations because of the emphasis on writing and critical thinking in our courses.

Types of Jobs Accepted

Recent graduates have accepted positions as newspaper reporters, covering sports, news, features, and business. 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, 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 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, the former editor of O Magazine, and presidents and CEOs of online news outlets and public relations firms.

Learn more about opportunities in this field at the Career Center

Sample Curriculum for the Major in Journalism (General Track)

Freshman			
Fall	Hours	Spring	Hours
JN 101	2	JN 311	3
JN 150	1	Humanities (HU) or Literature (L) or Fine Arts (FA) course (COM 123 recommended)	3
MC 101	3	EN 102	3
EN 101	3	Social and Behavioral Sciences (SB)	3
History (HI)	3	Natural Science (NS)	4
Math (M)	3		
	15		16
Sophomore			
Fall	Hours	Spring	Hours
JN 261	3	JN 315	3
Fine Arts course	3	Literature (L) or (FA) or (HU)	3
History (HI) or Social Behavioral (SB)	3	Social and Behavioral (SB)	3
Foreign Language (FL) or Computer Science (CS)	3-4	Foreign Language (FL) or Computer Science (CS)	3-4
Literature (L)	3	Minor course	3
	15-16		15-16
Junior			
Fall	Hours	Spring	Hours
JN 312	3	JN 382 (or other upper division JN elective)	3
Literature (L) or (FA) or (HU)	3	JN/MC/APR/TCF elective	3
Natural Science (NS)	4	Minor course	3
Minor course	3	Special requirement	3
Special requirement	3	Minor or special or requirement	3
	16		15
Senior			
Fall	Hours	Spring	Hours
MC 401	3	JN 499	3
Depth writing course: JN 411-JN 419	3	Converged media capstone course	3
Minor	3	Minor	3
Special requirement	3	Special requirement (as needed)	3

Elective	3 Elective (as needed)	2
	15	14

Total Hours: 120-122

Media Management, Minor

Students may select a minor concentration in media management. The minor in telecommunication and film media management requires the successful completion of the following 21 semester hours:

		Hours
Minor Courses		
MC 101	Intro To Mass Communic	3
TCF 100	Intro To Telecommunication	3
TCF 145	Media Production	3
TCF 305 or TCF 310	Telecom Audience Analys Telecommunication Programming	3
TCF 390	Electronic Media Sales	3
TCF 445	Telecommuncatn Media Mgt	3
TCF 448	Telecommun Policy & Law	3
Total Hours		21

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.

Photojournalism, Minor

This minor is available to students who wish to study journalism in conjunction with other major areas of coursework. **NOTE:** APR and TCF majors may not minor in journalism.

		Hours
MC 101	Intro To Mass Communic	3
JN 101	Journalistic Principles and Practices	2
JN 150	Mechanics of Media Writing	1
JN 261	Visual Journalism	3
JN 311	News Writing and Reporting	3
JN 361	Intermediate Photojournalism	3

JN 461 or JN 382	Advanced Photojournalism (or JN 426 Adv Journalism Design) Internship	3
MC 401	Mass Comm Law & Regulatn	3
Total Hours		21

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 must pass each course with a C- or better for the credits to count toward hours earned in the minor. Students must have a 2.0 or higher to enroll in upper division classes in the College of Communication and Information Sciences. 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. College and department advisers also are available for additional assistance with minor requirements.

Journalism minors are required to create an online portfolio in JN 101 Journalistic Principles and Practices and to upload at least one journalistic work (story, photo, video, multimedia project, etc.) from each journalism skills class they take as part of the minor.

Sports News and Information, Minor

This minor is available to students who wish to study journalism in conjunction with other major areas of coursework. **NOTE:** APR and TCF majors may not minor in journalism.

		Hours
MC 101	Intro To Mass Communic	3
JN 101	Journalistic Principles and Practices	2
JN 150	Mechanics of Media Writing	1
JN 261	Visual Journalism	3
JN 311	News Writing and Reporting	3
JN 312	Editing and Digital Production	3
JN 318	Sports Writing & Reporting	3
JN 418	Advanced Sports Writing & Reporting	3
Total Hours		21

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 must pass each course with a C- or better for the credits to count toward hours earned in the minor. Students must have a 2.0 or higher to enroll in upper division classes in the College of Communication and Information Sciences. 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. College and department advisers also are available for additional assistance with minor requirements.

Journalism minors are required to create an online portfolio in JN 101 Journalistic Principles and Practices and to upload at least one journalistic work (story, photo, video, multimedia project, etc.) from each journalism skills class they take as part of the minor.

Telecommunication & Film, BA

No matter the selected sequence, TCF majors use all types of electronic mass media to tell stories. Whether the platform is creative fiction or hard-hitting news, documentaries, or sports, students in TCF 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 video gaming. TCF majors develop technical skills, managerial competence, reasoning ability, and ethical judgment so they can become leaders in all types of electronic media. Telecommunication and film courses reflect a liberal arts and sciences orientation, with a professional focus.

The major in Telecommunication & Film requires a total of 120 hours of coursework for graduation, of which 33 will be taken in the major. Of the 120 hours required for this degree, 72 hours must be taken in courses outside of JN/APR/MC/TCF.

All Telecommunication & Film students must complete a minor with at least a 2.0 minor grade point average or complete a double major. With the assistance of an adviser in the minor department, students should declare a minor before or during the third year of full-time enrollment. TCF majors may not complete a minor offered by the Department of Journalism & Creative Media or the Department of Advertising & Public Relations

In addition to the general education requirements, the requirements for the major sequence, and the requirements for a minor, all Telecommunication & Film students must complete 12 hours of classes at the 300-level or higher outside the major or minor (called the special requirement).

Because the curriculum is subject to accreditation requirements, students should see the department adviser regularly, beginning with the first semester on campus.

Core Curriculum and General Education Requirements

Written Composition

EN 101	English Composition	3
EN 102 or	English Composition (if eligible or by exam)	3
EN 103	Advanced English Composition	
Total Hours		6

Foreign Language or Computer Science

Foreign Language (FL)	¹	8
Computer Science (CS)	^{1,2}	6

Humanities, Literature, and Fine Arts

COM 123 or	Public Speaking	3
COM 124	Honors Public Speaking	
Fine Arts (FA)		3

Literature Sequence (L)	6
Total Hours	12

Natural Science and Mathematics

Natural Science (N)	8
Mathematics (MA)	3
Total Hours	11

History and Social/Behavioral Sciences

MC 101	Intro To Mass Communic	3
History (HI)		3
Social/Behavioral Sciences (SB)		3
HI or SB		3
Total Hours		12

Writing

Writing (W)	³	6
Total Hours		6

- ¹ Students must select either a FL or CS sequence
- ² Courses that meet the CS requirement have a 3 hour prerequisite
- ³ Courses in the major, minor, and special requirement with a W designation may be used to fulfill the W requirement

Additional Requirements for the Major Sequences

Media Production Sequence

		Hours
TCF 100	Intro To Telecommunication	3
TCF 201	Intro to Video Production	3
TCF 361	Intro to Post Production	3
TCF 387	Tcf Internship	1-3
Two additional TCF 300-level production courses		6
Two additional TCF 400-level production courses		6
One TCF 300- or 400-level critical studies course		3
One MC 400-level course		3
Total Hours		28-30

Electronic Reporting Sequence

		Hours
TCF 100	Intro To Telecommunication	3
TCF 286	Intro to Reporting (Formerly TCF 331, Intro to Reporting)	3
TCF 288	News Shadowing Intern	1
TCF 332	Intermediate Electronic Reporting	3
TCF 333	Advanced Electronic Reporting	3
TCF 334	Electronic News Capstone/Portfolio	3
TCF 335	New Media	3
TCF 387	Tcf Internship	1-3
Select one of the following:		3
TCF 433	Broadcast News Analysis	
MC 409	History Mass Communctn	
MC 421	Political Communication	
MC 425	Media Management	

MC 401	Mass Comm Law & Regultn	3
One additional TCF 300-level or above course		3
Total Hours		29-31

Production Management Sequence

		Hours
TCF 100	Intro To Telecommunication	3
TCF 201 or TCF 145	Intro to Video Production Media Production	3
TCF 215	Writing Presentn Telecom	3
TCF 357	Production Management	3
TCF 367	Advanced Prod. Management	3
TCF 437	Specializations in Production Management	3
TCF 438	Producing	3
One MC 400-level course		3
One additional TCF 300-level or above course		3
One additional MC or TCF 400-level course		3

Critical Studies in Film and Television Sequence

		Hours
TCF 100	Intro To Telecommunication	3
TCF 112	Motion Pict Hy Criticism	3
TCF 145	Media Production	3
TCF 215	Writing Presentn Telecom	3
TCF 311	Critical Stdy Television	3
Select two of the following:		6
TCF 340	International Cinema	
TCF 411	Seminar in Critical Studies	
TCF 433	Broadcast News Analysis	
TCF 440	Sem In American Cinema	
TCF 441	Documentary Production	
MC 407	Mass Communic Research	3
One additional TCF 300-level course		3
One additional MC or TCF 400-level course		3
Total Hours		30

Documentary Sequence

		Hours
TCF 100	Intro To Telecommunication	3
TCF 201	Intro to Video Production	3
TCF 215	Writing Presentn Telecom	3
TCF 241	The Documentary Form	3
TCF 361	Intro to Post Production	3
TCF 387 or TCF 380	Tcf Internship Independent Study	1-3
TCF 411	Seminar in Critical Studies	3
One additional TCF 400-level course		3
One MC 400-level course		3
One additional MC or TCF 400-level course		3
Total Hours		28-30

TCF majors work in television, film, radio, and internet, as newscasters, sportscasters, directors, producers, videographers, editors, radio announcers, 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, play-by-play announcers, audience analysts, researchers, general managers, production assistants, etc.

Types of Jobs Accepted

Entry level jobs include news reporter, sports reporter, videographer, editor, production assistant, media sales representative, or office worker in programming or promotion.

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

Sample Curriculum for the TCF Major

Freshman

Fall	Hours Spring	Hours
EN 101	3 COM 123	3
MC 101	3 EN 102	3
Fine arts (FA)	3 TCF 100	3
Natural science (NS)	4 Elective ¹	3
Social/behavioral sciences (SB)	3 Natural science (NS)	4
16		16

Sophomore

Fall	Hours Spring	Hours
English literature	3 English literature	3
History (HI)	3 Major	3
Major	3 Minor	3
Major	3 Social/behavioral sciences (SB) or History (HI)	3
Math	3	
15		12

Junior

Fall	Hours Spring	Hours
Foreign language or computer science (FL or C)	3-4 Foreign language or computer science (FL or C)	3-4
Major	3 Major	3
Minor ³	3 Minor	3
Social/behavioral sciences (SB)	3 Minor	3
Special requirement	3 Special Requirement	3
15-16		15-16

Senior

Fall	Hours Spring	Hours
Major	3 Elective ¹	3-5
Major	3 General A&S elective	3
Minor	3 Major	3
Minor	3 Minor	3

Special requirement	3 Special Requirement	3
	15	15-17

Total Hours: 119-123

¹ Elective hours vary and may or may not be necessary to reach the 120 hours required for graduation.

Telecommunication and Film, Minor

A minor in telecommunication and film is available to all students except those majoring in journalism, advertising or public relations. At least 21 hours, and no more than 27 hours, are required in College of Communication and Information Sciences minors. Requirements for the minor are MC 101 Intro To Mass Communic, and 15 additional hours of TCF courses, of which six hours must be in 300-level courses or above.

		Hours
Minor Courses		
MC 101	Intro To Mass Communic	3
TCF 100	Intro To Telecommunication	3
TCF electives 300- or 400-level		6
TCF electives		9
Total Hours		21

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

The history of the School of Library and Information Studies began in 1929 when the University instituted an academic program in school librarianship within the College of Education. An Alabama Senate joint resolution in 1969 authorized The Board of Trustees of The University of Alabama to establish the Graduate School of Library Service. Since that time, the school has pursued a mission to provide students with the skills and knowledge required to meet the information needs of a diverse population. It has also grown substantially. In 1989, the school was renamed the School of Library and Information Studies (SLIS), reflecting increasing academic and professional emphasis on emerging information technologies. In 1997, the School of Library and Information

Studies merged with the College of Communication to form the College of Communication and Information Sciences.

The School has offered the Master of Library and Information Studies (MLIS) since 1972, the Master of Fine Arts (MFA) degree in Book Arts since 1985 and the PhD since 1988. The MLIS program has been continuously accredited by the American Library Association (ALA) since 1972. Students who complete the MLIS go on to work as information professionals in a wide variety of careers, including academic, school media, public and special libraries, archives, digital libraries, special collections and more.

- Major
 - Master of Library and Information Studies, MLIS (p. 471)

The faculty output is controlled using the 'Faculty List' step in the toolbar.
LS500 Organization Of Information
Hours 3

Required course introducing the principles of organizing bibliographies, library catalogs, and collections. Examines the content of bibliographic records in printed and machine-readable form, choice and form of access points, authority control, verbal and classified systems of subject access, and the impact of new technologies. An introduction to OCLC searching is included. The course objective is to enable the student to understand and use catalogs and bibliographies. Students interested in becoming catalogers should follow LS 500 with LS 506 Cataloging and Classification.

LS501 Intro Library Info Study
Hours 3

Required course designed to provide the student with a broad background in library and information studies. Must be taken during the first 12 hours of a student's program. Through a variety of instructional methods, this course examines three interrelated themes: the nature of the library and information profession; issues of intellectual freedom and access to information; and the impact of technology upon society and the profession.

[View All Courses](#)

Faculty

Interim Director
Prentice, Ann E.

Professors
Miller, Steven Kent
Osburn, Charles B.

Pitschmann, Louis A.

Associate Professor
Albertson, Dan
Bonnici, Laurie

Embree, Anna
MacCall, Steven
Naidoo, Jamie C.

Weddle, Jeffrey

Assistant Professor
Burgess, John
Riter, Robert

Sweeney, Miriam

Sutherland, Tonja

Adjunct Professor & Internship Coordinator

Bullock, Sybil

Instructor

Yates, Steven

Master of Library and Information Studies, MLIS

Candidates for the MLIS degree must earn a minimum of 36 semester hours of credit, completing all work with a grade average of "B" or better.

A thesis is not required. All MLIS students must complete, as part of the minimum 36 hours, the following 18 hours of required courses:

LS 500	Organization Of Information	3
LS 501	Intro Library Info Study	3
LS 502	Research Methods	3
LS 507	User Centered Information Services	3
LS 560	Information Technologies	3
LS 508	Management Theory and Practice	3
LS 530	Public Libraries	3
LS 531	Academic Libraries	3
LS 532	School Media Centers	3
LS 533	Spec Libr & Info Centrs	3
Total Hours		30

Library and Information Studies (LS) course listings can be found in the online Graduate Catalog.

COLLEGE OF EDUCATION

Department of Curriculum and Instruction (p. 479)

Department of Educational Leadership, Policy and Technology Studies (p. 486)

Department of Educational Studies in Psychology, Research Methodology and Counseling (p. 487)

Department of Kinesiology (p. 488)

Department of Music Education (p. 491)

Department of Special Education and Multiple Abilities (p. 493)

Degrees and Programs Offered

The College of Education offers undergraduate programs leading to the bachelor of science degree in education. The College 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) with dual certification in early childhood (P-3)
- Music education (P-12), with concentrations in instrumental or choral music
- Physical education (P-12)
- Secondary education (6-12), with majors in English language arts (comprehensive), mathematics (comprehensive), science (comprehensive), social science (comprehensive), and the following foreign languages (6-12 or P-12): French, German, Latin or Spanish
- Special education, with K-6 and 6-12 concentrations in collaborative education; early childhood special education (P-3) with dual certification in 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 concentration leading to the bachelor's degree is also offered in exercise and sport science, but this concentration does not lead to teacher certification.

A student enrolled in the Graduate School may be admitted to one of the College of Education's alternative (nontraditional, fifth-year) certification programs in order to complete a master's degree and obtain initial licensure (Class A) in a broad range of teaching fields.

General Degree Requirements

The College of Education offers undergraduate programs leading to the bachelor of science in education or the bachelor of science degree. 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 the various 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 basic skills assessments, subject assessments, Principles of Learning and Teaching (PLT), and additional performance assessments adopted by the Alabama Department of Education.

The basic skills assessments consist of the applied mathematics, reading for information, and writing assessments. Passing scores in all three areas are required of candidates prior to admission to a teacher education program. Information about the Basic Skills is available at <https://actapps.act.org/wkala/wkala>.

Additional assessments required in the AECAP consist of selected tests from the Praxis Series. Each candidate must obtain passing scores on the appropriate subject assessment(s), as well as Principles of Learning & Teaching (PLT), prior to internship. Information regarding test dates, test codes and testing sites may be obtained from the Praxis website:

http://www.ets.org/praxis/al?WT.ac=praxishome_states_121126. 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.

Clinical Placements

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.

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

One of the following Literature courses: 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	
One of the following Public Speaking courses: ²		3
COM 123	Public Speaking	
COM 210	Oral Interpretation Literature	
One of the following Fine Arts courses:		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	
MUS 121	Intro To Listening	
MUS 250	Music In World Cultures	
TCF 112	Motion Picture Criticism	
TH 114	Intro To The Theatre	
UH 210	Honors Fine Arts	
Additional Course from Area II, if needed		3
Total Hours		12

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 101 General Chemistry	
CH 104 Introductory Chemistry	
GEO 101 The Dynamic Earth	
GEO 102 The Earth Through Time	
GY 101 or Atmospheric Proc & Patterns	
GY 102 Earth Surface Processes	
PH 101 General Physics I	
PH 115 Descriptive Physics for Non-Science Majors	

Students in elementary education, the Multiple Abilities Program and special education must complete four additional semester hours from N

courses. It is suggested that students in elementary education choose AEM 120 Aerospace Science For Educators or another adviser-approved, interdisciplinary science course.

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 (K-6) 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

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	
Additional courses:	9
PY 101 Intro To Psychology	
HD 101 Life Span Human Development	
ANT 100 Intro To Anthropology	
ANT 102 Intro 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 Analysis Social Problems	
Total Hours	12

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 through the Self-Service component of 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).

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.

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.

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 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 courses for persons who hold expired certificates and wish to reinstate them.

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. 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.

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."

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. Alabama Educator Certification Assessment Program (AECAP). The Basic Skills Assessments of the AECAP must be taken prior to the pre-professional course. Students must have a passing score for all three sections of the test (reading, writing and mathematics). Information about the Basic Skills Assessments is available at actapps.act.org/wkala/wkala or from Student Services in 104 Carmichael Hall.
2. A minimum grade point average of 2.75 must be met and maintained for admission. Transfer students must have the required GPA on all coursework taken at this institution as well as overall coursework (UA and transfer work). 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.

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.

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.

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 obtained passing scores on the appropriate Praxis subject assessment(s) for the teaching field.
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

Majors who enroll for internships in collaborative teacher education, early childhood special education, elementary education, physical education, English as a second language, foreign language education (P-12) and music education should expect split assignments. Secondary education students who have comprehensive majors may receive a single internship assignment or a split assignment. The multiple abilities program (MAP) requires the student to complete two full semesters of internships.

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

Registrar and Assistant Certification Officer

Lynn Heard

Professors

Adams, Natalie G.

Arredondo-Rucinski, Daisy

Bishop, Phillip A.

Burnham, Joy

Curtner-Smith, Matthew D.

Dagley, Dave

Donovan, Carol A.

Erevelles, Nirmala

Hamner, Karl

Harrison, Patti L.

Hlebowitsh, Peter

Houser, Rick

Hutcheson, Philo A.

Iran-Nejad, Asghar

Johnson, Bob

Katsinas, Stephen G.

Major, Claire Howell

Mantero, Miguel

McKnight, Douglas

Mutua, N. Kagendo

Petrovic, John E.

Richardson, Mark T.

Schumacker, Randall

Stallworth, B. Joyce

Sunal, Cynthia C.

Sunal, Dennis

Tarter, John

Tomlinson, Stephen C.

Thoma, Stephen I.

Urban, Wayne J.

Vincent, John

Wilcoxon, S. Allen

Wilson, Elizabeth K.

Wright, Vivian H.

Associate Professors

Atkinson, Becky

Benson, Angela

Bray, Nathaniel James

Coleman, Julianne

Hancock, Carl

Hardin, Brent L.
 Hardy, David
 Holley, Karri
 Kuntz, Aaron
 Latimer, Marvin
 McGuire, Kenneth M.
 Mills, Jamie D.
 Mitchell, Roxanne
 Newman, Jane Lumpkin
 Nichols, Sandra Cooley
 Nichols, Sharon Elizabeth
 Rice, Margaret L.
 Robinson, Cecil D.
 Sekeres, Diane C.
 Shwery, Craig
 Siders, James
 Sinelnikov, Oleg
 Spector, Karen
 Swoszowski, Nicole Cain
 Wingo, Jonathan Eric
 Zelkowski, Jeremy
Assistant Professors
 Acosta, Melanie
 Besnoy, Kevin
 Boyle, Justin
 Callahan, Cory
 Choi, Youn-Jeng
 Colley, Lauren
 Denham, Andre R.
 Esco, Michael
 Fedewa, Michael
 Garvey, Jason
 Guyotte, Kelly
 Harbour, Kristin
 Hubbard, Janie D.
 Johnson, Latrise
 Kim, Sunyoung
 Livers, Stefanie
 Lu, Junfei
 McDaniel, Sara
 McKibben, Bradley
 McLeod, Ragan
 Mugoya, George C.T.

Richards, Kevin
 Soylu, Firat
 Sun, Jingping
 Tomek, Sara Elizabeth
 Williams, Dylan
 Wind, Stefanie
 Yazan, Bedrettin
Clinical Professors
 Giesen, Judy
 Wetzel, Kathy Shaver
Clinical Associate Professors
 Freeman, Lee
 Godfrey, Ann
 Rice, Richard
 Westbrook, Philip
Clinical Assistant Professors
 Breaux, Arleene P.
 Britnell, Heather
 Fowler, Melisa
 Hardin, James
 Kelly, Rebecca
 Lawson, Michael
 Matherson, Lisa
 Mendiola, Brenda
 Myrick, John
 Perry, Ashley
 Smith, Annie
 Stran, Margaret
 Surman, Stacy Hughey
 Swain, Holly
 Williams, Elisha
 Woodruff, Elizabeth A.
Clinical Instructor
 Burgess, Lisa
 Evans, Dana
 Geary, Colleen
 Maughn, Sharron
 Robinson, Olivia
Emeriti
 Agnew, Mary K.
 Anderson, Carrel M.
 Baker, Truman D.
 Balentine, Margaret B.
 Barker, Barbara M.

Barnett, Aurelia
 Bauch, Patricia A.
 Beirne-Smith, Mary
 Bishop, Dorothea Grace
 Carmichael, Karla
 Cobb, Hazel B.
 Cohen, Sheryl
 Comas, Robert Edward
 Connor, Helen R.
 Crump, William D.
 Daane, C.J.
 Dolly, John P.
 Driver, Jill
 Eller, Ben F.
 Ellis, Edwin S.
 Estes, Charles R.
 Evellsizer, Ronald L.
 Ferguson, Patrick
 Gamble, Lanny R.
 Goldston, M. Jenice
 Gregg, Sr. Madeleine
 Griffin, Robert E.
 Head, David W.
 Holder-Brown, Loreta
 King, Margaret
 Leigh, Robert Kenneth T.
 Leles, Sam
 Linkous, Ludrick W.
 McCollister, Faye P.
 McLean, James E.
 McNutt, James K.
 Mosely, James Nunnellee
 Newton, Rose Mary
 Palmer, W. Ross
 Peseau, Bruce A.
 Prickett, Carol
 Roth, Rodney W.
 Rountree, Barbara Starnes
 Rovegno, Inez
 Satcher, Jamie
 Schlicter, Carol
 Sellers, Curtis P.

Smith, Joe F.
 Stanford, Ronnie
 Stegall, Hugh H.
 Toppins, Anne D.
 Vold, David J.
 Wade, Archie Lee
 Westerfield, Raymond Carl

Department of Curriculum and Instruction

Professor Cynthia C. Sunal, Department Head
 Office: 201C Graves Hall
 cvsunal@bamaed.ua.edu
 (205) 348-8264

The department of curriculum and instruction is comprised of programs in elementary education and secondary curriculum, teaching and learning.

Reading education is required in the professional education component of all undergraduate teacher education/certification programs.

- Majors
 - Elementary Education (BSE) (p. 480)
 - Secondary Curriculum, Teaching and Learning (BSE) (p. 481)

The faculty output is controlled using the 'Faculty List' step in the toolbar.
CIE480 Meth Teach Foreign Langs
 W

Hours 3

Theories, methods, techniques, and essential media for teaching foreign languages effectively. Writing proficiency within this discipline is required for a passing grade in this course. Admission to Teacher Education Program is required.

Prerequisite(s) with concurrency: 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

[View All Courses](#)

Faculty

Department Head and Professor

Sunal, Cynthia

Professors

Mantero, Miguel

Stallworth, B. Joyce

Sunal, Dennis

Wilson, Elizabeth K.

Associate professors

Coleman, Julianne

Nichols, Sharon Elizabeth

Sekeres, Diane C.

Shwery, Craig

Spector, Karen

Zelkowski, Jeremy

Assistant professors

Acosta, Melanie

Boyle, Justin

Callahan, Cory

Colley, Lauren

Harbour, Kristin

Hubbard, Janie D.

Johnson, Latrise

Livers, Stefanie

Yazan, Bedrettin

Clinical associate professor

Freeman, Lee

Clinical assistant professors

Fowler, Melisa

Matherson, Lisa

Swain, Holly

Clinical instructor

Evans, Dana

Elementary Education, BSE

The student who completes this program should have a desire to teach in an elementary school K-6 regular education classroom. Students do not have to have any prior experience in the classroom, although a lively interest in the institution of education and the state and national policies that shape school experiences is a plus.

Clinical Associate Professor Lee Freeman, Program Coordinator

Office: 205-D Graves Hall

This department requires the completion of at least 120 semester hours for graduation as specified below. Successful completion of the program leads to the bachelor of science in education degree and eligibility to be recommended 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 advisers and in 104 Carmichael Hall. Further information on recommended course sequences should also be obtained from 201 Graves Hall.

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 or a proficiency examination
- 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 additional mathematics courses from the general studies list for a total of 12 semester hours of MA-designated courses

Recommended Courses

MATH 208	Number And Operations	3
MATH 209	Geometry & Measurement	3
MATH 210	Data Analysis Probabil Stats	3

Unacceptable Courses

MATH 100	Intermediate Algebra	3
BER 345	Educational Statistics	3

- 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.

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.

All required English coursework must have been completed before Professional Semester 1.

Professional Semester 1

	Hours
Professional Studies	

BEF 362	School, Culture, and Society ¹	3
BEP 305	Educational Psychology ¹	3
CEE 320	Survey Elementary Educatn ²	3
SPE 300	Survey Spe Accomd Stratg ¹	3
Teaching Field		
CEE 491	Early Childhood Curr. & Inst. ²	3
CRD 369	Fundmntl Readng Instruction ²	3
MUE 385	Tchg Music Elementary Schools ²	3
Total Hours		21

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 Tchg Music Elementary Schools; however, students with previous musical training may elect to demonstrate equivalent skills through testing. Arrangements for testing can be made by contacting the Music Education office at (205) 348-6054.

NOTE: Students formally apply to the Teacher Education Program during CEE 320 Survey Elementary Educatn 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

		Hours
Professional Studies		
CEE 401	Managing Effective Classrooms	1
Teaching Field		
CEE 365	Literature For Children	3
CEE 370	Teaching Reading Elem School	3
CEE 380	Teaching Elem Math	3
CEE 495	Practicum	3
KIN 364	P E Elem Sch Elem Ed Maj	3
Total Hours		16

All required science and social science/humanities coursework must be completed prior to Professional Semester 3.

Professional Semester 3

		Hours
Professional Studies		
BER 450	Assess Of Classrm Learnng	3
CEE 401	Managing Effective Classrooms	1
Teaching Field		
CEE 304	Teach Elem School Scienc	3
CEE 366	Teaching Social Sciences	3
CEE 478	Teach Lang Arts In Elem School	3
CEE 496	Senior Practicum	3
Total Hours		16

Professional Semester 4

		Hours
Professional Studies		
CEE 401	Managing Effective Classrooms	1
Internship		
CEE 497	Internship Elem School ¹	11
Total Hours		12

¹ Elementary education students are required to complete two internship placements; therefore, students should enroll in equal hours of two sections of CEE 497 Internship Elem School. An adviser should be consulted for appropriate internship hours.

Middle School (4-8) Endorsement on Elementary (K-6) Certificate

By completing additional requirements, a student fulfilling the requirements for elementary school (K-6) certification may also obtain middle school certification. The additional requirements of the middle school endorsement program may be secured in 104 Carmichael Hall.

Our graduates are certified to teach kindergarten through sixth grade in Alabama.

Types of Jobs Accepted

Graduates accept jobs in public and private elementary and middle schools in Alabama and are automatically qualified for these 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 Curriculum, Teaching and Learning, BSE

Secondary education students are typically interested in pursuing careers as middle and/or high school teachers.

Secondary Curriculum, Teaching and Learning (6-12) (CSE)

Contact: Dr. Cynthia Szymanski Sunal

Office: 201 Graves Hall

The programs in high school/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 will be given two opportunities to satisfactorily complete each of the following requirements: writing examination, admission interview and Basic Skills test (AECAP). An individual may request from the program chairperson or his or her adviser information concerning summative data on the most recent previous admissions.

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 advisers and in 104 Carmichael Hall. Further information on recommended course sequences should also be obtained from 204 Graves Hall.

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.

Professional Studies (31-34 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.

	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
CSE 497 Sec School Teaching	9-12
SPE 300 Survey Spe Accomd Stratg	3
Discipline-specific CSE methods course ¹	3
CSE 479 Teach Second Sch English	
CSE 480 Teach Sec Sch Forgn Lang	
CSE 483 Teach Second School Math	
CSE 486 Teach Second Sch Science	
CSE 487 Teach Second Soc Science	
Total Hours	31-34

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.

Requirements for the Secondary Education (6-12) Teaching Fields

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses.

Teaching Field – English Language Arts (Comprehensive, 6-12)

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses (see general studies requirements listed earlier in this section for more information):

	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	3
Two 400-level EN electives	6
JN 436 or Teaching Of Journalism	3
JN 200 Foundations of Journalism and Social Media	
TH 113 or Voice And Diction	3
TH 114 Intro To The Theatre	
TH 245 Tch Theatre: Performance	3
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 341 American Poetry To 1900	
EN 342 American Fiction To 1900	
EN 343 British Fiction To 1900	
EN 347 English Lit During Enlightenmt	
EN 348 Romantic Literature	
EN 349 Victorian Literature	
Foreign language requirement	8
Total Hours	68

¹ Does not meet the Literature sequence of UA Core Curriculum.

Teaching Field – French

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses.

	Hours
FR 201 Intermediate French	3
FR 202 Intermediate French	3
FR 321 Voices In French	3
FR 323 Text, Image, And Word	3
FR 331 or French Civilization	3
FR 431 Contemp French Civiliztn	

FR 421	Pronunciation & Phonetics	3
Select two of the following:		6
FR 361	Intro Romance Linguistic (Same as IT 361 and SP 361)	
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:

CEE 320	Survey Elementary Educatn	3
CEE 365	Literature For Children	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.

Teaching Field – German

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses:

Select one of the following:		Hours
		4-8
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 & GN 362	Interm Convers Comp I and Interm Convers Comp II	6
GN 371 & GN 372	German Culture and Civilization Thru 1832 and Germn Cult Civ 1832-Present	6
GN 403	Undergraduate Seminar	3
Approved 300-level or higher GN elective		6
Advisor-approved elective		3

NOTE: A minimum of two advisor-approved literature courses: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

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:

CEE 320	Survey Elementary Educatn	3
CEE 365	Literature For Children	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.

Teaching Field – Latin

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses:

		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:

CEE 320	Survey Elementary Educatn	3
CEE 365	Literature For Children	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.

Teaching Field – Mathematics (Comprehensive, 6-12)

<http://education.ua.edu/academics/ci/sema/>

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses:

		Hours
CS 100 or CS 104	CS I for Majors Computer Science Principles	4
CSE 401	Tech for Teaching Sec. Math	3
CSE 406	Curriculum Secondary Math ¹	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	Adv Math Connections & Devlpmn	3
MATH 404	Topics Math Secondary Teachers	1
MATH 405	Geometry For Teachers	3
MATH 470	Prin Modern Algebra I	3
MATH 486	Introduction to Real Analysis I	3
ST 260	Statistical Data Analysis	3
Total Hours		50

¹ Admission to TEP is required

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.

Teaching Field – General Science (Comprehensive, 6-12)

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses (see general studies requirements listed earlier in this section for more information):

		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(s)		6-8
Select one of the following:		3-4
BSC 424	Human Physiology	
BSC 436	Immunology Laboratory	
BSC 439	Bch/Molecular Biology Lab	
BSC 442	Integrated Genomics	
Select one of the following laboratory electives:		2-5
BSC 310	Microbiology	
BSC 313	Gen Bacteriology Lab	
BSC 373	Vertebrate Zoology	
BSC 376	Invertebrate Zoology	
BSC 386	General Ecology Lab	
BSC 390	Honors Thesis Research	
BSC 396	Resident Study	
BSC 400	Vertebrate Funct Morphol	
BSC 425	Human Physiology Lab	

BSC 428	Biology Of Fishes	
BSC 432	Pathogenic Mibrobiol Lab	
BSC 436	Immunology Laboratory	
BSC 439	Bch/Molecular Biology Lab	
BSC 442	Integrated Genomics	
BSC 464	Biology Of Algae	
BSC 472	Mycology	
BSC 475	General Entomology	
BSC 476	Aquatic Insects	
BSC 490	Stream Ecology	
CSE 476	Improving Science Teaching	3
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	Aerospace Science For Educators	4
GEO 101	The Dynamic Earth	4

Total Hours 75-81

Teaching Field – General Science (Comprehensive, 6-12)

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses (see general studies requirements listed earlier in this section for more information):

		Hours
Chemistry		
CH 101 or CH 117	General Chemistry	4
CH 102 or CH 118	Honors General Chemistry	4
CH 223	Quantitative Analysis	4
CH 231	Elem Organic Chemistry I	3
CH 232	Elem Organic Chem II	3
CH 237	Elem Organic Chem Lab	2
CH 338	Elem Organic Chem Lab II	2
CH 340	Elem Physical Chem	3
CH 343	Elem Phy Chem Lab	1
CH 413	Inorganic Chemistry	4
CH 461	Biochemistry I	3
CH 462	Biochemistry II	3
CH 463	Biochem-Clin/Foren/Chem	3
CSE 476	Improving Science Teaching	3
MATH 125	Calculus I	4
MATH 126	Calculus II	4
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

Physics

PH 101 or PH 105	General Physics I General Physics W/Calc I	4
PH 102 or PH 106	General Physics II General Physics W/Calc II	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	Aerospace Science For Educators	4
GEO 101	The Dynamic Earth	4

Total Hours 81-82

Teaching Field – General Science (Comprehensive, 6-12)

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses (see general studies requirements listed earlier in this section for more information):

		Hours
Physics		
PH 101 or PH 105	General Physics I General Physics W/Calc I	4
PH 102 or PH 106	General Physics II General Physics W/Calc II	4
PH 253	Intro Modern Physics	3
PH 255	Modern Physics Lab	1
PH 301 or PH 302	Mechanics I Intermediate Mechanics	3
PH 331	Elect & Magnetism I	3
PH 354	Intermediate Modern Physics	3
PH 405	Physics For Science Teachers	3
PH 491	Advanced Laboratory	3
Advisor-approved PH electives, 300-level or higher		6
CSE 476	Improving Science Teaching	3
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
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 Honors General Chemistry	4
CH 102 or CH 118	General Chemistry 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

Integrated Science

AEM 120	Aerospace Science For Educators	4
GEO 101	The Dynamic Earth	4

Total Hours 83

Teaching Field – Social Science (Comprehensive, 6-12)

The University of Alabama GPA – and, if transfer work, the cumulative GPA – must be at least 2.75 in these courses (see general studies requirements listed earlier in this section for more information):

		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, and 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	History of American Civilization to 1865	3
HY 104	America Civilization Since 1865	3
HY 110	Comparative World Civ	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 Asian or Latin American elective		3
HY 430	UG Research Seminar	3
Three HY 300-level or higher electives		9
PSC 101	Intro American Politics	3
PSC 203	Comparative Politics	3
PSC advisor-approved elective		3
PY 101	Intro To Psychology	3
SOC 101	Intro To Sociology	3
Total Hours		63

Teaching Field – Spanish (6-12)

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 & SP 202	Intermediate Spanish and Intermediate Spanish	6
SP 353	Spanish Conversation	3
SP 356	Adv Grammar And Compos	3
SP 361	Intro Romance Linguistic (preferred, or SP 300- level or higher elective)	3
SP 364 or SP 366	Spanish Civilization Spanish-American Civ	3
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:

CEE 320	Survey Elementary Educatn	3
CEE 365	Literature For Children	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 School (4-8) Endorsement on Secondary Certificate (6-12)

By completing several additional requirements, a student fulfilling the requirements for certification in a secondary school (6-12) teaching field may also obtain middle-school certification in the same field. Those who hold middle school certification may teach in their subject fields in grades 4-8; they are not eligible, however, to teach in self-contained elementary classrooms. The additional requirements of the middle school endorsement program may be secured in 104 Carmichael Hall.

Types of Jobs Accepted

Graduates of the SCTL 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 Philo A. Hutcheson, Department Head
Office: 301-C Graves Hall

Program in Computers and Applied Technology (CAT)

Professor Margaret Rice (Program Coordinator)
Office: 315-F Graves Hall

Courses provided by the program 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.

Program in Social and Philosophical Foundations in Education (BEF)

Professor John Petrovic (Program Coordinator)
Office: 307-C Graves Hall

Foundations in education course offerings include basic support for undergraduate and graduate teacher education 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.

The faculty output is controlled using the 'Faculty List' step in the toolbar.
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 social good shape distinctive philosophies of education.

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 and Professor

Philo A. Hutcheson

Professors

Adams, Natalie

Arredondo-Rucinski, Daisy

Dagley, Dave

Erevelles, Nirmala

Johnson, Bob L.

Katsinas, Stephen G.

Major, Claire Howell

McKnight, Douglas

Petrovic, John E.

Tarter, John

Tomlinson, Stephen

Urban, Wayne J.

Wright, Vivian

Associate professors

Atkinson, Becky

Benson, Angela

Bray, Nathaniel James

Hardy, David

Holley, Karri

Mitchell, Roxanne

Rice, Margaret L.

Assistant professors

Denham, Andre R.

Garvey, Jason

Sun, Jingping

Clinical associate professors

Rice, Richard

Westbrook, Philip

Clinical assistant professors

Breau, Arlene

Mendiola, Brenda

Department of Educational Studies in Psychology, Research Methodology and Counseling

Associate Professor Aaron Kuntz, Department Head
Office: 306-C Carmichael Hall

These programs do not offer certification in undergraduate teaching fields. They do, however, offer some undergraduate courses, many of which are required or are options for certification in the various undergraduate teaching fields.

Program in Counselor Education (BCE)

Professor Rick Houser, Program Coordinator
Office: 315-C 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)

Professor Steve Thoma, Program Coordinator
Office: 310 Carmichael Hall

Undergraduate coursework provided by the Program in Educational Psychology supports College of Education undergraduate teacher education programs and other programs across the University. The coursework is designed to provide basic knowledge and competencies related to human learning and development. The Program in Educational Psychology offers several graduate degrees, as described in The University of Alabama graduate catalog.

Program in Educational Research (BER)

Associate Professor Aaron Kuntz, Program Coordinator
Office: 306-C 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)

Professor Patti Harrison, Program Coordinator
Office: 303 Carmichael Hall

The Program in School Psychology offers several graduate degrees, as described in The University of Alabama graduate catalog.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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.

BSP500 Intro School Psychology

Hours 3

The history, role, and ethical and legal issues of school psychology are studied. The school psychologist's role in team decision making is emphasized.

[View All Courses](#)**Faculty****Department Head**

Aaron Kuntz

Professors

Burnham, Joy

Harrison, Patti L.

Houser, Rick

Iran-Nejad, Asghar

McLean, James E.

Schumacker, Randall

Thoma, Stephen I.

Wilcoxon, S. Allen

Associate professors

Kuntz, Aaron

Mills, Jamie D.

Robinson, Cecil D.

Assistant professors

Choi, Youn-Jeng

Guyotte, Kelly

Lu, Junfei

McKibben, Bradley

Mugoya, George

Soylu, Firat

Tomek, Sara Elizabeth

Wind, Stefanie

Clinical professor

Giesen, Judy

Clinical associate professor

Godfrey, Ann

Clinical assistant professors

Britnell, Heather

Lawson, Michael

Smith, Annie

Surman, Stacy Hughey

Department of Kinesiology

Associate Professor Jonathan Wingo, Department Head

Office: 1002 Moore Hall

In addition to the major in physical education leading to Alabama teacher certification, exercise and sport science is another possible major in kinesiology.

- Majors
 - Physical Education (BSE) (p. 490)
 - Exercise and Sport Science, Non-certification (BSE) (p. 488)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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

Wingo, Jonathan E.

Professors

Bishop, Phillip A.

Curtner-Smith, Matthew D.

Richardson, Mark T.

Vincent, John

Associate professors

Hardin, L. Brent

Sinelnikov, Oleg

Assistant professors

Esco, Michael

Fedewa, Michael

Richards, Kevin

Williams, Dylan

Clinical assistant professors

Kelly, Rebecca

Stran, Margaret

Williams, Elisha

Woodruff, Elizabeth

Clinical instructor

Geary, Colleen

Exercise and Sport Science (Non-certification, HPES), BSE

The degree includes a 34-hour core of kinesiology courses. Students then opt to take 36-39 hours in two or three concentrations. These concentrations are fitness, nutrition, business, health promotion, coaching/sport skill, preprofessional track and disability sports. Finally, students may have room in their program for one 3- hour elective course, depending on the concentrations chosen.

Professor Mark Richardson

Office: 1007 Moore Hall

Clinical Instructor Colleen Geary

Office: 1006 Moore Hall

This program offered by the department of kinesiology requires the completion of 120 semester hours as specified below and leads to the bachelor of science in education degree. The program does not lead to professional certification as a teacher. A prospective exercise and sport science student must

1. complete 45 hours of applicable courses toward the degree, and
2. have at least a 2.0 GPA before taking upper-division (300-level or above) courses in the program of study.

General Studies: 50 hours

See general studies requirements (p. 472) 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 109 Intro Biology Non Maj II should be taken to meet prerequisite requirements. For students selecting the pre-professional concentration, BSC 114 Principles Of Biology I and BSC 115 Laboratory Biology I should be taken instead of BSC 109 Intro Biology Non Maj II. Students selecting the pre-professional concentration should complete MATH 112 Precalculus Algebra to meet prerequisite requirements.
- Area IV: Students selecting the business concentration are encouraged to complete EC 110 Principles of Microeconomics in meeting University core requirements. Students selecting the pre-professional concentration should complete PY 101 Intro To Psychology to meet prerequisite requirements.

Kinesiological Core

All students in the major must complete the kinesiological core:

		Hours
BSC 215	Human Anatomy & Physiology I	4
BSC 216	Human Anatomy & Physiology II	4
ATR 272	First Aid, Safety & CPR	2
KIN 199	Ecol Appr Hlth & Fitness	3
KIN 300	Intro to Kinesiology	3
KIN 362	Motor Development	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
KIN 492	Physiology of Exercise	3
Total Hours		34

Kinesiological Concentrations: 36–43 hours

Students in the major must select three of the following concentrations for in-depth study or the pre-professional concentration plus one additional concentration. This should be discussed with an adviser in the Department of Kinesiology.

Fitness Concentration

		Hours
KIN 388	Professional Development in Fitness	3
KIN 493	Fit Apprsl Exer Prescrip (required)	3
KIN 488	Internships-Fitness ¹	9-12
Total Hours		15-18

¹ All students must take KIN 493 Fit Apprsl Exer Prescrip. A student who takes KIN 388 Professional Development in Fitness may take KIN 488 Internships-Fitness for 9 hours instead of 12 hours. A student who does not take KIN 388 Professional Development in Fitness must take KIN 488 Internships-Fitness for 12 hours.

Health Promotion Concentration

		Hours
HHE 370	Prin/Foundatn Health Promotion	3
HHE 378	Drug Awareness Education	3
HHE 440	Understanding Stress Mgt	3
HHE 467	Design Eval Health Promo	3
Total Hours		12

Nutrition Concentration

		Hours
NHM 101	Intro Human Nutrition	3
NHM 210	Dynamics Weight Control	3
NHM 315	Nutrition For Performance	3
NHM 401	Nutrition Health Profesn	3
Total Hours		12

Sport & Fitness Management Concentration

Select 15 hours of the following:	15
APR 231	Intro Public Relations
EC 110	Principles of Microeconomics
KIN 401	Sport Administration: Principles and Practice

KIN 402	Sport Marketing
KIN 403	Legal Issues in Sport
KIN 404	Financial Issues in Sport
Total Hours	15

Coaching/Sport Skill Concentration

Students opting for this concentration may take up to three 3-hour coaching courses at the 300 level or above.

Students may also take a maximum of six different 1-hour Basic Physical Education Program (BPEP) courses (KIN 101 Physical Conditioning–KIN 170 Beginning Karate) to partially fulfill this concentration.

	Hours
Select 12 hours of the following:	12
Coaching courses (300-level or greater)	
Basic Physical Education Program (BPEP) courses	
KIN 306	Analysis Teaching Movement I
ATR 257	Intro to Athletic Training
Total Hours	12

Pre-professional Concentration

Students selecting the pre-professional concentration in preparation for advanced professional training (e.g. physical therapy school, medical school, occupational therapy school) may work with an exercise and sport science adviser in choosing alternate courses required for admission into specific programs. Substitutions must be adviser approved.

		Hours
CH 101	General Chemistry	4
CH 102	General Chemistry	4
PH 101	General Physics I	4
PH 102	General Physics II	4
MATH 113	Precalculus Trigonometry	3
PY 211	Elem Statistical Methods	3
PY electives		6
Total Hours		28

Disability Sports Concentration

		Hours
KIN 387	Adapted Sports Professional Development	3
SPE 300	Survey Spe Accomd Stratg	3
KIN 486	Internships-Disability Sport	6
KIN 496	Independent Study	3
Total Hours		15

Additional Electives

Students must complete electives as needed to complete 120 semester hours, in addition to all University core and exercise and sport science program courses.

Coach, Athletic Coordinator, Sports Nutritionist, Physical Therapist.

Jobs of Experienced Alumni

Coach.

Learn more about opportunities in this field at the Career Center

Physical Education, BSE

Physical Education majors are typically interested in teaching as their main focus and will graduate as highly qualified to teach K-12. Many of our majors are also interested in coaching as well as strength and conditioning and often have the opportunity for volunteer opportunities to gain experience while undergraduates.

Associate Professor Oleg Sinelnikov
Office: 1009 Moore Hall

Clinical Assistant Professor Elizabeth Woodruff
Office: 2006 Moore Hall

This program requires the completion of hours as specified and leads to the Bachelor of Science in Education degree and the Alabama Class B (P-12) Professional Certificate. Students who have completed all 100- and 200-level requirements, have a UA GPA — and, if transfer work, a cumulative GPA — of at least 2.75, and have completed BSC 215 Human Anatomy & Physiology I or BSC 216 Human Anatomy & Physiology II, may apply to the physical education teacher education (PETE) methods cohort fall semester of the junior year. Additionally, students must have a passing score on all three areas (reading, writing and math) on the basic skills assessment of the Alabama Educator Certification Assessment Program (AECAP). 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). An individual may request from his or her adviser information concerning summative data on the most recent previous admissions.

All students must begin the PETE methods cohort in the fall semester. Admission to the PETE methods cohort enables students to take the following courses:

First PETE Fall Term		Hours
KIN 305	Dance & Gymnastics	2
KIN 350	Secondary Curriculum	3
KIN 351	Secondary Clinical Experience	3
KIN 362	Motor Development	3
KIN 464	Admin Phys Educ & Sport	3
Total Hours		14

First PETE Spring Term		Hours
KIN 300	Intro to Kinesiology	3
KIN 306	Analysis Teaching Movement I	3
KIN 307	Teach Trk & Fld/Net Game	2
KIN 310	Teaching Swimming	2
KIN 360	Subj Matter Elem Physical Educ	3
KIN 361	Elem Phys Ed Curr Phil Theory	3
Total Hours		16

Second PETE Fall Term		Hours
KIN 311	Tch Hlth Related Fitness	1
KIN 365	Applied Biomechanics	3
KIN 366	Evaluation and Measurement	3
KIN 468	Adapted Physical Education	3
KIN 487	Physical Educ Teach Pract	3
KIN 492	Physiology of Exercise	3
Total Hours		16

Second PETE Spring Term

KIN 497	Internship Phys Education	3-12
Total Hours		3-12

Students will apply to TEP while they are enrolled in KIN 350 Secondary Curriculum, fall term. 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.

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 academic advisers in 104 Carmichael Hall.

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 (p. 472), 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.

Physical Education Teaching Field: 43 hours

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses.

KIN 351 Secondary Clinical Experience must be taken concurrently with KIN 350 Secondary Curriculum .

KIN 360 Subj Matter Elem Physical Educ must be taken concurrently with KIN 361 Elem Phys Ed Curr Phil Theory.

		Hours
KIN 199	Ecol Appr Hlth & Fitness	3
KIN 300	Intro to Kinesiology	3
KIN 305	Dance & Gymnastics	2
KIN 306	Analysis Teaching Movement I	3
KIN 307	Teach Trk & Fld/Net Game	2
KIN 310	Teaching Swimming	2
KIN 311	Tch Hlth Related Fitness	1
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
KIN 487	Physical Educ Teach Pract	3

KIN 492	Physiology of Exercise	3
Total Hours		43

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 .

		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 497	Internship Phys Education	12
SPE 300	Survey Spe Accomd Stratg	3
Total Hours		27

Our PETE graduates have been very competitive in the job market. Many of them choose to teach in the southeast, while some venture further afield. A fairly high percentage of our students go on to graduate school and study for advanced practitioner degrees or degrees which enable them to study and teach sport instruction in university settings.

Types of Jobs Accepted

Our recent graduates initially accept elementary, middle school and high school physical education teaching/coaching positions.

Jobs Experienced Alumni

certified master teacher; principal; university instructor; university professor; high school PE teacher and head basketball coach

Learn more about opportunities in this field at the Career Center

Department of Music Education

Associate Professor Marvin E. Latimer, Department Head
Office: 261-A 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
 - Instrumental Music Education (BM) (p. 491)
 - Vocal/Choral Music Education (BM) (p. 492)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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. Students with previous musical training may elect to demonstrate equivalent skills through testing.

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 Associate Professor

Latimer, Marvin E.

Associate Professor

Hancock, Carl

McGuire, Kenneth M.

Instructor

Witt, Anne

Instrumental Music Education, BSE

Student should have a strong background in music, with performance experience on a particular instrument, or designated voice type.

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.

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

		Hours
MUS 115	Theory I	4
MUS 117	Theory II	4
MUS 215	Theory III	4
MUS 217	Theory IV	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

	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 ensemble (2 hrs, one per semester)	
200-level ensemble (2 hrs, one per semester)	
300-level ensemble (2 hrs, one per semester)	
400-level ensemble (1 hr, one semester)	
Class Piano (0-4 hours)	
MUA 299 Piano Proficiency (Exam) ²	0
Complete the following with no grade less than a "B":	1-4
MUA 121 Class Piano I	
MUA 122 Class Piano II	
MUA 123 Class Piano III	
MUA 124 Class Piano IV	
Total Hours	22-25

¹

Course numbers MUA 170 Harp (Majors)–MUA 190 Guitar (Majors), MUA 270 Harp (Majors)–MUA 290 Guitar (Majors), MUA 370 Harp (Majors)–MUA 390 Guitar (Majors), and MUA 490 Guitar (Majors) 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.

²

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.

Class Instruments

	Hours
MUE 252 Teach String/Percu Instr	2
MUE 351 Tchng 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

See general studies requirements (p. 472) listed earlier in this section.

Professional Studies: 36 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:

	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 387 Elem School Music Program	3
MUE 389 Clinical Experience In Mue ^{1, 2}	3
MUE 350 Evaluatn Teaching Learning Mus	3
MUE 497 Internship Music Educ	12
SPE 300 Survey Spe Accomd Stratg ¹	3
Total Hours	36

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.

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 fill out a separate application to the School of Music. Visit music.ua.edu/undergraduates/auditions 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 adviser, students will formally declare the major the first semester of enrollment after formal acceptance to the School of Music. Transfer students should declare the major the first semester of enrollment after formal admission to the School of Music, with the assistance of a Music Education advisor. 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

Vocal/Choral Music Education, BSE

Student should have a strong background in music, with performance experience on a particular instrument or designated voice type.

Music Education Teaching Fields

Instrumental or Vocal/Choral

The University of Alabama GPA – and, if transfer work, the overall GPA – must be 2.75 or higher.

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 fill out a separate application to the School of Music.

Visit music.ua.edu/undergraduates/auditions 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 adviser, students will formally declare the major the first semester of enrollment after formal acceptance to the School of Music. Transfer students should declare the major the first semester of enrollment after formal admission to the School of Music, with the assistance of a music education advisor.

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.

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.

		Hours
Music Academics		
MUS 115	Theory I	4
MUS 117	Theory II	4
MUS 215	Theory III	4
MUS 217	Theory IV	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:		
MUA 271 or	Piano (Majors)	4
MUA 274	Voice (Majors)	
Choral Ensemble Courses (one per term):		7
100-level ensemble (2 hrs)		
200-level ensemble (2 hrs)		
300-level ensemble (2 hrs)		

400-level 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) and/or MUA 331 Piano II (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) and MUA 331 Piano II (Secondary)) can be taken two times each for one credit hour per semester. A minimum of four (4) 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: 36 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.

		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 387	Elem School Music Program	3
MUE 389	Clinical Experience In Mue ^{1,2}	3
MUE 350	Evaluatn Teaching Learning Mus	3
MUE 497	Internship Music Educ	12
SPE 300	Survey Spe Accomd Stratg ¹	3
Total Hours		36

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 James Siders, Department Head

Office: 201-B Graves Hall

The department offers undergraduate programs requiring the completion of a minimum of 120 semester hours as specified and lead to the bachelor of science in education degree and the Alabama Class B Professional Certificate.

NOTE: Admission to this program is competitive, and meeting stated criteria does not guarantee admission. Rather, persons 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 Teacher Program (p. 494)
 - Early Childhood Special Education (BSE)
 - Multiple Abilities Program

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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.

View All Courses

Faculty

Department Head and Associate Professor

Siders, James

Professors

Donovan, Carol A.

Mutua, N. Kagendo

Associate Professor

Newman, Jane Lumpkin

Nichols, Sandra Cooley

Swoszowski, Nicole Cain

Assistant Professor

Besnoy, Kevin

Kim, Sunyoung

McDaniel, Sara

McLeod, Ragan

Clinical Professor

Wetzel, Kathy Shaver

Clinical Assistant Professors

Myrick, John

Perry, Ashley

Clinical instructors

Burgess, Lisa

Maughn, Sharron

Robinson, Olivia

Collaborative Teacher Program

The special education and multiple abilities program faculty recognizes special education as a dynamic field dedicated to the realization of human potential. It is the mission of the Collaborative Teacher Program to facilitate ideas and professional knowledge necessary to maximize learning opportunities for prospective practitioners and ultimately for children experiencing cognitive, social, behavioral, physical and/or multiple disabilities.

The Collaborative Teacher Program (CTP) is an innovative teacher preparation program that leads to a bachelor of science in education degree with three teacher certification options at the Alabama Class B level:

- Elementary collaborative (K–6)
- Secondary collaborative (6–12)
- Dual elementary (K–6)/secondary (6–12) collaborative

The undergraduate CTP is a two-year, upper-division program that prepares students to work in special education settings with children and youth who have a wide range of disabilities. A cohort of students is accepted each fall. Students in the CTP cohort 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 education agencies, CTP students have opportunities to gain practical experience in working with individuals with disabilities. The final semester of the CTP program is devoted to a full-time teaching internship in a local education agency appropriate to the teaching certificate option selected.

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.

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.

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 utilized to meet teaching field or prerequisite requirements.

CAT 200 Computer Education Application is 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:

		Hours
BEF 362	School, Culture, and Society	3
BEP 305	Educational Psychology	3
SPE 300	Survey Spe Accomd Stratg	3
SPE 304	Instructional Strategies Spec Ed	3
Internship:		12
SPE 499	Internship In Spe (Spco) (Elementary or Secondary)	
Total Hours		24

Teaching Field(s): 36-39 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:

		Hours
CEE 380	Teaching Elem Math	3
CRD 369	Fundmntl Readng Instruction	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	Parenting Children	3
SPE 382	Teaching Thinking Skills	3
SPE 414	Collaborative Consultatn	3
SPE 416	Instruct Strategy Severe Popul	3
SPE 435	Behavior Management	3
SPE 493	Intro Severe/Profound Disabili	3
Educational Methods for Mild Learning and Behavior Disorders ¹		3-6
Total Hours		36-39

¹ Select SPE 491 Educ Method Elem Mlbd for elementary and/or SPE 492 Educ Methods Second Mlbd for secondary.

inclusion teacher, traditional special education teachers (self-contained and resource)

Jobs of Experienced Alumni

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

Early Childhood Education, BSE

Experimental learning activities, assessment, and practicums are provided for students on and off campus through the Office of Clinical Experiences. On-campus facilities providing structured practicums

include the Child Development Laboratories and the Rural Infant Stimulation Environment (RISE) Program. These programs provide opportunities for students to work with infants, toddlers, and children who have a broad range of special needs. In addition, all students who major in early childhood special education will complete supervised practicum and internship experiences in diverse public school settings.

Through the major in early childhood special education, students learn about the intellectual, physical, social and emotional development of young children with special needs and their families. 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 providing structured practicums include the Child Development Laboratories and the Rural Infant Stimulation Environment (RISE) Program. These programs provide opportunities for students to work with infants, toddlers and children who have a broad range of special needs. In addition, all students who major in early childhood special education will complete supervised practicum and internship experiences in diverse public school 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 nine additional hours of mathematics and four 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.

CAT 200 Computer Education Application is required.

See general studies requirements (p. 472) 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.

Requirements

	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 3
BEP 305	Educational Psychology 3

SPE 300	Survey Spe Accomd Stratg	3
SPE 304	Instructional Strategies Spec Ed	3
SPE 479	Intern In Early Childhood Spe	12
Credit Hours Subtotal:		24

Dual Certification Teaching Field

The University of Alabama GPA — and, if transfer work, the cumulative GPA — must be at least 2.75 in these courses:

CD 226	Lang & Speech Develop	3
CEE 380	Teaching Elem Math	3
CRD 369	Fundmntl Readng Instruction	3
CRD 400	Teach Readg Diverse Learn K-12	3
HD 202	Child Dev-Infancy/Todlr	3
HD 205	Child Dev-Preschool	3
SPE 374	Parenting Children	3
SPE 414	Collaborative Consultatn	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:		39

Total Hours 123

Birth–third grade special education teacher, Prekindergarten–third grade elementary education teacher, Early interventionist, Case Manager.

Jobs of Experienced Alumni

Lead Teachers, Instructional Facilitators, Cooperating Master Teachers, School Administrators (Principals, Special Education Supervisors, Directors of Non-profit Organizations).

Learn more about opportunities in this field at the Career Center

Multiple Abilities Program

The program requires that students work in schools with children on a continuous basis. Reading, critical thinking and problem solving are major strands of the program. Emphasis is also placed on behavior management and special education instructional interventions.

Multiple Abilities Program, K-6 (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

Each student must secure a core check from 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 general studies requirements listed earlier.

Courses from areas II, III and IV, plus any hours remaining in area V, should be utilized to meet teaching field or prerequisite requirements.

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
Total Hours		17

NOTE: Students in this program must complete four additional semester hours of natural science (for a total of 12) 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 MA-designated MATH courses. Twelve hours in both English language arts and social science are required.

Elementary Teachers, Elementary Special Education Teachers.

Jobs of Experienced Alumni

cooperating master teachers, curriculum specialists, instructional facilitators, administrators (principals, special education supervisors, directors of special schools).

Learn more about opportunities in this field at the Career Center

COLLEGE OF ENGINEERING

Department of Aerospace Engineering and Mechanics (p. 502)

Department of Chemical and Biological Engineering (p. 505)

Department of Civil, Construction and Environmental Engineering (p. 509)

Department of Computer Science (p. 517)

Department of Electrical and Computer Engineering (p. 520)

Department of Mechanical Engineering (p. 523)

Department of Metallurgical and Materials Engineering (p. 526)

Degrees and Programs Offered

The College of Engineering offers undergraduate programs leading to the bachelor of science degree in:

- aerospace engineering
- chemical engineering
- civil engineering
- computer science
- construction engineering
- electrical engineering
- mechanical engineering
- metallurgical engineering

An option in computer engineering is available in the electrical engineering program. The College offers graduate programs leading to the master of science degree in:

- aerospace engineering
- chemical engineering
- civil engineering
- computer science
- electrical engineering
- environmental engineering
- engineering science & mechanics
- mechanical engineering
- metallurgical engineering

The College offers programs leading to the doctor of philosophy degree in the fields of:

- chemical engineering
- civil engineering
- computer science
- electrical engineering
- engineering science & mechanics
- mechanical engineering
- metallurgical engineering

A PhD in the area of materials science is offered in collaboration with The University of Alabama at Birmingham and The University of Alabama in Huntsville. Students should consult The University of Alabama graduate catalog for information concerning the graduate degree programs.

Minors in Engineering for Non-engineering Majors

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 adviser for a student desiring this type of minor.
- The Type 2 minor is a general minor in engineering that requires a minimum of 18 hours in courses chosen from a list available from the associate dean for academic programs. The associate dean will appoint an adviser for a student pursuing a Type 2 minor.

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 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 eng.ua.edu/fep; call 205-348-0750; or write to Freshman Engineering Program, College of Engineering, 290 Hardaway Hall, The University of Alabama, Box 870285, Tuscaloosa, AL 35487-0285.

Degree Requirements

The requirements specified in this catalog are intended for all students who begin their college careers during or after the fall of 2012. Students who have begun their careers prior to fall 2012 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 an application for degree to Engineering Student Services (290 Hardaway Hall). 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 Interim term, summer session or fall semester should submit their applications beginning the in March before the expected graduation. In all cases, an application for degree must be on file in Engineering Student Services no later than the time at which the degree candidate registers for his or her final semester in residence. Students who apply for their degrees after registration for the final semester will not receive their diplomas until the following term.

Graduation Standards

Each student who expects to earn a baccalaureate degree from the College of Engineering must meet the following minimum standards of academic achievement:

- successfully complete all courses specified in the degree program
- complete at least one-half of the work required within the discipline on this campus
- earn at least a C average (2.0 on a 4.0 scale) for all work attempted
- earn at least a C average (2.0 on a 4.0 scale) for all work attempted on this campus
- earn at least a C average (2.0 on a 4.0 scale) for all work attempted in his or her professional courses
- earn at least a C average (2.0 on a 4.0 scale) for all work attempted in his or her professional courses on this campus
- meet any additional academic requirements of the program offering the degree

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. Differences in students' abilities and in the degree of their preparation make it necessary for each student to begin work in chemistry, mathematics and English at the level determined by placement tests offered by the departments of chemistry, English and mathematics. Grade points earned in preparatory courses are counted in the grade point average, 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 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:

Select one of the following:	1
ENGR 111 Engineering for the Future	
One-hour introduction to one of the majors in the College	
ENGR 103 Engineering Foundations	3

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 to or deny transferred credit rests with the college.

Transfers from Two-year Colleges

At most, 50 percent of the total number of hours required for an undergraduate degree in the College of Engineering may be taken at two-year colleges and applied toward graduation requirements. 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 cumulative grade point averages 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

Students may register for courses as auditors with the approval of the departments offering the courses. The deadline for registering as a course auditor coincides with the deadline for adding courses at the beginning of each semester. 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.

Course Substitution

Occasionally, a student may wish to substitute another course for a required course. All such requests should first be presented via written petition to the student's adviser and department head, who will:

- weigh the merits of course substitution and determine if the content of the proposed course is appropriate as a substitute
- make a recommendation to the Associate Dean for Academic Programs, who will decide on course substitution recommendations

Double/Second Majors

Students seeking a double major must complete the Double/Second Major form located in the Office of Engineering Student Services (290 Hardaway Hall). The same academic standards apply to a double/second major as to any other course sequence for a College of Engineering degree. The College of Engineering departmental adviser, as well as the adviser outside the College of Engineering, must approve all courses for the double/second major.

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.

Free Electives

Most college courses may be counted as free electives. Any exceptions for College of Engineering students are the mathematics courses below MATH 125 Calculus I. ROTC credit may be applied with the approval of the student's adviser and department head.

Mathematics

An entering student must enroll in the mathematics course determined by the student's score on the mathematics placement test. A grade of C- or higher must be earned in each mathematics course that leads to another course in the sequence, preparing the student to enroll in calculus.

Online Courses

College of Engineering students may enroll in online courses through the College of Continuing Studies. 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. Further information about online courses is available through the College of Continuing Studies.

Pass/Fail Option

The pass/fail option cannot be exercised for courses that are to be applied to the requirements of an engineering or computer science degree. For further information about the pass/fail option see the Academic Records and General Academic Policies (p. 11) section of this catalog.

Prerequisites

The College of Engineering requires a grade of at least C- in each course that is a prerequisite to any course needed to meet a student's degree requirements. If a grade lower than C- is received in a prerequisite course, that course must be repeated. A grade of C- or higher must be earned before the student enrolls in the subsequent course. In such cases, it is the student's responsibility to make 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. A student who is administratively withdrawn from a course after the deadline to add a course may not add another course in replacement.

Advising

The College of Engineering Academic Advising Center was established to provide advising support services to students that encourage success, independence and completion of an academic plan that incorporate students' goals and interests. Students must be advised each semester

prior to registering for courses and are assigned an adviser in the College of Engineering by their last name. The Advising Center is located in 290 Hardaway Hall. Additional information is available through the Advising Center website.

Repeating Courses

- The repetition of courses is governed by the following restrictions:
- In computing the grade point average, a grade of I (Incomplete) is included as hours attempted with zero grade points earned. A student on probation must remove I grades within two weeks of the beginning of classes during his or her next term in residence. Students not on probation must remove I grades within four weeks of the beginning of classes during the next term. If the I grade was earned in a required course and is not removed, the course must be repeated.
 - A record of original and repeat enrollments appears on the student's transcript.
 - Each enrollment in a course is included in the cumulative hours attempted and in the computation of grade point averages. However, only the final enrollment may count as credit toward the degree.
 - Courses completed with grades of A, B or C may not be repeated except on an audit basis.
 - Enrollment for credit in a course that is at a lower level than a course the student has already completed for credit with a grade of A, B or C is prohibited. For example, a student with credit for with a grade of A, B or C may not enroll for credit in the following courses or similar courses:
- | | | |
|----------|--------------------------|---|
| 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 |
| MATH 121 | Calculus & Applications | 3 |
- This policy also prohibits repeating a course for credit if equivalent transfer credit with a grade of Pass has already been awarded.
- Enrollment for credit in a course is not prohibited simply because credit was earned in a higher-numbered course. For example, a student with credit for or Department Approved GES Course may enroll for credit in the following courses:
- | | | |
|---------|--------------------------|---|
| GES 255 | Engineering Statistics I | 3 |
|---------|--------------------------|---|
- If students have questions about the interpretation of this policy, they should consult the associate dean for academic programs or the director of Engineering Student Services prior to enrollment.
- ## Transfer Credit, Advanced Placement and Credit by Examination
- The following policies apply to the transfer of credit by entering transfer students, to the transfer of credit that was earned while concurrently enrolled at The University of Alabama, to the transfer of credit earned as a transient student at another institution and to the transfer of credit from other divisions of The University of Alabama.
- In order for credit to be transferred, courses completed at other institutions must be equivalent as nearly as possible to courses taught at The University of Alabama.

- In the College of Engineering, grades of D will not be admissible if the grade was earned in a course that is a prerequisite to another course required for the student's degree program.
- The maximum amount of credit transferable from two-year institutions is 64 semester hours.

Transfers from Other University of Alabama Divisions

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.

Undergraduate Students in Graduate Courses

Undergraduate students may be permitted to enroll in graduate courses if they have senior standing and at least a B average for work attempted at The University of Alabama.

History and Objectives

Engineering instruction began at The University of Alabama in 1837. The College of Engineering was organized as a separate division of the University in 1909. As the original engineering college in the state of Alabama, our mission is to:

- provide high-quality undergraduate, graduate and continuing education in engineering and computer science to prepare our graduates for professional careers, leadership positions and a lifetime of learning
- conduct high-quality research programs that will assist in the economic development of the state and nation, advance the body of knowledge and improve the quality of human life
- serve individual practicing engineers and computer scientists; industry, government and educational entities and technical societies through professional expertise, active involvement and availability of facilities

To accomplish its mission, the College of Engineering offers students an outstanding faculty, accredited engineering and computer science programs and some of the most advanced facilities in the nation. Numerous research projects offer students opportunities to work with faculty in solving current societal problems and in developing technological resources for the future.

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.

Accreditation

The following undergraduate engineering programs in UA's College of Engineering are accredited by the Engineering Accreditation Commission of ABET:

- Aerospace Engineering
- Chemical Engineering
- Civil Engineering
- Construction Engineering
- Electrical Engineering
- Electrical Engineering – Computer Engineering Option

- Mechanical Engineering
- Metallurgical Engineering

The undergraduate Computer Science program in UA's College of Engineering is accredited by the Computing Accreditation Commission of ABET.

Faculty

Dean

Karr, Charles L.

Associate Dean

Acoff, Viola L.

Fridley, Kenneth J.

Weist, John M.

Director

Nancy Holmes

Lawrence K. Hill

Naomi C. Powell

Mike Rhiney

Gregory L. Singleton

Chief Mechanician

Ken L. Dunn

Coordinator Student Recruitment

Lynsey Dill

Events Coordinator

Carol Sanders

Communication Specialist Senior

Adam Jones

Instructors

Carswell, Michael

Cooper, Steven M.

McCarty, Rachael V.

Monk, Bridgett J.

Stogner, Claude R.

Wood, Sandra A.

Professor Emeritus

Bailey, J. Earl

Ball, John E.

Bradt, Richard C.

Brown, Jack C.

Brown, Robert C., Jr.

Carden, A. Eugene

Carroll, Chester C.

Chen, Der-San

Clements, William C., Jr.

Doughty, Julian O.

Dudgeon, James E.

Evces, Charles, R.

Gambrell, Samuel C., Jr.

Hansen, John P.

Harrisberger, Lee

Haynes, Charles D.

Henry, Harold R.

Hill, James L.

Houts, Ronald C.

Jordan, William D.

Kallsen, Henry A.

Kavanaugh, Steve

McDuff, Odis P.

McKay, Gordon B.

Mjosund, Arne

Mott, Harold

Pimmel, Russell L.

Reinhard, Erwin A.

Schrodt, Verle N.

Walters, James V.

Wang, George C.

Webb, William E.

Webster, Dennis B.

Weeks, George E.

Wilson, Howard B., Jr.

Dean Emeritus

Barfield, Robert F.

Lear

Professor Emerita

Chen, Hui-Chuan "Hannah"

Associate Dean Emeritus

Griffin, Robert A.

Associate Professor Emeritus

Hollub, Raymond M.

Merritt, Thomas Wayne, Jr.

Planz, Edward J.

Associate Professor Emerita

McGowin, Martha

Reichhold-Shumaker Professor Emeritus

McKinley, Marvin D.

Research Professor Emeritus

Stefanescu, Doru M.

Assistant professors emeritae

Graham, C. Bryan

Jordan, Wendell E.

Department of Aerospace Engineering and Mechanics

As one might guess from the name, the department of aerospace engineering and mechanics is also home to faculty members with expertise in engineering science & mechanics. The discipline of engineering mechanics focuses on the underlying physical principles responsible for the fundamental behavior fluid and solid materials exhibit. Such an understanding is critical to the development of cutting-edge technology. At the undergraduate level, students are exposed to engineering mechanics via courses in statics, dynamics, mechanics of materials and fluid mechanics. The material covered in these courses represents the foundation on which a strong engineering education is built. Most engineering disciplines require students to take several engineering mechanics courses in preparation for future study in their chosen professional area.

The undergraduate curriculum in the department of aerospace engineering and mechanics leads to a bachelor of science in aerospace engineering (BSAE) degree and 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. 504)
 - Aerospace Engineering and Mechanics Honors Program (p. 503)
- Minors
 - Aerospace Engineering (p. 505)

University Scholars Program

The University Scholars Program allows gifted and highly motivated undergraduate students the opportunity to work simultaneously on a bachelor's and master's degree.

Eligibility Requirements

Phase I: Contingent upon completion of 61 semester hours of study and with a grade point average of at least a 3.3, students are admitted to Phase I at the beginning of their junior year or recommendation of the AEM Department. During their junior year, students will take courses in their major field to prepare them for the work of Phase II.

Phase II: On completion of at least 91 hours (typically at the end of the junior year), a GPA of 3.3 or above, and recommendation by the AEM department, students may apply for and be accepted for admission to the Graduate School. Upon admission to the Graduate School, students will begin a program of study leading to the master's degree as approved by the AEM Department and the dean of the Graduate School. Students accepted into the program may receive dual credit for up to six hours of graduate (500-level and above) credit. Seniors are allowed to take up to nine hours of graduate credit.

For more information, contact the AEM Undergraduate Program Coordinator, Dr. Thomas Zeiler at 205.348.7305 or tzeiler@eng.ua.edu.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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 and MATH 145

View All Courses

Faculty**Department Head**

Baker, John

William D. Jordan Chair Professor

Roy, Samit

Professors

Barkey, Mark E.

Karr, Charles L.

Associate Professors

Cheng, Gary

Haque, Anwarul

Hubner, James Paul

Lang, Amy W.

Olcmen, Semih

Sharif, Muhammad Ali Rob

Whitaker, Kevin W.

Assistant Professors

Branam, Richard

O'Neill, Charles

Mulani, Sameer

Shen, Jinwei

Su, Weihua

Unnikrishnan, Vinu

Professors Emeriti

Gambrell, Samuel, Jr.

Jackson, John E., Jr.

Jones, Stanley E.

Adjunct Instructors

Cooper, Steve

Highsmith, Alton

AEM Honors Program

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.

Dr. Semih Olcmen, Undergraduate Program Coordinator
205.348.4003; solcmen@eng.ua.edu (tzeiler@eng.ua.edu)

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 University Scholars Program; visit aem.eng.ua.edu/undergraduate/scholars-program for more information.

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 3.3 GPA on a 4.0 scale and an ACT score of 28 or SAT score of 1240; 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

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

		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 571		
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, UHP or IHP (International Honors Program) 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 Aerotonomy, 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.

Program 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, and
- 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.

Freshman		
Fall	Hours Spring	Hours
AEM 121	1 EC 110 ¹	3
CH 101	4 EN 102	3
EN 101	3 ENGR 161	1
ENGR 103	3 MATH 126	4
MATH 125	4 PH 105	4
	15	15
Sophomore		
Fall	Hours Spring	Hours
AEM 201	3 AEM 250	3
AEM 249	2 AEM 251	1
MATH 227	4 AEM 264	3

MATH 237	3 AEM 311	3
PH 106	4 MATH 238	3
	Humanities (HU), Literature (L), or Fine Arts (FA)	3
	16	16
Junior		
Fall	Hours Spring	Hours
AEM 313	3 AEM 360	3
AEM 341	3 AEM 368	4
AEM 349	4 AEM 413	3
ME 215	3 Engineering Elective	3
Humanities (HU), Literature (L), or Fine Arts (FA)	3 History (HI) or Social and Behavioral Sciences (SB)	3
	16	16
Senior		
Fall	Hours Spring	Hours
AEM 402	3 AEM 404	3
AEM 408	3 AEM 451	4
AEM 468	4 Aerospace Engineering Elective	3
AEM 495	2 Humanities (HU), Literature (L), or Fine Arts (FA)	3
Aerospace Engineering Computational Elective	3 History (HI) or Social and Behavioral Sciences (SB)	3
	15	16

Total Hours: 125

- ¹ All students must complete a sequence of two of the HI/SB or HU/L/FA elective courses from the same department.
- ² Students may satisfy this requirement by successfully completing a 3-hour 400-level AEM elective course or one of the following: ECE 320 Fundmtl Electrical Engr, ECE 340 Electromagnetics, ECE 380 Digital Logic, ME 305 Thermodynamics II, ME 309 Heat Transfer, ME 350 Static Machine Components, or MTE 271 Engineering Materials : Structure and Properties. Consult here (p. 498) for pre/co-requisites.
- ³ Students may satisfy this requirement by successfully completing either AEM 420 Computational Fluid Dynamics or AEM 461 Computational Methods for Aerospace Structures. Consult here (p. 498) for pre/co-requisites.
- ⁴ 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.

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 Aerotonomy, Inc., Atlanta, GA; former Chief Scientist of AFRL

Learn more about opportunities in this field at the Career Center

Aerospace Engineering, Minor

A Minor in Aerospace Engineering requires the completion of a minimum of 20 hours including the following courses plus the required prerequisites:

Minor Courses		Hours
AEM 250	Mechanics Of Materials I ¹	3
AEM 251	Mechanics Of Materials I Lab	1
AEM 264	Dynamics ¹	3
AEM 311	Fluid Mechanics ¹	3
AEM 313	Aerodynamics	3
AEM 341	Aerospace Structures ²	3
AEM 368	Flight Dynamics & Control I ²	4
Total Hours		20

¹ These mechanics courses have AEM 201 Statics and various Math prerequisites.

² These two courses have prerequisites required of BSAE students but not necessarily of students from other degree programs. No equivalent for AEM 249 Algorithm Devl Implementation is required of non-BSAE students. ME 349 Engineering Analysis may substitute for AEM 349 Engineering Analysis for BSME students as a prerequisite for AEM 368 Flight Dynamics & Control I. Other students will need to have a numerical analysis/algorithms background for AEM 368 Flight Dynamics & Control I. Suitability of a student's background will be determined by the AEM department on a case-by-case basis.

Minors for College of Engineering Students

A student majoring in an engineering program may earn a minor in engineering or 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 Commerce and Business Administration. 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 grade point average 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.

Procedure for Minor Selection by Engineering Students

1. Log in to your myBama account.
2. Select the Student tab.
3. Click Change of Major/Minor Application.
4. Click Change Program.
5. Select a minor from the menu.
6. Click Continue.

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 adviser 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 adviser 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.

Department of Chemical and Biological Engineering

- Major
 - Chemical and Biological Engineering (BSChE) (p. 506)

Chemical and Biological Engineering Honors Program

The departmental honors program complements programs offered through the UA's Honors College (CBH, IHP). 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 as other designated 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 grade point average of 3.3 or better and 28 ACT/1240 SAT
- Current UA students: cumulative UA grade point average 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 grade point average 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)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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.

CHE225 Chemical & Biological Engineering 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

[View All Courses](#)

Faculty**Interim Department Head**

Brazel, Christopher S.

Professors

Arnold, David W.

Gupta, Arunava

Lane, Alan M.

Turner, C. Heath

Van Zee, John W.

Wiest, John M.

Associate Professors

Bara, Jason E.

Bao, Yiping

Carlson, Eric S.

Brazel, Christopher S.

Klein, Tonya M.

Ritchie, Stephen M. C.

Assistant Professors

Huang, Qiang

Kim, Yonghyun John

Liu, X. Margaret

Peng, Qing

Rao, Shreya S.

Summers, Ryan M.

Adjunct Professors

Clark, Peter E.

Weaver, Mark L.

Instructor

Kherfan, Sadeddin

Chemical and Biological Engineering, BSChE

Chemical engineering students often have strong interests in math, chemistry, physics and biology. These subjects are often combined together and encountered throughout our curriculum. Overall, chemical engineering students are often 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 including catalysis; 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 and biological 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 alike, and
- Make decisions that are ethical, safe and environmentally-responsible.

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 and Biological 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 Vienna, 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.

Scholars 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 similar PhD scholars 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.

C- Pre-Requisite Rule

The Department of Chemical and Biological Engineering requires a grade of "C-" or better be earned in all courses that are pre-requisites to ChE classes. 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.

Chemical and Biological Engineering 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
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	3	History (HI) or Social and Behavioral Sciences (SB) Elective	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	Summer	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	3	Career Elective (see advisor)	3		
Humanities (HU), Literature (L), Fine Arts (FA) Elective	3	History (HI) or Social and Behavioral Sciences (SB) Elective	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 or 540	3
	15	15
Total Hours: 127		

¹ EC 110 Principles of Microeconomics is a recommended SB course.

² Some undergraduates may qualify to enroll in 500-level courses.

³ CHE 323 Operations Laboratory can be replaced by taking both academic year labs: CHE 321 Basic Chemical Engineering Laboratory and CHE 322 Unit Operations Laboratory, spring of junior year and fall of senior year.

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	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	4
PH 105 or 125	4	CHE 255	4
History (HI) or Social and Behavioral Sciences (SB) Elective	3	MATH 238	3
	18		16

Junior

Fall	Hours	Spring	Hours	Summer	Hours
CH 338	2	CHE 305	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		
	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 or 540	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: 131

- ¹ EC 110 Principles of Microeconomics is a recommended SB course.
- ² Some undergraduates may qualify to enroll in 500-level courses.
- ³ CHE 323 can be replaced by Academic Year Labs CHE 321 and CHE 322.

Students find careers in the following industries: petroleum, pulp and paper, fine chemicals, pharmaceuticals, medical field, environmental.

Types of Jobs Accepted

Our chemical engineering students are often 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 and at leading academic institutions. We have had alumni obtain faculty positions at MIT, CEOs at Fortune 500 companies, senior technical officers in the medical field, and become prominent judges. Many of our alumni stay connected with our department, including service on our Industrial Advisory Board.

Learn more about opportunities in this field at the Career Center

Department of Civil, Construction and Environmental Engineering

Office: 260 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. 510)
- Civil Engineering (BS) (p. 511)
- Construction Engineering (BS) (p. 513)
- Environmental Engineering (BS) (p. 516)
- Minors
 - Architectural Engineering (p. 511)
 - Civil Engineering (p. 513)
 - Construction Engineering (p. 515)
 - Environmental Water and Resources Engineering (p. 515)
 - Structural Engineering (p. 516)
 - Transportation Engineering (p. 517)
- Certificates
 - Construction Management (p. 515)
 - Environmental Engineering (p. 516)

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 sky scrapers, 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 two undergraduate majors, the bachelor of science in civil engineering (BSCE) and the bachelor of science in construction engineering (BSConE). Additionally, students may elect to supplement their degree with one of the department minors: architectural engineering, civil engineering (for non-civil majors), construction engineering (for non-construction majors), environmental and water resources engineering, 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:

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 Problems. 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 one of the three University-wide honors programs (University Honors Program, Computer-Based Honors Program or International Honors Program).

Students interested in the Civil, Construction and Environmental Engineering Departmental Honors Program should contact the department office or their academic advisers for further details.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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
SB

Hours 3

Permitting, environmental impact statements and other environmental issues associated with human activities and engineering projects.

Social and Behavioral Sciences

View All Courses

Faculty

Department Head

Back, W. Edward

Director, Undergraduate Programs

Williamson, Derek G.

Director, Graduate Programs

Graettinger, Andrew

Director, Environmental Institute

Ernest, Andrew

Director, Center for Sustainable Infrastructure

Back, Edward W.

Director, University Transportation Center for Alabama

Lindly, Jay K.

Director, Large Scale Structures Laboratory

Kreger, Michael

Professors

Amirkhanian, Serji

Back, Edward W.

Batson, Robert G.

Durrans, S. Rocky

Ernest, Andrew

Fridley, Kenneth J.

Johnson, Pauline D.

Kreger, Michael

Lindly, Jay K.

Moynihan, Gary P.

Associate Professors

Graettinger, Andrew

Johnson, Philip W.

Jones, Steven, Jr.

Richardson, James A.

Tootle, Glenn

Wang, Jialai

Williamson, Derek G.

Assistant Professors

Dao, Thang N.

Elliott, Mark

Giannini, Eric

Hainen, Alexander

Marks, Eric

Song, Wei

Vereen, Stephanie

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.

Architectural Engineering Curriculum

Freshman

Fall	Hours Spring	Hours
CE 121	1 ENGR 171	1
MATH 125	4 MATH 126	4
ENGR 103 or ART 131	3 PH 105	4
EN 101	3 EN 102	3
CH 101	4 History (HI) or social and behavioral sciences (SB) elective	3
	15	15

Sophomore

Fall	Hours Spring	Hours
CE 260	2 CE 262	3
AEM 201	3 AEM 250	3
MATH 227	4 AEM 264	3
GES 255	3 MATH 238	3
Approved natural science (N) elective	3 PH 106	4
	15	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	3 History (HI) or social and behavioral sciences (SB) elective	3
	15	16

Senior

Fall	Hours Spring	Hours
Senior (plan of study) elective	3 CE 403	4
CE 433	3 CE 462	3
ME 407	3 Senior Plan of Study Elective	3
Humanities (H), literature (L), or fine arts (FA) elective	3 Senior Plan of Study Elective	3
COM 123	3 Humanities (H), literature (L), or fine arts (FA) elective	3
	15	16

Total Hours: 123

¹ Recommendations:

- CE 220 Society Infrastruct & Environm and EC 110 Principles of Microeconomics as an SB
- Foreign language as an HU

- ² BSC 114 Principles Of Biology I/BSC 115 Laboratory 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
 CH 102 General Chemistry

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 and message boards.

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 and certificate programs. For additional information regarding any of the minors or certificates offered by the department, please contact the Department of Civil, Construction and Environmental Engineering; Room 260, H.M. Comer Hall; (205) 348-6550. Related department policies and updates of catalog information are posted on the department website and message boards.

	Hours
Required Courses	
CE 331 Intro to Structural Eng.	0-3
CE 366 Introduction to Construction Engineering	3
CE 401 or CE 403 Capstone Design: Site Development	4
CE 403 Capstone Design: Building Systems	

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 stand up against the forces of nature, and how they are built. 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 Objectives

The objectives of The University of Alabama bachelor of science in civil engineering (BSCE) and bachelor of science in construction engineering (BSConE) programs are to graduate students who are in demand by employers and graduate programs and who lead fulfilling professional careers through their abilities to:

- apply foundational knowledge of mathematics, science, humanities and social sciences in the professional practice of civil or construction engineering
- synthesize technical knowledge of engineering analysis and design to identify, formulate and solve civil or construction engineering problems
- demonstrate the professional practice skills needed to be successful in civil or construction engineering

Student Learning Outcomes

The BSCE and BSConE student learning outcomes are formulated into three categories:

Foundational Outcomes

1. Solve problems in mathematics through differential equations, probability and statistics, calculus-based physics, general chemistry, and one additional area of science.
2. Explain the importance of
 - a. humanities, literature and fine arts, and
 - b. history and social behavior in the professional practice of civil or construction engineering.

Technical Outcomes

1. Analyze and solve problems in material science and engineering mechanics.
2. Select and conduct program-relevant civil or construction engineering experiments to meet a need, and analyze and evaluate the resulting data.
3. Apply relevant knowledge, techniques, skills and modern engineering tools to identify, formulate and solve engineering problems, including:
 - for the BSCE – problems in at least four technical areas appropriate to civil engineering
 - for the BSConE – problems in construction processes, communications, methods, materials, systems, equipment, planning, scheduling, safety, economics, accounting, cost analysis and control, decision analysis, and optimization
4. Explain the impact of historical and contemporary issues on civil or construction engineering.
5. Develop solutions to well-defined project management problems within civil or construction engineering.
6. Design a system or process in more than one program-relevant civil or construction engineering specialty field to meet desired needs, including sustainability and within other realistic constraints such as economic, environmental, social, political, ethical, health and safety, and constructability.
7. Explain key aspects of at least one traditional or emerging program-relevant area of advanced specialization.

Professional Practice Outcomes

1. Analyze a situation involving multiple conflicting professional, legal and ethical interests to determine an appropriate course of action.

2. Organize and deliver effective written, verbal, graphical and virtual communications.
3. Demonstrate the ability to learn through independent study, without the aid of formal instruction.
4. Demonstrate attributes supportive of the professional practice of engineering, apply leadership principles to direct the efforts of a small group to solve a relatively constrained problem, and function effectively as a member of a multidisciplinary team to solve open-ended engineering problems.
5. Explain the importance of licensure and basic concepts in engineering management, business, law, public administration, public policy and globalization as related to the professional practice of civil or construction engineering.

All students are strongly encouraged to prepare for and pass the Fundamentals of Engineering (FE) examination prior to graduation.

Civil Engineering Curriculum

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 for a list of approved senior design electives, including approved design-designated (D), professional practice (P) and general technical (G) electives.

Freshman

Fall	Hours Spring	Hours
CE 121	1 ENGR 171	1
ENGR 103 or ART 131	3 MATH 126	4
MATH 125	4 PH 105	4
EN 101	3 EN 102	3
CH 101	4 History (HI) or social and behavioral sciences (SB) elective	3
	15	15

Sophomore

Fall	Hours Spring	Hours
CE 260	2 CE 262	3
AEM 201	3 AEM 250	3
MATH 227	4 AEM 264	3
Approved natural science (N) elective	4 MATH 238	3
Humanities (H), literature (L), or fine arts (FA) elective	3 PH 106 or CH 102	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 or ME 216	3
History (HI) or social and behavioral sciences (SB) elective	3 History (HI) or social and behavioral sciences (SB) elective	3
	16	15

Senior		
Fall	Hours Spring	Hours
Senior (plan of study) electives	9 CE 401 or 403	4
COM 123	3 Senior (plan of study) electives	9
GES 255	3 Humanities (H), literature (L), or fine arts (FA) elective	3
	15	16

Total Hours: 124

¹ A six-hour sequence in either HI/SB or HU/L/FA core classes is required. 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: CH 102 General Chemistry, BSC 114 Principles Of Biology I /BSC 115 Laboratory Biology I, 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, and GEO 104 Hazardous Earth.

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 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.

Students must take either CE 121 Intro Civil Constrctn Envir Eg or ENGR 111 Engineering for the Future (1 hour). Prerequisite for ENGR 111 Engineering for the Future is MATH 110 Finite Mathematics (so students are taking MATH 112 Precalculus Algebra or MATH 113 Precalculus Trigonometry or MATH 115 Precalc Algebra & Trig or Calculus or higher).

Related department policies and updates of catalog information are posted on the department website and message boards.

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 and certificate programs. For additional information regarding any of the minors or certificates offered by the department, please contact the department of civil, construction and environmental engineering; Room 260, H.M. Comer Hall; (205) 348-6550. Related department policies and updates of catalog information are posted on the department website and message boards.

		Hours
Required Courses		
CE 320	Intro Environmental Engineerg	3
CE 331	Intro to Structural Eng.	0-3
CE 340	Geotechnical Engineering	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		22-25

Construction Engineering, BS

Those who like to build things and figure out ways to do so more quickly, with less waste materials, major in construction engineering. Those who like to work with people on projects, bringing others' interests and ideas together with their own become construction engineers, enjoying being part of a team that creates the cities and communities in which they live and work.

Program Objectives

The objectives of The University of Alabama bachelor of science in civil engineering (BSCE) and bachelor of science in construction engineering (BSConE) programs are to graduate students who are in demand by employers and graduate programs and who lead fulfilling professional careers through their abilities to:

- apply foundational knowledge of mathematics, science, humanities and social sciences in the professional practice of civil or construction engineering
- synthesize technical knowledge of engineering analysis and design to identify, formulate and solve civil or construction engineering problems
- demonstrate the professional practice skills needed to be successful in civil or construction engineering

Student Learning Outcomes

The BSCE and BSConE student learning outcomes are formulated into three categories:

Foundational Outcomes

1. Solve problems in mathematics through differential equations, probability and statistics, calculus-based physics, general chemistry, and one additional area of science.

2. Explain the importance of
 - a. humanities, literature and fine arts, and
 - b. history and social behavior in the professional practice of civil or construction engineering.

Technical Outcomes

1. Analyze and solve problems in material science and engineering mechanics.
2. Select and conduct program-relevant civil or construction engineering experiments to meet a need, and analyze and evaluate the resulting data.
3. Apply relevant knowledge, techniques, skills and modern engineering tools to identify, formulate and solve engineering problems, including:
 - for the BSCE – problems in at least four technical areas appropriate to civil engineering
 - for the BSConE – problems in construction processes, communications, methods, materials, systems, equipment, planning, scheduling, safety, economics, accounting, cost analysis and control, decision analysis, and optimization
4. Explain the impact of historical and contemporary issues on civil or construction engineering.
5. Develop solutions to well-defined project management problems within civil or construction engineering.
6. Design a system or process in more than one program-relevant civil or construction engineering specialty field to meet desired needs, including sustainability and within other realistic constraints such as economic, environmental, social, political, ethical, health and safety and constructability.
7. Explain key aspects of at least one traditional or emerging program-relevant area of advanced specialization.

Professional Practice Outcomes

1. Analyze a situation involving multiple conflicting professional, legal and ethical interests to determine an appropriate course of action.
2. Organize and deliver effective written, verbal, graphical and virtual communications.
3. Demonstrate the ability to learn through independent study, without the aid of formal instruction.
4. Demonstrate attributes supportive of the professional practice of engineering, apply leadership principles to direct the efforts of a small group to solve a relatively constrained problem, and function effectively as a member of a multidisciplinary team to solve open-ended engineering problems.
5. Explain the importance of licensure and basic concepts in engineering management, business, law, public administration, public policy and globalization as related to the professional practice of civil or construction engineering.

All students are strongly encouraged to prepare for and pass the Fundamentals of Engineering (FE) examination prior to graduation.

Freshman

Fall	Hours Spring	Hours
CE 121 or ENGR 111	1 ENGR 171	1
ENGR 103	3 MATH 126	4
MATH 125	4 PH 105	4
EN 101	3 EN 102	3

CH 101	4 History (HI) or social and behavioral sciences (SB) elective	3
	15	15

Sophomore

Fall	Hours Spring	Hours
CE 260	2 CE 262	3
AEM 201	3 AEM 250	3
MATH 227	4 AEM 264	3
Approved natural science (N) elective	4 MATH 238	3
Humanities (H), literature (L), or fine arts (FA) elective	3 PH 106 or CH 102	4
	16	16

Junior

Fall	Hours Spring	Hours
CE 366	3 CE 463	3
CE 340	4 CE 462	3
CE 331	3 CE 418	3
Engineering systems elective	3 Engineering systems elective	3
History (HI) or social and behavioral sciences (SB) elective	3 History (HI) or social and behavioral sciences (SB) elective	3
	16	15

Senior

Fall	Hours Spring	Hours
CE 468	3 CE 464	3
CE 461	3 CE 401 or 403	4
GES 255	3 Senior (plan of study) electives	6
Senior (plan of study) elective	3 Humanities (H), literature (L), or fine arts (FA) elective	3
COM 123	3	
	15	16

Total Hours: 124

- ¹ Approved natural science (N) electives include: BSC 114 Principles Of Biology I, BSC 115 Laboratory Biology I, GEO 101 The Dynamic Earth, ECE 320 Fundmtl Electrical Engr, ME 216 Thermal Engineering Survey, AEM 311 Fluid Mechanics and GY 102 Earth Surface Processes.
- ² A six-hour sequence in either HI/SB or HU/L/FA core classes is required. 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.
- ³ Students must complete six hours of systems electives chosen from: ECE 320 Fundmtl Electrical Engr, ME 216 Thermal Engineering Survey and AEM 311 Fluid Mechanics.
- ⁴ Please see an adviser prior to enrolling. Co-op experience may be substituted with prior approval. See an adviser for additional information.

- ⁵ 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.

Students must take either CE 121 Intro Civil Constrctn Envir Eg or ENGR 111 Engineering for the Future. Prerequisite for ENGR 111 Engineering for the Future is MATH 110 Finite Mathematics (so students are taking MATH 112 Precalculus Algebra or MATH 113 Precalculus Trigonometry or MATH 115 Precalc Algebra & Trig or calculus or higher).

Students should take ENGR 103 Engineering Foundations. Students no longer take ENGR 131 Eng. Concepts & Design I, ENGR 141 Eng. Concepts & Design II and ENGR 151 Fundamental Eng. Graphics (this course replaces those three one-hour courses). Prerequisite for ENGR 103 Engineering Foundations is MATH 113 Precalculus Trigonometry or MATH 115 Precalc Algebra & Trig (the students must be in Calculus or higher).

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 and message boards.

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 and certificate programs. For additional information regarding any of the minors or certificates

offered by the department, please contact the Department of Civil, Construction and Environmental Engineering; Room 260, H.M. Comer Hall; (205) 348-6550. Related department policies and updates of catalog information are posted on the department website and message boards.

Minor Courses

CE 366	Introduction to Construction Engineering	3
CE 464	Safety 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

Approved Electives

Select six hours ¹	6
Total Hours	18

- 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.

Construction Management, Certificate

The department offers a suite of minors and certificate programs. For additional information regarding any of the minors or certificates offered by the department, please contact the department of civil, construction and environmental engineering; Room 260, H.M. Comer Hall; (205) 348-6550. Related department policies and updates of catalog information are posted on the department website and message boards.

The certificate in construction management is primarily designed for non-engineering majors. The certificate is noted on transcripts and is awarded to students who complete 12 hours of construction management courses from the approved list. Many of these courses are commonly acceptable for credit toward the degree; however, of the 12 hours, at least six must be in addition to the student's bachelor degree requirements. Please see an adviser for a list of approved environmental engineering certificate courses. Other courses may be approved by petition.

Environmental and Water Resources Engineering, Minor

The department offers a suite of minors and certificate programs. For additional information regarding any of the minors or certificates offered by the department, please contact the Department of Civil, Construction and Environmental Engineering; Room 260, H.M. Comer Hall; (205) 348-6550. Related department policies and updates of catalog information are posted on the department website and message boards.

Required Courses	12
CE 320	Intro Environmental Engineerg
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.

Environmental Engineering Curriculum

Freshman

Fall	Hours Spring	Hours
CE 121	1 ENGR 171	1
MATH 125	4 MATH 126	4
ENGR 103 or ART 131	3 PH 105	4
EN 101	3 EN 102	3
CH 101	4 History (HI) or social and behavioral sciences (SB) elective	3
	15	15

Sophomore

Fall	Hours Spring	Hours
CE 260	2 CE 262	3
AEM 201	3 AEM 250	3
MATH 227	4 AEM 264	3
GES 255	3 MATH 238	3
Approved natural science (N) elective	4 CH 102	4
	16	16

Junior

Fall	Hours Spring	Hours
CE 320	3 CE 340	4
BSC 114	3 CE 378	3
BSC 115	1 CE 425	3
AEM 311	3 ME 216	3
COM 123	3 History (HI) or social and behavioral sciences (SB) elective	3
History (HI) or social and behavioral sciences (SB) elective	3	
	16	16

Senior

Fall	Hours Spring	Hours
Senior (plan of study) elective	3 CE 401 or 403	4
Senior (plan of study) elective	3 Senior (plan of study) elective	3
CE 424	3 CE 422	3
CE 475	3 CE 420	3
Humanities (H), literature (L), or fine arts (FA) elective	3 Humanities (H), literature (L), or fine arts (FA) elective	3
	15	16

Total Hours: 125

¹ Recommendations: CE 220 Society Infrastruct & Environm and EC 110 Principles of Microeconomics as an SB or Foreign language as an HU.

² Note: Science Elective must be an "Earth" science. Approved natural science (N) electives include GEO 101 The Dynamic Earth, GEO 102 The Earth Through Time, GEO 104 Hazardous Earth, GEO 105 Sustainable Earth, GY 101 Atmospheric Proc & Patterns, and GY 102 Earth Surface Processes.

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 and message boards.

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

Environmental Engineering, Certificate

The department offers a suite of minors and certificate programs. For additional information regarding any of the minors or certificates offered by the department, please contact the Department of Civil, Construction and Environmental Engineering; Room 260, H.M. Comer Hall; (205) 348-6550. Related department policies and updates of catalog information are posted on the department website and message boards.

Engineering students may earn the certificate in environmental engineering in addition to their bachelor of science (BS) degree. Students must complete 12 hours of environmental engineering courses from an approved list. Many of these courses are commonly acceptable for credit toward the BS degree; however, of the 12 hours, at least six must be in addition to the BS degree requirements. Please see an adviser for a list of approved environmental engineering certificate courses. Other courses may be approved by petition.

Structural Engineering, Minor

The department offers a suite of minors and certificate programs. For additional information regarding any of the minors or certificates offered by the department, please contact the Department of Civil, Construction and Environmental Engineering; Room 260, H.M. Comer Hall; (205) 348-6550. Related department policies and updates of catalog information are posted on the department website and message boards.

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	3
Total Hours	15

Transportation Engineering, Minor

The department offers a suite of minors and certificate programs. For additional information regarding any of the minors or certificates offered by the department, please contact the Department of Civil, Construction and Environmental Engineering; Room 260, H.M. Comer Hall; (205) 348-6550. Related department policies and updates of catalog information are posted on the department website and message boards.

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	9
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. 517)
- Minors
 - Computer Science (p. 519)
 - Computing Technology and Applications (p. 520)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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, student 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 100 or CBH 102 or (CS 150 and ECE 285)) and (MATH 125 or MATH 145)

Computer Science

[View All Courses](#)

Faculty

Professor and Department Head

Cordes, David W.

Professors

Brown, David B.

Gray, Jeff

Xiao, Yang

Associate Professor

Anderson, Monica

Borie, Richard B.

Carver, Jeffrey

Dixon, Brandon

Hong, Xiaoyan

Lusth, John

Smith, Randy K.

Vrbsky, Susan V.

Zhang, Jingyuan

Instructors

Rebecca Odom-Bartel

Dixon, Leslie

Hooper, Dana

Hooper, Ralph E.

Morris, Kathleen

Marc Skipwith

Watson, Jennifer

Wright, Kimberly

Computer Science, BS

Computing touches everyone's daily lives – the results of Computer Scientists can be found not only video games, smartphones, and the latest animated movie, but also can 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 positively 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 set of educational objectives describes 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
- behave in a professional and ethical manner
- communicate effectively both orally and in writing
- work successfully in both independent and team environments

In addition, the following set of student outcomes describes what students are expected to know and do by graduation:

- apply knowledge of computing and mathematics appropriate to the discipline
- analyze a problem and identify and define the computing requirements appropriate to its solution
- design, implement and evaluate a computer-based system, process, component or program to meet desired needs
- function effectively in teams to accomplish a common goal
- understand professional, ethical, legal, security and social issues and responsibilities
- communicate effectively with a range of audiences
- analyze the local and global impact of computing on individuals, organizations and society
- recognize the need for and engage in continuing professional development
- use current techniques, skills and tools necessary for computing practice
- apply mathematical foundations, algorithmic principles and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices
- apply design and development principles in the construction of software systems of varying complexity

Students may substitute CS 499 Undergraduate Thesis Research for the capstone project course upon adviser approval.

Freshman		
Fall	Hours Spring	Hours
EN 101	3 EN 102	3
CS 100 (Computer Science I)	4 CS 101 (CS II for Majors)	4
ENGR 111 or CS 121	1 ENGR 103	3
MATH 125	4 MATH 126	4

HI/SB elective	3	
	15	14

Sophomore		
Fall	Hours Spring	Hours
CS 200 (Software Design and Engineering)	4 CS 201 (Data Structures & Algorithms)	4
ECE 380	4 ECE 383	4
MATH 301	3 MATH 302	1
HU/L/FA elective	3 HU/L/FA elective	3
	Approved Nat Science (N) Elective	4
	14	16

Junior		
Fall	Hours Spring	Hours
CS 403	3 CS 426	3
CS 475	3 CS 457	3
GES 255 or ST 450	3 MATH 237	3
HI/SB Elective	3 Complete the sequence of HI/SB or HU/L/FA electives	3
Free elective	3 Free elective	3
	15	15

Senior		
Fall	Hours Spring	Hours
Computer Science elective, 400 level	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 Free electives	8
HU/L/FA or HI/SB elective to complete 3rd course in each category.	3	
Free elective	3	
	16	15

Total Hours: 120

¹ Students must complete a sequence of two of the HU/L/FA or HI/SB elective courses from the same department.

² Free electives may be chosen from any course offered at UA, with the exception of CS 102 Microcomputer Applications and mathematics courses lower than MATH 125 Calculus I.

Approved Natural Science Electives

Approved Natural Science (N) electives must be chosen from majors courses. Potential courses include:

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 CH 117	General Chemistry Honors General Chemistry	4
CH 102 or CH 118	General Chemistry 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

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 12 hours of 400 level software engineering classes, chosen from an approved list. Students who successfully complete this concentration will have the designation indicated in their transcripts.

To complete this concentration, a student must complete the following courses within the Computer Science portion of their B.S. curriculum:

Required Courses

AY 101 & AY 102	Intro To Astronomy and Intro Astronomy Lab	4
AY 203 & AY 204	Observational Astronomy and Solar System Astronomy	5
BSC 114 & BSC 115	Principles Of Biology I and Laboratory Biology I	4
BSC 116 & BSC 117	Principles Biology II and Biology II Laboratory	4
CH 101 or CH 117	General Chemistry Honors General Chemistry	4
CH 102 or CH 118	General Chemistry 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	General Physics W/Calc I	4

PH 125	Honors Gen Ph W/Calculus	
PH 106 or PH 126	General Physics W/Calc II Honors Gen Ph W/Calculus II	4
Total Hours		61

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 six of these course hours replace six hours of CS electives, and the other six hours can be taken from the free electives in the B.S in CS curriculum.

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.

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, AT&T and Walmart.

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

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 adviser, students should complete the Declaration of Minor form before or during the third year of full-time enrollment.

		Hours
Minor Courses		
CS 121	The Discipline of Computing	1
CS 100	CS I for Majors (CS I)	4
CS 101	CS II for Majors (CS II for Majors)	4
CS 200	Software Design and Engineering (Software Design & Engineering)	4
MATH 301	Discrete Mathematics	3
CS 201	Data Structures and Algorithms (Data Structures & Algorithms)	4
Credit Hours Subtotal:		20
Ancillary Courses		

MATH 125	Calculus I	4
MATH 302	Topics in Discrete Mathematics	1
Credit Hours Subtotal:		5
Total Hours		25

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 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 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 adviser 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.

Minor Courses		Hours
CS 102	Microcomputer Applications	3
Select one of the following sequences:		6
CS 202	Intro to the Internet	
& CS 205	and Web Site Design	
CS 285	Microcomputer Appl II	
& CS 385	and Prototyping In Visual Environm	
CS 302	Computerized Database Systems	
& CS 305	and Advanced Computerized Database Systems	
CS 340	Legal & Ethical Issues in Comp	
& CS 345	and Advanced Legal and Ethical Issues in Computing	
Select nine hours of additional courses offered by the Computer Science Department. Most students select nine hours of the following:		9
CS 202	Intro to the Internet	
CS 205	Web Site Design	
CS 285	Microcomputer Appl II	
CS 302	Computerized Database Systems	
CS 305	Advanced Computerized Database Systems	

CS 340	Legal & Ethical Issues in Comp	
CS 345	Advanced Legal and Ethical Issues in Computing	
CS 385	Prototyping In Visual Environm	
CS 391	Special Topics ¹	
Total Hours		18

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:

CS 202	Intro to the Internet	3
CS 205	Web Site Design	3
CS 285	Microcomputer Appl II	3
CS 302	Computerized Database Systems	3
CS 340	Legal & Ethical Issues in Comp	3
CS 345	Advanced Legal and Ethical Issues in Computing	3
CS 385	Prototyping In Visual Environm	3

Students who pass the CS 102 Microcomputer Applications placement test must still complete 18 hours of CS coursework.

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

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

Electrical engineering, the largest of the engineering fields, is the application of mathematics, sciences and electrical and electronic technologies to the needs of society. This broad and diverse discipline touches almost every aspect of people's lives and occupations, from communication systems such as cellular phones, radio, television and the Internet to computer systems, including personal computers and the hidden processors that control automobiles and household appliances.

Electrical and computer engineering at The University of Alabama offer 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 the computer engineering option specialize in the software and hardware components of modern computing 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 utilize 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.

- Major
 - Electrical Engineering (BSEE) (p. 521)
- Minor
 - Electrical Engineering (p. 523)

The faculty output is controlled using the 'Faculty List' step in the toolbar.
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 and PH 126, MATH 227 and MATH 238

[View All Courses](#)

Faculty

Department Head

Haskew, Tim

Alabama Power Endowed Professor

Burkett, Susan

E.A. Larry Drummond Endowed Chair of Computer Engineering

Hong, Yang-Ki

Professors

Balasubramanian, Bharat

Haskew, Tim

Jackson, Jeff

Associate Professors

Abu Qahouq, Jaber

Hu, Fei

Kim, Seongsin

Kotru, Sushma

Kung, Patrick

Li, Dawen

Li, Shuhui

Ricks, Kenneth

Sazonov, Edward

Scharstein, Robert

Assistant Professors

Cakareski, Jakov

Freeborn, Todd

Lemmon, Andrew

Song, Aijun

Electrical Engineering, BSEE

Students who are interested in math and physics are often well-suited for study in electrical and computer engineering. Many ECE students have interests in computing and in hands-on projects with electrical and electronic devices such as household wiring, audiovisual equipment, automobiles, electric motors and much more. Students develop critical thinking and problem solving skills throughout their studies. In addition, they develop their ability to apply their knowledge of mathematics, science and general engineering to attack technical issues associated with electro-technology.

Program Educational Objectives and Program Outcomes

The mission of the undergraduate electrical engineering and computer engineering programs is to provide high-quality and broad-based education in electrical engineering or 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 electrical and computer engineering undergraduate programs. 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 or 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 electrical and 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 program outcomes and associated assessments to demonstrate that, by graduation, students have:

- an ability to apply the necessary knowledge of mathematics, science and engineering to analyze and design electrical and electronic devices, as well as software and systems containing hardware and software components, as appropriate to program objectives

- an ability to design and conduct experiments, as well as analyze and interpret data
- an ability to design a system, component or process to meet desired needs
- an ability to function on multidisciplinary teams
- an ability to identify, formulate and solve engineering problems
- an understanding of professional and ethical behavior
- an ability to communicate effectively in oral, written and graphical formats
- the broad education necessary to understand the impact of electrical or computer engineering solutions in a global, societal and environmental context consistent with the principles of sustainable development
- a recognition for the need for and an ability to engage in lifelong learning
- a knowledge of contemporary issues
- an ability to use the techniques, skills and modern engineering tools necessary for engineering practice
- knowledge of probability and statistics, specifically applied to problems in electrical or computer engineering
- for electrical engineering graduates, knowledge of advanced mathematics, typically including differential equations, linear algebra, complex variables and discrete mathematics; for graduates with the computer engineering option, knowledge of discrete mathematics

The information contained here describes the undergraduate curricula in electrical engineering and computer engineering. Graduate students and students participating in the Scholars Program 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 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, systems and electromagnetics. The last year of study includes technical electives to allow students to concentrate in selected areas of the discipline. For seniors, the department offers advanced courses in computers, communication, control, electromagnetics, microelectronics, materials and power.

Students must select two electrical engineering electives with labs. The elective areas are computers, microelectronics, electromagnetics, power systems, communication systems and control systems. Materials that describe each area are available in the electrical and computer engineering office.

Freshman

Fall	Hours Spring	Hours
CH 101	4 PH 105	4
MATH 125	4 MATH 126	4
ENGR 111 or ECE 121	1 ENGR 103	3
EN 101	3 EN 102	3
Humanities (HU), literature (L), or fine arts (FA) elective	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	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 Select one of the following:	3
Humanities (HU), literature (L), or fine arts (FA) elective	3 PH 301	
	ECE 330	
	ECE 455	
	History (HI) or social and behavioral sciences (SB) elective	3
	17	16

Senior

Fall	Hours Spring	Hours
ECE 340	4 ECE or Professional elective	4
Restricted Area Elective	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	3 History (HI) or social and behavioral sciences (SB) elective	3
	16	16

Total Hours: 126

- 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 Restricted Area Elective must be chosen from the list approved by the Department of Electrical and Computer Engineering.
- ⁴ The Professional Elective must be chosen from the list approved by the Department of Electrical and Computer Engineering.

Computer Engineering Option in Electrical Engineering

The computer engineering option is offered within the electrical engineering department in order to give 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. A primary goal of the program is to

prepare the student for a computer-oriented engineering career with emphasis on computer applications within various subdisciplines of electrical engineering.

The computer engineering option includes a broad spectrum of electrical engineering and computer science courses, as well as electives to allow the student to study a specific area in depth and to gain additional design experience. Areas of specialization may include computer architecture, integrated circuit design, microprocessor-based systems, sensor networks, image processing, robotics and applications-oriented study in other disciplines of electrical engineering.

Freshman

Fall	Hours Spring	Hours
CH 101	4 PH 105	4
MATH 125	4 MATH 126	4
ENGR 111 or ECE 121	1 ENGR 103	3
EN 101	3 EN 102	3
Humanities (HU), literature (L), or fine arts (FA) elective	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	3
	15	17

Junior

Fall	Hours Spring	Hours
History (HI) or social and behavioral sciences (SB) elective	3 History (HI) or social and behavioral sciences (SB) elective	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	3 History (HI) or social and behavioral sciences (SB) elective	3
ECE 333	4 Restricted Area Elective	3
ECE 492	2 ECE 494	2
ECE 480	3 Professional or Restricted Area Elective	3
ECE 481	1 ECE 486	3
ECE 484	3 ECE 487	1
	16	15

Total Hours: 123

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 Restricted Area Elective must be chosen from the list approved by the Department of Electrical and Computer Engineering.

⁴ The Professional Elective must be chosen from the list approved by the Department of Electrical and Computer Engineering.

Electrical and Computer 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, and consumer products. The degree also provides an excellent background for graduate study in electrical or computer engineering as well as medicine and law.

Types of Jobs Accepted

Electrical and Computer Engineering graduates often gain entry-level positions as utility engineers, plant engineers, programmers, maintenance engineers, or as design engineers with engineering and consulting firms.

Jobs of Experienced Alumni

Alumni of the Electrical and Computer Engineering Department currently hold positions such as Distribution Manager, Alabama Power; Vice President, ADTRAN; and Senior Design Engineer, Radiance Technologies.

Learn more about opportunities in this field at the Career Center

Electrical Engineering, Minor

A student who is not a major in electrical engineering or the computer engineering option can earn a B.S. 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 are required to be met.
- At least 50% of the coursework required for the EE minor must be taken on the UA campus.

A student should apply for the EE minor prior to achieving senior standing in order to have sufficient time to complete all requirements. A student indicates his/her intent for the EE minor by completing the necessary steps online (DegreeWorks). Interested students may find that several of these ECE courses meet his/her department's required or technical electives options.

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.

- Majors
 - Mechanical Engineering (BSME) (p. 525)

Special Programs

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.

University Scholars Program

The department participates in the University Scholars Program (p. 273) where a student who meets qualifications as an honors student can apply to graduate school after the junior year and pursue the BS and MS simultaneously.

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 he/she 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.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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. Credit will not be given for this course for students who have passed ME 215.

Prerequisite(s): MATH 112 or MATH 113 or MATH 115 or MATH 125 or MATH 126 or MATH 145 or MATH 146 or MATH 227 or MATH 238.

Prerequisite(s) with concurrency: MATH 112 or 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

Interim Department Head and Director, Center for Advanced Vehicle Technology

Midkiff, Jr., K. Clark

Professor and Robert F. Barfield Endowed Chair

Agrawal, Ajay K.

Professors

Balasubramanian, Bharat, Executive Director, Center for Advanced Vehicle Technology

Chou, Y. Kevin

Guo, Yuebin

Shepard, Steve

Woodbury, Keith A.

Associate Professors

Ashford, Marcus

Fonseca, Daniel

Puzinauskas, Paul

Schreiber, Will

Shen, Xiangrong

Todd, Beth A.

Williams, Keith

Assistant Professor

Allison, Paul G.

Bittle, Joshua A.

Jordon, Brian

MacPhee, David W.

Mahmoodi, Seyed Nima

O'Neil, Zheng

Uddi, Mruthunjaya 'Jay'

Volkov, Alexey

Yoon, Hwan-Sik

Professors Emeriti

Barfield, Robert F.

Doughty, Julian O.

Evces, Charles R.

Harrisberger, Lee

Kavanaugh, Steve

Parker, Joey K.

Taylor, Robert P

Mechanical Engineering, BSME

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, 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 Educational Outcomes

The mechanical engineering program at The University of Alabama will demonstrate that its graduates have:

- an ability to apply knowledge of mathematics, science, and engineering
- an ability to design and conduct experiments, as well as to analyze and interpret data
- an ability to model, analyze, design, and realize a system, component, or process to meet ethical, health and safety, manufacturability and sustainability
- an ability to function on multidisciplinary teams
- an ability to identify, formulate and solve engineering problems

- an understanding of professional and ethical responsibility
- an ability to communicate effectively
- the broad education necessary to understand the impact of engineering solutions in a global economic, environmental and societal context
- a recognition of the need for, and an ability to engage in, life-long learning
- a knowledge of contemporary issues
- an ability to use the techniques, skills and modern engineering tools necessary for engineering practice
- an ability to apply advanced mathematics in both thermal and mechanical systems areas
- the ability to work professionally in both thermal and mechanical systems areas

Freshman

Fall	Hours Spring	Hours
CH 101	4 MATH 126	4
MATH 125	4 PH 105	4
Humanities (HU), literature (L), or fine arts (FA) elective or history (HI) and/or social behavioral sciences (SB) elective	3 ENGR 161	1
ME 121	1 ENGR 103	3
EN 101	3 EN 102	3
	15	15

Sophomore

Fall	Hours Spring	Hours
AEM 201	3 AEM 264	3
MATH 227	4 AEM 311	3
ME 215	3 MATH 238	3
PH 106	4 ME 305	3
Approved science elective	4 MTE 271	3
	18	15

Junior

Fall	Hours Spring	Hours
AEM 250	3 ME 350	4
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
Humanities (HU), literature (L), or fine arts (FA) elective or history (HI) and/or social behavioral sciences (SB) elective	3	
	16	16

Senior

Fall	Hours Spring	Hours
ME 450	3 ME 490	3
ME 460	4 Approved mechanical engineering or technical elective	3

ME 489	3 Approved mechanical engineering elective	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: 126

- 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.

Careers 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

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 and Materials Engineering (BS) (p. 527)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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.

MTE155 Energy, Environment and Materials

FS, N

Hours 4

This course will provide the science background today's citizens need to understand the problems and limitations society faces with respect to energy resources and the environment. Science concepts will be introduced as needed and within the context of energy, the environment, or materials. Students will be encouraged to critically analyze timely examples of energy usage or environmental problems from the news media. Students will gain an understanding of how engineering and technology, especially the development of new materials, can translate science to practical and beneficial outcomes.

Freshmen Seminar, Natural Science

View All Courses

Faculty

Interim Department Head

Weaver, Mark L.

ACIPCO Professor

Reddy, Ramana G.

Professors

Acoff, Viola L.

Gupta, Subhadra

Suzuki, Takao

Thompson, Gregory B.

Warren, Garry W.

Weaver, Mark L.

Associate Professor

Brewer, Luke N.

Nastac, Laurentiu

Assistant Professor

Li, Lin

Song, Jinhui

Professor Emeriti

Bradt, Richard C.

Stefanescu, Doru M.

Warren, Garry W.

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. The ability to apply knowledge of math, science and engineering principles to Metallurgical Systems.
2. The ability to design and conduct experiments.
3. The ability to analyze and interpret data and to prepare professional-style engineering reports.
4. The ability to design metallurgical systems, components or processes to meet necessary specifications, and understand the fundamental principles of the structure, processing, properties and performance of metallurgical systems.

5. The ability to function on multi-disciplinary teams.
6. The ability to identify, formulate and integrate the knowledge from each of the four elements of the field described in "d" to solve materials selection and design problems.
7. The ability to communicate effectively through writing and speaking.
8. A broad education necessary to understand the impact of engineering in a global economic, environmental and societal context.
9. A recognition of the need to engage in lifelong learning.
10. A knowledge of contemporary issues.
11. The ability to use techniques, skills and modern engineering tools necessary for engineering practice.
12. An understanding of professional and ethical responsibilities.

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	3		
	15		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	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		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: 125

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, 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, Chief Operating Officer, Senior Engineer, Technology Director, Systems Engineer Manager, Senior Process Engineer and Site Manager.

Learn more about opportunities in this field at the Career Center

COLLEGE OF HUMAN ENVIRONMENTAL SCIENCES

Department of Clothing, Textiles and Interior Design (p. 531)

Department of Consumer Sciences (p. 536)

Department of Health Science (p. 538)

Department of Human Development and Family Studies (p. 542)

Department of Human Nutrition and Hospitality Management (p. 547)

General Studies in HES, BS (p. 554)

Interdisciplinary Studies (p. 555)

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 grade point average) or better. The work must be completed in accordance with all other University and College regulations (see Multiple Degrees and Multiple Majors (p. 259) 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 Environmental 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 freshman).
- 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 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 advisers 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 their 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 adviser/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 adviser 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

Boschung, Milla D.

Executive Secretary

Klein, Rosemary

Senior Associate Dean

Usdan, Stuart

Assistant Dean

Meyer, Mary Kay

Peeples, Victoria

Director of Financial Affairs

Siders, Lorraine

Director of Development

Baker-Parton, Amy

Registrar

Kelly, Carmen

Head of Department of Clothing, Textiles, and Interior Design

Foster, Shirley

Head of Department of Health Science

Birch, David

Head of the Department of Human Development and Family Studies

Tingle, Carroll

Head of Department of Nutrition and Hospitality Management

Lawrence, Jeannine

Manager of Computer Laboratories and Services

Johnson, Stephen

Director of Child Development Resources

Kendrick, April

Director of the Children's Program

Owens, Linda

Program Director of RISE

Gillen, Andi

CHES Advisor

Carpenter, Karen

Schaefer, Kelly

Wilson, Andrea

Professors

Hernandez-Reif, Maria

Neggers, Yasmin

Robertson, Elizabeth

Turner, Lori

Wright, Ken

Associate Professor

Curtner-Smith, Mary Elizabeth

Knol, Linda

Koontz, Marcy

Leaver-Dunn, Deidre

McFadden, Anna C.

Nickelson, Joyce

Paschal, Angelia

Scofield, Jason

Severt, Kimberly

Thompson, Amanda

Tong, Xiao (Michelle)

Witte, Tricia

Assistant Professor

Berryhill, Blake

Bloom, Laura

Boyle, Kimberly

Burns-Nader, Sherwood

Casper, Deborah M

Chen, Hsiang-Ting

Choi, Shinae

Cook, Reuben

Crowe-White, Kristi

Downs, Karly

Ellis, Amy

Fulmer, Caroline

Gordon, Brian

Hibberd, Elizabeth

Jung, Seung Eun

Kim, Kyoung T.

Kissinger, Beverly

Knowlden, Adam

Komara, Blanche Cecile

Lewis, Melvin

Maki, Kristin

McGahey, Courtney

Niuh, Alvin

Peaslee, John

Pentecost, Eve

Reddoch, Kym

Shin, Yeon Ho

Sickler, Stephanie

Stran, Kim
 Tan, Libo
 Totenhagen, Casey
 Wilmarth, Melissa
 Wimberley, Virginia

Instructors

Blumenthal, Jason
 Bridgewater, Diane
 Crotwell, Terry
 Davis, Barbara
 Desalvo, Denise M.
 Faulkner, Cassandra
 Galloway, Hunter
 Greene, Lori
 Harcrow, Andy
 Leavelle, Lori
 Lee, Michelle
 McMahon, Shannon
 McMath, Juanita
 Robinson, Paula
 Taylor, Brian

Emeritus

Abdel-Ghany, Mohamed
 Balentine, Margaret
 Bolland, John
 Brakefield, Jan
 Callis, Carolyn
 Cook, Martha
 Darden, Leatha
 Edwards, Sally
 Enders, Linda
 Hancock, Shelley
 Hodge, William
 Hodges, Patricia
 Hudson, Carmen
 Jackson, Ernestine
 James, Dennis
 Jessee, Peggy
 Kendrick, Olivia
 Ladewig, Becky
 Lane, Ralph
 Luck, Cynthia

Maize, Roy
 Parker, Sue
 Price, Barrie Jo
 Roper, Lydia
 Stinnett, Nancy
 Stinnett, Nick
 Stitt, Kathleen
 Strickland, Martha
 Switzer, Mildred

Department of Clothing, Textiles and Interior Design

- Majors
 - Interior Design (BS) (p. 534)
 - Apparel and Textiles (BS) (p. 532)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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. Two lectures, one laboratory.

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. Two laboratories, one lecture.

[View All Courses](#)

Faculty

Chair

Foster, Shirley P.

Instructors

Davis, Babs
 Faulkner, Cassandra M.
 Lee, Michelle
 Robinson, Paula H.
 Taylor, Brian

Assistant Professor

Foster, Shirley P.
 Kissinger, Beverly A.
 Maki, Kristin
 Peaslee, John E.
 Sickler, Stephanie
 Tong, Michelle
 Wimberley, Virginia S.

Associate Professor

Koontz, Marcy L.

Thompson, Amanda

Adjuncts

Carol Kendrick

Silke Suhr

Darryl Thornton

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 utilized 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 Clothing and Textiles (AT) major offers two concentrations: Fashion Retail (p. 532) and Apparel Design (p. 532). (p. 532)

Students in both AT concentrations must take:

- 21 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

	Hours
CTD 102 Applied Design	3
CTD 261 Textiles	3
CTD 281 Fundamentals of the Fashion Industry	3
CTD 447 Text Apparel Intnat Trade	3
CTD 448 or History Of Costume	3
CTD 415 History Textile Design	
EC 110 Principles of Microeconomics	3
MKT 300 Marketing	3
Total Hours	21

Apparel Design Concentration for CT 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 2008.

All students interested in transferring into the apparel design concentration at The University of Alabama should contact the Department of Clothing, Textiles, and Interior Design one year prior to enrollment, if possible, to verify transfer credits and plan for a required portfolio review.

Transcripts, student work, project assignments and course syllabi are required at the time of the portfolio review. CTD 241 Apparel Construction is a prerequisite for CTD 245 Apparel Production, which is offered spring semester only. CTD 245 Apparel Production, CTD 349 Compt-Aid Apparel Design, CTD 350 Flat Pattern Design, CTD 351 Apparel Des Thru Drpng and CTD 450 Advanced Apparel Design are not offered in summer school and must be completed in that sequence. Each student will be assigned an academic adviser who will help develop the plan of study.

	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 320 Visual Merchandising	3
CTD 349 Compt-Aid Apparel Design	3
CTD 350 Flat Pattern Design	3
CTD 351 Apparel Des Thru Drpng	3
CTD 446 Cult Dynam Apparel Text	3
CTD 450 Advanced Apparel Design	3
CTD 461 Quality Control for Textiles	3
Art history (FA)	6
Total Hours	45

Fashion Merchandising/Retail 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. In addition to the internship, students are required to be concurrently enrolled in a special online section of HES 310 Issues Human Envir Sciences.

	Hours
CTD 231 Sewn Products Analysis	3
CTD 320 Visual Merchandising	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	6
MGT 300 or HES 430	Organizational Theory & Behavior Managing in a High Performance Organization	3
MKT 321 or MKT 376	Retail Management Services Marketing	3
Select one of the following:		3
MKT 313	Consumer Behavior	
MKT 337	Personal Selling	
MKT 344	Promotional Management	
MKT 410	Managing Innovation	
EC 111	Principles of Macroeconomics	3
CS 285	Microcomputer Appl II	3
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		43

Students are able 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 or assistant technical designer or positions in fashion publishing or apparel manufacturing.

Diverse career opportunities exist for fashion retailing graduates. Some graduates pursue traditional careers in corporate and regional buying and sales, merchandise management, human resource management, store management, product development, wholesale sales, and fashion coordination. Other graduates pursue non-traditional career opportunities in public relations, entrepreneurial enterprises and as sales representatives outside the apparel industry.

Types of Jobs Accepted

Graduates of the Apparel Design program find jobs 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 have accepted jobs with wholesale apparel companies, buying offices, fashion magazines and retail stores.

Jobs of Experienced Alumni

Graduate of the program, Anthony Williams, who appeared on the seventh season of "Project Runway," is now in development for a TV show about fashion. Anthony's design from the show was worn by Heidi Klum on the cover of Marie Claire. He also designed the inaugural gown for Alabama's First Lady, Mrs. Diane Bentley. Clothing and Textiles graduate Lauren Leonard presented her "Leona" collection during Nashville Fashion Week March 29-April 2, 2011. Graduates Brent Johnson and Mary Catherine Moody's AMAN STOVALL luxury line was also shown. Graduate Michael Spoons began his career designing children's clothes and is now a vice president at Hanes.

Experienced alumni from our program have included the founder of Gurwitch Products, which manufactures Laura Mercier cosmetics, the president of Karen Kane, the president of Sigrid Olsen – a division of Liz Claiborne and the assistant manager of the Manhattan Coach flagship store in New York.

Learn more about opportunities in this field at the Career Center

Sample Curriculum for the Clothing and Textiles Major with an Apparel Design Concentration

Freshman	Hours
ART 110	3
CTD 141	3
CTD 102	3
CTD 241	3
EN 101	3
EN 102 or 103	3
HES 100	3
History (HI) and social and behavioral sciences (SB)	6
Mathematics (MA)	3
	30
Sophomore	Hours
CTD 217	3
CTD 245	3
CTD 319	3
CTD 281	3
Art history (FA)	6
EC 110	3
Humanities (HU) and fine arts (FA)	6
Natural science (N)	4
Sophomore portfolio review	
	31
Junior	Hours
CTD 320 or 446	3
CTD 349	3
CTD 350	3
CTD 351	3
CTD 448 or 415	3
CTD 461	3
Computer science (C) or foreign language (FL)	6-8
Writing course (W)	3
Junior portfolio review	
	27-29
Senior	Hours
CTD 447	3
CTD 450	3
HES 310	3
MKT 300	3
Electives	11-13
History (H) and social and behavioral sciences (SB)	3
Natural science (N)	4

Senior portfolio review	
	30-32
Total Hours: 118-122	
¹ Each student must take either a 6-hour sequence in history or a 6-hour sequence in literature.	
² Each student who completes a 6-hour history sequence must take a 3-hour literature course.	

Sample Curriculum for the Clothing and Textiles Major with a Fashion Retailing Concentration

Freshman		Hours
CTD 102		3
CTD 261		3
CTD 281		3
EN 101		3
EN 102 or 103		3
HES 100		3
CS 285		3
History (HI) and social and behavioral sciences (SB)		6
Humanities (HU) or fine arts (FA)		6
Mathematics (MA)		3
		36
Sophomore		Hours
CTD 231		3
EC 110		3
Accounting		3-4
Humanities (HU) and fine arts (FA)		3
CSM 441		3
History (HI) or social and behavioral sciences (SB)		3
Natural science (N)		4
		22-23
Junior		Hours
CTD 320 or 446		3
CTD 381		1
CTD 447		3
CTD 461		3
CTD 481		3
MGT 300 or HES 430		3
MKT 300		3
MKT 321 or 376		3
Select one of the following:		3
MKT 313		3
MKT 337		3
MKT 410		3
		34
Senior		Hours
CTD 415		3
CTD 446		3
CTD 485		9
HES 310		3

Select one of the following:	3
Electives	1-4
Humanities (HU) and fine arts (FA)	3
Natural science (N)	4
Writing course (W)	3
32-35	

Total Hours: 124-128	
¹ Each student must take either a 6-hour sequence in history or a 6-hour sequence in literature.	
² Each student who completes a 6-hour history sequence must take a 3-hour literature course.	
³ A four-hour accounting course is required for the general business minor.	

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, 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 six-year accreditation from the Council for Interior Design Accreditation in 2010. Accreditation by the National Association of Schools of Art and Design (NASAD) was awarded in 2008.

		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 301	I. D. New York Study Tour	
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	Advanced Computer Applications in Design (C)	
CTD 221	Matl Source Int Design	3
CTD 225	Residnt Des/Graphic Comm	3
CTD 226	Nonresidential Design	3
CTD 250	Construction Procedures for Interior Design	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 Proce Interior Des	3
CTD 330	Autocad for Interior Design	3
CTD 371	Lighting For Interiors	3
CTD 422	History Of Interiors II (W)	3
CTD 425	Advanced Residential Design	4
CTD 426	Advanced Nonresidential 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 Nonresidential 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/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 safely, 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 and individual 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 company, the flagship retail store for New York's Barney's in Texas, preservationist work in New York with architect David Foster, designs for the US military, sky boxes for sports arenas, high end residential design in New York with Keith Irvine in Washington, D.C., with Solis Betancort, a design/build firm in Houston, Texas, and with architect Stephen Laney. Graduates also have become executives in the world of

design materials such as fabrics, carpet, furniture and lightning. 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

Sample Curriculum for the Interior Design Major

Each student must take either a 6-hour sequence in history or a 6-hour sequence in literature.

Each student who completes a 6-hour history sequence must take a 3-hour literature course.

Not required for completion of major. Interior design majors who plan to enroll in CTD 423 Intern Interior Design in the summer must register for CTD 323 Interior Design Internship Sem the preceding spring semester.

Freshman	Hours
CTD 102	3
CS 102	3
CTD 121	3
CTD 221	3
EN 101	3
EN 102	3
EN 103	3
HES 100	3
MATH 110	3
History (HY) and Social and Behavioral (SB)	3
LIT, HU, and FA	3
	33

Sophomore	Hours
CTD 225	3
CTD 226	3
CTD 330	3
DR 250	3
ARH 252	3
ARH 253	3
CTD 261	3
HY or SB	3
Natural Science	8
	32

Junior	Hours
CTD 325	4
CTD 326	4
CTD 328	3
CTD 371	3
CTD 321	3
ART 110	3
ART 131	3
Computer science (C) or foreign language (FL)	6
HY or SB	3
	32

Senior	Hours
CTD 425	4
CTD 426	4

CTD 422	3
CTD 427	3
CTD 340	3
HES 310	3
Writing Elective	3
LIT, HU, or FA	3
Total Hours: 123	26

Department of Consumer Sciences

The consumer sciences curriculum allows students to select a concentration of courses in either consumer affairs or family financial planning and counseling, depending on the student's career goals. Each student will work with a department adviser to plan the appropriate courses.

The concentration in family financial planning and counseling has been registered with the Certified Financial Planner Board of Standards, Inc. Students who successfully complete the concentration are eligible to sit for the CFP® Certification Examination that leads to the professional designation of Certified Financial Planner™, CFP® certificant.

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. These marks are awarded to individuals who successfully complete the CFP Board's 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. CFP certification is granted only by the Certified Financial Planner Board of Standards, Inc., 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. Ideally, the family financial planning and counseling concentration suits students interested in careers as family financial planners or counselors in financial planning firms, banks, insurance companies, investment companies and social services.

The consumer affairs concentration prepares students for careers as consumer specialists in government, business, industry, communication and community services.

- Majors
 - Family Financial Planning and Counseling Concentration (BS) (p. 537)
 - Consumer Affairs Concentration (BS) (p. 537)
- Minor
 - Consumer Sciences (p. 538)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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. Student may not receive credit for both CSM 101 and CS 102.

CSM116 Quantitative Methods of Finance
MA
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.

Prerequisite(s): MATH 100

Mathematics

[View All Courses](#)

Faculty

Dean
Boschung, Milla D.

Chair
Boschung, Milla D.

Professor
Wright, Kenneth E.

Associate Professor
McFadden, Anna

Assistant Professor
Choi, Shinae
Cook, Reuben
Fulmer, Caroline S.
Kim, Kyoung Tae

McGahey, Courtney L.

Pentecost, Eve

Reddoch, Kym

Wilmarth, Melissa

Instructor

McMath, Juanita

Professor Emerita

Abdel-Ghany, Mohamed

Brakefield, Jan L.

Hodge, William H.

Price, Barrie Jo

Consumer Science with a Consumer Affairs Concentration, BS

Consumer Sciences students are typically interested in math, economics, social sciences, public policy, computer technology and effective communication.

Office: 212 Adams Hall

The concentration in consumer affairs prepares students for careers as consumer specialists in government, business, industry, communication and research. Students develop the ability to analyze situations from the perspectives of consumers, businesses and government, and to communicate these issues. Graduates enter careers related to consumer affairs, consumer education, marketing and sales. Many Fortune 500 companies have a consumer affairs department. In addition, many newspapers, magazines and television stations are focusing on consumer education or areas related to mediation of consumer grievances.

Upon successful degree completion, students are poised for a fulfilling career in analyzing and communicating consumer issues. Consumer affairs is an area of increasing importance in business, industry, government and social services. Financial planning and counseling is predicted to be one of the fastest growing career tracks. Students in this concentration are taking an important step toward establishing the "gold standard" professional credential, Certified Financial Planner™. As students in this highly regarded CFP® Board Registered Program, graduates are eligible to sit for the CFP® Certification Exam immediately upon degree attainment.

Types of Jobs Accepted

consumer education, financial literacy initiatives, consumer protection, state, local, national consumer advocacy, private and municipal law, corporate consumer affairs, congressional/senatorial staff, financial planning, investment brokerage, investment portfolio management, employee benefits advisory, insurance, retirement planning services, personal banking, family service agencies, customer service, public relations

Learn more about opportunities in this field at the Career Center

Freshman

Fall	Hours Spring	Hours
EN 101	3 Natural Sci Core	4
History Core	3 COM 123	3
HES 100	3 EN 102	3

MATH 112 (or Math 110)	3 EC 110	3
CS 102 or CSM 101	3 CSM 201	3
	15	16

Sophomore

Fall	Hours Spring	Hours
Natural Sci Core	4 HU or FA	3
Literature Core	3 HI or SB or L	3
EC 111	3 CSM 415	3
CSM 381	3 CSM 445 or CS 285	3
CSM 204	3 BER 345 or ST 260	3
	16	15

Junior

Fall	Hours Spring	Hours
HU or FA	3 CSM Elective Course	3
CSM Elective Course	3 HI or SB or L	3
CSM 403	3 CSM 425	3
CSM 401	3 CSM 405	3
HES 430	3 Elective	3
	15	15

Senior

Fall	Hours Spring	Hours
CSM Elective	3 Elective Courses or Internship	9
Elective Courses	7 CSM 441	3
HES 310	3 CSM 425	3
	13	15

Total Hours: 120

Consumer Science with a Family Financial Planning and Counseling Concentration, BS

Consumer sciences students are typically interested in math, economics, social sciences, public policy, computer technology and effective communication.

Office: 212 Adams Hall

The concentration in family financial planning and counseling has been accepted by the Certified Financial Planner Board of Standards, Inc. Students who successfully complete the concentration will be eligible to sit for the CFP® certification examination that leads to the professional certification as a Certified Financial Planner™ professional and CFP®. CFP® and Certified Financial Planner™ are certification marks owned by the Certified Financial Planner Board of Standards, Inc., (CFP Board). These marks are awarded to individuals who successfully complete the CFP Board's initial and ongoing certification requirements. The University of Alabama does not certify individuals to use the CFP® and Certified Financial Planner™ marks. CFP® certification is granted solely by the CFP Board to individuals who, in addition to completing an educational requirement such as this CFP Board-Registered Program, have met ethics, experience and examination requirements.

Upon successful degree completion, students are poised for a fulfilling career in analyzing and communicating consumer issues. Consumer affairs is an area of increasing importance in business, industry, government and social services. Financial planning and counseling is

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Types of Jobs Accepted

consumer education, financial literacy initiatives, consumer protection, state, local, national consumer advocacy, private and municipal law, corporate consumer affairs, congressional/senatorial staff, financial planning, investment brokerage, investment portfolio management, employee benefits advisory, insurance, retirement planning services, personal banking, family service agencies, customer service, public relations

Learn more about opportunities in this field at the Career Center

Freshman

Fall	Hours Spring	Hours
EN 101	3 EN 102	3
HES 100	3 EC 110	3
CS 102 or CSM 101	3 CSM 204	3
MATH 112 or 110	3 Natural Science Core	4
History Core	3 Fine Arts Core	3
	15	16

Sophomore

Fall	Hours Spring	Hours
CSM 201	3 HU or FA	3
EC 111	3 HI or SB or L	3
HD 262, 462, TH 113, or COM 123	3 Computer Core	3
HU/FA or Lit	3 ST 260 or BER 345	3
Natural Science Core	4 AC 210	4
	16	16

Junior

Fall	Hours Spring	Hours
CSM 300	1 HI or SB or L	3
CSM 400	3 Natural Science Core	4
CSM 404	3 CSM 405	3
CSM 401	3 CSM 410	3
CSM 403	3 CSM 420	3
	13	16

Senior

Fall	Hours Spring	Hours
CSM 458	3 Elective Courses or Internship	7
CSM 381	3 Writing Core	3
HES 310	3 CSM 460	3
CSM 459	3 CSM 454	3
	12	16

Total Hours: 120

Consumer Sciences, Minor

Office: 212 Adams Hall

Admission into the Minor

A minor in consumer sciences is available to students outside the department of consumer sciences. Eighteen hours are required for the minor, including CSM 201 Indiv Family Resourc Mgt and CSM 204 Intro Personl Finan Plan and 12 additional hours selected in consultation with a department adviser. At least 6 hours of consumer sciences classes need to be 300 level or above

Ideally, students should formally declare a minor before or during the third year of full-time enrollment.

	Hours
CSM 201 Indiv Family Resourc Mgt	3
CSM 204 Intro Personl Finan Plan	3
Select 12 hours of CSM electives	12
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.

Department of Health Science

Majors

- Athletic Training (BSAT) (p. 539)
- Public Health (BS) (p. 541)
- General Health Studies (BS) (p. 540)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

ATR257 Intro to Athletic Training

Hours 3

The study of current principles in the prevention; clinical evaluation and diagnosis; immediate care and treatment; and rehabilitation and reconditioning 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

Birch, David

Professors

Birch, David

Turner, Lori

Usdan, Stuart

Associate professors

Leaver-Dunn, Deidre

Nickelson, Jen

Paschal, Angelia

Assistant Professors

Gordon, Brian

Hibberd, Lizzie

Knowlden, Adam

Zemke, Jeri

Instructor

Harcrow, Andy

Athletic Training, BSAT

Athletic training encompasses the prevention, examination, diagnosis, treatment and rehabilitation of emergent, acute or chronic injuries and medical conditions. Athletic training is recognized by the American Medical Association (AMA), Health Resources Services Administration (HRSA) and the Department of Health and Human Services (HHS) as an allied health care profession.

Athletic trainers (ATs) are highly qualified, multi-skilled health care professionals who collaborate with physicians to provide preventive services, emergency care, clinical diagnosis, therapeutic intervention and rehabilitation of injuries and medical conditions. Athletic trainers work under the direction of a physician as prescribed by state licensure statutes.

Accredited by the Commission on Accreditation of Athletic Training Education (CAATE), the limited-enrollment professional program requires the completion of 120 semester hours as specified below and leads to the Bachelor of Science in Athletic Training (BSAT) degree. Students must be accepted into the professional phase of the Athletic Training Program (AT Program) to complete the degree. For application to the professional phase of the AT Program a student must fulfill the following requirements:

- complete all prerequisite courses with a grade of C or higher
- maintain a minimum 2.5 overall grade point average (28 hours)
- be evaluated by AT Preceptors
- be evaluated by AT Preceptors*
- submit a formal AT Program application & essay*
- provide proof of current CPR training that includes AED use, 2 rescuer techniques and care for infants & children*
- submit three standardized recommendation forms*
- submit an official transcript from The University of Alabama*

- take a clinical skills practical examination with the AT Program Selection Committee*
- complete a personal interview with AT Program Selection Committee*
- undergo a comprehensive evaluation by the AT Program Selection Committee*

*These steps will be addressed in ATR 258, Clinical Fundamentals, which must be taken at The University of Alabama during the semester of application to the professional program.

On average, 25 students are admitted to the professional program each year. Selections are made at the end of the spring semester. Students must also meet specific written technical standards prior to admission to the professional phase of the program. A copy of these standards is available from the office of the program director. Selection into the professional phase of the AT Program is competitive and satisfaction of the minimum requirements does not guarantee admission. An individual may request information concerning summative data on the most recent admissions from the program director. Following selection, completion of the professional program requires a minimum of six consecutive semesters or three academic years. All ATR courses must be taken in sequence and students must earn a grade of C or higher in all major courses. Students enrolled in the professional program must maintain a minimum overall GPA of 2.5.

Admitted students are required to undergo blood borne pathogen training, TB testing and a physical examination annually and must maintain current First Aid and professional rescuer-level CPR certification.

Professional program students also have access to Hepatitis B vaccination at no charge. An annual criminal background check and drug screening are also required of admitted students.

The undergraduate catalog is published at one-year intervals. Program advising sheets are updated much more frequently and are thus likely to provide the most current information on degree and other requirements. Students should always obtain the most recent advising sheet, available from the AT Program office and the HES Student Services Office in 101 Doster Hall.

Office: 480 Russell Hall

students must earn a grade of C or higher in all prerequisite and professional program courses

Hours

PREREQUISITE COURSES

ATR 257	Intro to Athletic Training	3
ATR 258	Clinical Fundamentals	1
ATR 272	First Aid, Safety & CPR	2
BSC 114 & BSC 115	Principles Of Biology I and Laboratory Biology I	4
EN 101	English Composition	3
EN 102	English Composition	3
HHE 270	Personal Health	3
NHM 101	Intro Human Nutrition	3
Select one of the following:		3
MATH 112	Precalculus Algebra	
MATH 113	Precalculus Trigonometry	
MATH 115	Precalc Algebra & Trig	
MATH 125	Calculus I	
PY 101	Intro To Psychology	3
Credit Hours Subtotal:		28

PROFESSIONAL PROGRAM COURSES

ATR 300	Foundations in Athl. Training	3
ATR 310	Clinical Skills I	1
ATR 320	Clinical Skills II	1
ATR 357	Clinical Evaluation & Diagn I	3
ATR 358	Clinical Eval. Diagnosis II	3
ATR 360	Clin Eval & Diagnosis II	3
ATR 410	Clinical Skills III	1
ATR 420	Clinical Skills IV	1
ATR 430	Clinical Skills V	1
ATR 453	Appl Clin Res Skills	3
ATR 454	Org. Ad. Athletic Training	3
ATR 455	Pharm Path Athl Training	3
ATR 456	Principles of Rehab & Recon	3
ATR 457	Therapeutic Modalities	3
ATR 458	Seminar in Athl. Training	3
BSC 215	Human Anatomy & Physiology I	4
BSC 216	Human Anatomy & Physiology II	4
KIN 365	Applied Biomechanics	3
KIN 492	Physiology of Exercise	3
NHM 315	Nutrition For Performance	3
PH 101	General Physics I	4
Electives (variable)		
Credit Hours Subtotal:		56
Total Hours		84

Certified Athletic Trainer.

Types of Jobs Accepted

Recent graduates are now athletic training graduate assistants, fellows or interns at Baylor, Iowa, Florida State, Arizona State, Denver and Samford. Other alumni work as athletic trainers with Andrews Sports Medicine, Encore Rehabilitation, Drayer Physical Therapy Institute, Champion Sports Medicine, Real Salt Lake, Virginia Tech and UAB.

Jobs of Experienced Alumni

High school athletic trainer, collegiate athletic trainer, professional sports athletic trainer, performing arts athletic trainer, director of sports medicine, outpatient physical therapy clinic director.

Learn more about opportunities in this field at the Career Center

General Health Studies, BS

Health educators focus on the maintenance and improvement of health for individuals, groups and communities. Graduates of the general health studies program will have skills in assessing health education needs and community assets, planning and implementing programs, conducting program evaluation, administering and managing programs, serving as health resource personnel and advocating for health and health education.

The curriculum in general studies in human environmental sciences enables students to integrate knowledge from all areas of the field and prepares them for employment or further study. The general studies option is designed for those interested in careers in cooperative extension, government, human services, utility companies or an area of

the communications field. Courses are selected in consultation with an adviser.

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 general 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 and must include a minimum of 35 hours of coursework offered by the College of Human Environmental Sciences.
- 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 adviser chosen from the area of specialization.
- The proposal must indicate that the student has examined the consequences of the proposed program in relation to career goals and post-graduation plans.

The minimum requirements for a degree in General Studies 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 Human Envir Sciences for all students, HES 100 Freshman Compass Human Env Sci for new freshmen on campus and HES 103 Distance Compass HES for new online freshmen).
- 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 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 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.

Freshman

Fall	Hours Spring	Hours
EN 101	3 EN 102	3
HES 100	3 Natural Science core	4
FA core	3 Humanities core	3
Math core	3 SB core	3

Elective	3 Elective Course	3
	15	16
Sophomore		
Fall	Hours Spring	Hours
Lit core	3 FL or C core	3
SB core	3 History core	3
FL or C core	3 HU LIT or FA core	3
NS core	4 HES course	3
HES course	3 Elective	3
	16	15
Junior		
Fall	Hours Spring	Hours
SB or History core	3 Writing core	3
Writing Core	3 HES courses	9
HES 310	3 Elective	3
HES course	3	
Electives	3	
	15	15
Senior		
Fall	Hours Spring	Hours
HES courses	9 HES courses	9
Electives	6 Electives	4
	15	13

Total Hours: 120

Graduates with an interest in community or public health education will be prepared for careers in local and state public health departments, community health agencies, medical care facilities and corporate/ worksite health promotion programs. Students who complete the program are eligible to take the exam for national certification as a Certified Health Education Specialist. Further information on the profession of health education can be viewed through the video, Health Education Specialists: Promoting a Healthy World at <http://www.sophe.org/healthspecialist.cfm>. Students interested in allied or public health graduate study may pursue degrees in fields such as environmental health, health behavior, medicine, physician's assistantship, and occupational or physical therapy.

Types of Jobs Accepted

Community health educator, consumer health educator, drug prevention educator, employee health promotion specialist, health education specialist for a health agency, health education training coordinator, injury prevention educator, nutrition educator, patient educator, sexuality educator.

Learn more about opportunities in this field at the Career Center

Faculty

Assistant Dean/Department Chair

Meyer, Mary Kay

Instructor

Galloway, Hunter

Public Health, BS

Office: 470 Russell Hall

The program in public health is designed for students interested in public health education and/or other health professions. Students enrolled in the health education and health promotion concentration will prepare for careers as public health educators in various settings. In addition, the health professions concentration is appropriate for students interested in graduate study in physical therapy or medicine, as well as other allied health and public health professions. Total coursework required for the degree is 120 semester hours.

		Hours
Major Requirements		
HHE 270	Personal Health	3
HHE 273	Community And Public Health	3
HHE 370	Prin/Foundatn Health Promotion	3
HHE 445	Environmental Health	3
HHE 446	Health Disparities	3
CHS 420	Basic Epidemiology	3
CSM 441 or	Consumer Communications	3
CSM 445	Applied Digital Tools	
CSM 447	Advanced Digital Tools	3
Select one of the following:		3
PY 211	Elem Statistical Methods	
BER 345	Educational Statistics	
ST 260	Statistical Data Analysis	
Credit Hours Subtotal:		27

Concentration

Select one of the following:	12-24
Health Education and Health Promotion concentration	
Health Professions concentration	
Total Hours	39-51

Concentrations

In addition to the Public Health Major Requirements, students should select either the Health Education and Health Promotion concentration or the Health Professions concentration.

The undergraduate catalog is published at one-year intervals. 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 sheet available from their academic advisers.

Health Education and Health Promotion Concentration

In addition to the Public Health Major Requirements, students should select either the Health Education and Health Promotion concentration or the Health Professions concentration.

The requirements for the Health Education and Health Promotion concentration are listed below.

		Hours
HHE 378	Drug Awareness Education	3
HHE 440	Understanding Stress Mgt	3
HD 475	Human Sexuality Sex Education	3
NHM 101	Intro Human Nutrition	3
Total Hours		12

The undergraduate catalog is published at one-year intervals. 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 sheet available from their academic advisers.

Health Professions Concentration

Health Professions Student Services
200 Clark Hall; (205) 348-5970
premed.ua.edu
premed@ua.edu

The Health Professions Concentration can be used by students who identify an interest in applying to allied health graduate programs (i.e., medicine, dentistry, physical therapy, pharmacy, etc.). Students should identify this interest early in order to complete the program requirements for the respective graduate program. Applications to such programs should be submitted approximately six months to one year prior to the expected date of enrollment. The Graduate Record Exam (GRE) or the Medical College Admission Test (MCAT) is required by most allied health schools. The Health Professions Student Services in the College of Arts and Sciences is available to assist Public Health majors wishing to apply to allied health graduate programs.

The health professions advising program works with all students who are interested in pursuing careers in medicine, dentistry, physical therapy, pharmacy and other health professions except nursing.

The requirements for the Health Professions Concentration are listed below.

		Hours
Required Courses		
HHE 378	Drug Awareness Education	3
HHE 440	Understanding Stress Mgt	3
HD 475	Human Sexuality Sex Education	3
NHM 101	Intro Human Nutrition	3
Credit Hours Subtotal:		12
Health Professions Support Courses		
Select four courses in consultation with public health advisor:		
Health related course		3
Health related course		3
Health related course		3
Health related course		3
Credit Hours Subtotal:		12
Total Hours		24

NOTE: Prerequisite courses for allied health graduate programs can also be used for the Health Professions Support Courses. Specific admissions requirements vary; therefore, students preparing to enter allied health graduate programs should consult the catalogs of the graduate schools of their interest early in their undergraduate enrollment in order to be informed of the exact requirements for entrance.

The undergraduate catalog is published at one-year intervals. 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 sheet available from their academic advisers.

Learn more about opportunities in this field at the Career Center

Department of Human Development and Family Studies

The department of human development and family studies offers majors in early childhood education (ECHS) and in human development and family studies (HDFS). Concentrations are provided in each major. In the ECHS major, one concentration in early childhood development is currently offered. In the HDFS major, four concentrations are offered: family studies, adolescent and youth development, general human development and family studies and child life.

In addition to selecting a major and concentration, a student may also select a minor to enhance his or her program of study and career opportunities. Other University of Alabama academic divisions offer many appropriate minors. Requirements for these minors are found in the sections of this catalog pertaining to those divisions. The student should select a concentration and/or minor in consultation with a departmental adviser to ensure that program requirements are fulfilled. The student should also consult the adviser before choosing elective courses. Students who plan to apply for graduate study should complete at least one elective course in undergraduate research methods and statistics.

- Majors
 - Early Childhood Education (ECHS) (p. 543)
 - Human Development and Family Studies (HDFS) (p. 544)
- Minors
 - Human Development and Family Studies (p. 546)
 - Addiction and Recovery Studies (p. 543)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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

HD155 Freshman Seminar
FS, SB

Hours 3

HD 155 is a freshman seminar class leading students to uncover the pathways for their future careers and to discover the skills and knowledge needed to build successful and fulfilling lives. This process begins with understanding, valuing, developing, and learning how to capitalize upon one's own unique combination of talents. Through class exercises, projects, readings, and discussion, each student will acquire tools and skills necessary for success in the first year of college and will map out and begin pursuing a detailed, comprehensive action plan for achieving long-term personal, interpersonal, academic, and professional excellence.

Freshmen Seminar, Social and Behavioral Sciences

View All Courses

Faculty

Department Head

Carroll M. Tingle

Professor

Hernandez-Reif, Maria

Associate professors

Curtner-Smith, Mary Elizabeth

Scofield, Jason

Witte, Tricia

Assistant professors

Berryhill, Blake

Komara, Cecile

Casper, Deborah

Downs, Karly

Bloom, Laura

Burns-Nader, Sherwood

Peeples, Victoria

Totenhagen, Casey

Professor Emerita

Hudson, Carmen

Enders, Linda

Jesse, Peggy

Ladewig, Becky

Stinnett, Nancy

Stinnett, Nick

Strickland, Martha S.

Addiction and Recovery Studies, Minor

Office: 214 CDRC

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.

Minor Courses		Hours
HD 210	Understanding Addiction	3
HD 302	Child Dev-Adolescence	3
HD 350	Addiction: Prevention, Treatment and Recovery	3
HD 445	Addiction and the Family	3
HHE 378 or SW 414	Drug Awareness Education Chemical Dependency	3
Select one of the following:		3
HD 405	Policy Issues: Family, Crime and Addictions	
CJ 240	Juvenile Delinquency	
PY 358	Abnormal Psychology	

CSM 204 Intro Personl Finan Plan

CSM 424 Addict. & Dysf. in Money Mgmt

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. 253) 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.

Early Childhood Education Major

Experimental learning activities, assessment and practicums are provided for students on and off campus through the Office of Clinical Experiences. On-campus facilities providing structured practicums include the Child Development Laboratories and the Rural Infant Stimulation Environment (RISE) Program. These programs provide opportunities for students to work with infants, toddlers, and children who have a broad range of special needs. In addition, all students who major in early childhood special education will complete supervised practicum and internship experiences in diverse public school settings.

Degree Options

Early childhood education students graduates with a bachelor of science in human environmental sciences degree. Students who choose to do so may continue their education in a teacher education master's program to obtain teacher certification, or they may pursue a master of science in human environmental sciences. Some students continue to one of the HDFS collaborative doctoral programs in education or psychology.

All students with a major in human development and family studies must take the following courses as part of the University core requirements:

		Hours
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

In addition, please note that every student in the Department of Human Development and Family Studies is required to select an existing concentration or propose his or her own personalized concentration. In

the event that a student wishes to propose a personalized concentration of courses, he or she must make application following a prescribed process. Students interested in this option should contact the chairperson of the department.

Early Childhood Education Major

The major in early childhood education (ECHS) is designed to provide students with an understanding of the growth and development of young children (conception through 8 years of age). Students in this major have a concentration in early childhood development (ECD). In this concentration, students learn to apply developmental principles in the design, implementation and evaluation of programs for young children. At present, no public school certification is associated with this degree.

Each student completing the early child development concentration must have a grade point average of 2.0 or higher in both HD and UA coursework before enrolling in HD 495 Early Childhood Devel Intern. 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.

		Hours
HD 202	Child Dev-Infancy/Todlr	3
HD 205	Child Dev-Preschool	3
HD 302	Child Dev-Adolescence	3
HD 321	Concp Creat Exper Young Child	3
HD 322	Conc Creat Exper Yng Chld II	3
HD 382	Parent And Family Devt	3
HD 422	Admin Child Centers & Programs	3
HD 472	Program Evaluation	3
HD 488	Senior Seminar	2
HD 495	Early Childhood Devel Intern	6
SPE 471	Dev Persp Young Child W/ Disab	3
PY 211 or BER 345	Elem Statistical Methods Educational Statistics	3
Total Hours		38

Birth - third grade special education teacher, Prekindergarten - third grade elementary education teacher, Early interventionist, Case Manager

Jobs of Experienced Alumni

Lead Teachers, Instructional Facilitators, Cooperating Master Teachers, School Administrators (Principals, Special Education Supervisors, Directors of Non-profit Organizations).

Learn more about opportunities in this field at the Career Center

Human Development and Family Studies Major

Students majoring in human development and family studies 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 and the dynamics of family relationships. Students concentrating in adolescent and youth development are interested in the growth and development of adolescents and youth within the family, peer and school contexts. The General HDFS concentration provides a flexible program for students interested in preparing for professional work or further study related to children and families through coursework only, with

no internship required. This program of study is especially relevant for students who would like to pursue advanced coursework in preparation for professional degrees, such as medical school.

The major in human development and family studies provides an understanding of growth and development throughout the lifespan. Following are descriptions of the concentrations available to HDFS majors, including courses required in each concentration. There are also recommended elective courses to enhance the various programs of study. A list of these courses is available from the student's departmental advisor.

Degree Options

A student majoring in human development and family studies graduates with a bachelor of science in human Environmental Sciences degree. Students may continue their education and pursue a Master of Science in Human environmental sciences. Some students move to one of our collaborative doctoral programs in education or psychology.

All students with a major in human development and family studies must take the following courses as part of the University core requirements:

		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
Concentration		
Select an existing concentration or propose a personalized concentration		41-58
Total Hours		51-68

In addition, please note that every student in the department of human development and family studies is required to select an existing concentration or propose his or her own personalized concentration. In the event that a student wishes to propose a personalized concentration of courses, he or she must make application following a prescribed process. Students interested in this option should contact the chairperson of the department.

Concentrations

Concentration in Family Studies

The concentration in family studies provides an understanding of the development of the family system, the dynamics of family relationships and their bidirectional influence on family members. Students who earn a grade of C or better in each course in the program are eligible to apply for certification as a family life educator by the National Council on Family Relations. This concentration prepares students to plan and implement programs in parent education, relationship/marriage education and human sexuality education. Graduates work in a variety of settings, such as industry, family service agencies, mental health agencies, churches, nursing homes and schools. This concentration currently does not lead to certification. This concentration is also well-suited for students interested in pursuing government and military programs, a graduate degree in marriage and family therapy, as well as other fields that serve children and families.

Each student completing the family studies 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 Studies Internship. Most

internship opportunities require a minimum cumulative and HD GPA of 2.5. Students should contact the internship coordinator for further information.

	Hours
Required Courses	
CSM 201 Indiv Family Resourc Mgt	3
HD 202 Child Dev-Infancy/Todlr	3
HD 205 Child Dev-Preschool	3
HD 262 Marriage And Family	3
HD 302 Child Dev-Adolescence	3
HD 382 Parent And Family Devt	3
HD 462 Interpersonal Relationships	3
HD 472 Program Evaluation	3
HD 475 Human Sexuality Sex Education	3
HD 483 Methods of Family Life Education	3
HD 488 Senior Seminar	2
HD 497 Family Studies Internship	6
PY 211 or BER 345 Elem Statistical Methods Educational Statistics	3
Select one of the following:	3
CSM 430 Family & Consumer Law or HD 480 Children And Divorce	
Total Hours	44

Concentration in Adolescent and Youth Development

The adolescent and youth development concentration is planned 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 in a variety of settings, including community-based programs, home-based programs and mental-health agencies. Additionally, this concentration provides the necessary background for students interested in pursuing graduate studies in adolescent and youth development. The curriculum consists of the HDFS core courses as well as specialty courses that highlight adolescent and youth issues.

Each student completing the adolescent 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.

	Hours
Required Courses	
HD 202 Child Dev-Infancy/Todlr	3
HD 205 Child Dev-Preschool	3
HD 302 Child Dev-Adolescence	3
HD 382 Parent And Family Devt	3
HD 462 Interpersonal Relationships	3
HD 472 Program Evaluation	3
HD 475 Human Sexuality Sex Education	3
HD 488 Senior Seminar	2
HD 498 Adolescent Youth Devel Intern	6
CJ 240 or	3
Juvenile Delinquency	

SW 208	Juvenile Delinquency:Causes, Control, and Services	
HHE 378	Drug Awareness Education	3
PY 372	Social Psychology	3
PY 211 or BER 345	Elem Statistical Methods Educational Statistics	3
Total Hours		41

Concentration in General Human Development and Family Studies

The general HDFS concentration provides a flexible program for students interested in preparing for professional work or further study related to children and families through coursework only (there is no internship requirement). This program of study is especially relevant for students who would like to pursue advanced coursework in preparation for professional degrees (e.g., medical school). Other students who might find this option appropriate include students who wish to double major within four years or students who, for family or employment reasons, find a semester-long internship to be a particular hardship.

	Hours
Required Courses	
HD 101 Life Span Human Development	3
HD 202 Child Dev-Infancy/Todlr	3
HD 205 Child Dev-Preschool	3
HD 262 Marriage And Family	3
HD 302 Child Dev-Adolescence	3
HD 382 Parent And Family Devt	3
PY 211 or BER 345 Elem Statistical Methods Educational Statistics	3
Select four of the following:	12
HD 412 Adult Development	
HD 422 Admin Child Centers & Programs	
HD 445 Addiction and the Family	
HD 462 Interpersonal Relationships	
HD 472 Program Evaluation	
HD 475 Human Sexuality Sex Education	
HD 480 Children And Divorce	
Approved HD course at the 300- or 400-level	
Select four of the following:	12
CJ 240 or	Juvenile Delinquency
SW 208	Juvenile Delinquency:Causes, Control, and Services
CSM 201	Indiv Family Resourc Mgt
CSM 430	Family & Consumer Law
HD 350	Addiction: Prevention, Treatment and Recovery
HHE 378	Drug Awareness Education
PY 372	Social Psychology
SPE 471	Dev Persp Young Child W/ Disab
Total Hours	45

Concentration in Child Life

The child life concentration is planned for students who wish to study and work with children and youth in health care settings. The curriculum consists of a comprehensive foundation of courses related to the growth and development of the healthy child as well as children with illnesses. Through specific courses, students participate in laboratory and practicum experiences with children. These experiences, along with

the theoretical information, provide a foundation necessary for working with hospitalized children and their families. This curriculum enables a student to become a candidate for the national certification exam administered by the Child Life Certifying Committee of the National Child Life Council. Students must make application to the child life program after completion of 60–90 hours with at least 12 hours of HD courses. Acceptance and retention in the program are determined by:

- satisfactory recommendation by HD faculty committee
- cumulative grade point average (GPA) of at least 2.5 and a GPA of 2.5 or above in HD courses (each student enrolled in the child life concentration must have a GPA of 2.5 or higher in human development coursework before enrolling in HD 496 Child Life Internship)

	Hours
Required Courses	
BSC 215 Human Anatomy & Physiology I	4
BSC 216 Human Anatomy & Physiology II	4
HD 202 Child Dev-Infancy/Todlr	3
HD 203 Medical Terminology	2
HD 205 Child Dev-Preschool	3
HD 302 Child Dev-Adolescence	3
HD 321 Concp Creat Exper Young Child	3
HD 322 Conc Creat Exper Yng Chld II	3
HD 382 Parent And Family Devt	3
HD 422 Admin Child Centers & Programs	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
PY 211 or BER 345 Elem Statistical Methods Educational Statistics	3
Total Hours	58

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.

Types of Jobs Accepted

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. Adolescent 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, Women's Protective Agency, State Department of Human Resources, State Department of Children's Affairs and Child/Family Advocate.

Learn more about opportunities in this field at the Career Center

Sample Curriculum for the Human Development and Family Studies Major

Freshman Year	Hours
Select one of the following:	3-6
EN 101 English Composition & EN 102 and English Composition	
EN 103 Advanced English Composition	
HES 100 Freshman Compass Human Env Sci	3
Select one of the following:	4
BSC 109 Intro Biology Non Maj II	
BSC Principles Of Biology I 114/115	
Computer Science (C) or foreign language (FL)	3-4
Math (MA)	3
PY 101 Intro To Psychology	3
History (HI) and social and behavioral sciences (SB)	9
Total Hours	28-32

Sophomore Year

HD 202 Child Dev-Infancy/Todlr	3
HD 205 Child Dev-Preschool	3
Computer science (C) or foreign language (FL)	3-4
Natural science (N)	4
Humanities (HU) and fine arts (FA)	12
Human development elective or concentration courses	3
Total Hours	28-29

Junior Year

HD 302 Child Dev-Adolescence	3
HD 382 Parent And Family Devt	3
PY 211 or BER 345 Elem Statistical Methods Educational Statistics	3
Human development electives	6-9
Elective	6
Concentration or minor	12
Total Hours	33-36

Senior Year

HES 310 Issues Human Envir Sciences	3
HD internship, if applicable	6-12
HD 472 Program Evaluation	3
HD 488 Senior Seminar	2
Concentration or minor	9
Electives	9
Total Hours	32-38

Human Development and Family Studies, Minor

Office: 214 CDRC

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.

		Hours
Minor Courses		
HD 202	Child Dev-Infancy/Todlr	3
HD 205	Child Dev-Preschool	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. 253) section of this catalog for an explanation on grade point average calculations.

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. 547)
 - Restaurant, Hotel and Meetings Management (BS) (p. 552)
- Minor
 - Food and Nutrition (p. 551)

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.

The faculty output is controlled using the ‘Faculty List’ step in the toolbar.

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.

RHM105 Nutrition for Hospitality Man.

Hours 3

Lecture and discussion introducing students to nutrition principles to evaluate and modify menus and recipes, as well as respond knowledgeably to customers questions and needs.

Prerequisite(s): RHM 175

[View All Courses](#)

Faculty

Chair

Lawrence, Jeannine

Professors

Meyer, Mary Kay

Neggers, Yasmin

Associate Professor

Knol, Linda

Lawrence, Jeannine

Severt, Kimberly

Assistant Professors

Boyle, Kimberly

Chen, Hsiangting "Shatina"

Crowe-White, Kristi

Ellis, Amy

Jung, Seung Eun

Niuh, Alvin

Shin, Yeon Ho

Tan, Libo

Instructors

Blumenthal, Jason

Bridgewater, Diane

DeSalvo, Denise

Greene, Lori

Leavelle, Lori

McMahon, Shannon

University Club

Dean, Angelique

Neidhardt, Katie

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.

The Commission on Dietetic Registration (CDR) will change the entry-level registration eligibility education requirements for dietitians, beginning in 2024, from a baccalaureate degree to a minimum of a graduate degree. All other entry-level dietitian registration eligibility requirements remain the same.

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 track. Regardless of the option chosen, all students complete the required courses listed below:

		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
HES 310	Issues Human Envir Sciences	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
NHM 340	Community Nutrition	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 395	Intro Research Food Nutr	1
NHM 441	Nutrition Education	2
NHM 442	Nutrition Care Process	1
NHM 454	Experimental & Functional Food Science	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

¹ HES 103 Distance Compass HES is for Distance Learning Students Only. It is not required for transfer students.

Tracks

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:

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:

NHM 366	Supv Pract Med Nutr Therapy I	3
NHM 390	Pract Food Service Mgt I	3
NHM 464	Superv Pract Commun Nutr	1
NHM 466	Sup Pract Med Nutr Therapy II	3
NHM 467	Supervised Practice in Long-term 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:

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 Chem PY 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

Nutrition Sciences Concentration for Food and Nutrition Majors

The nutrition sciences concentration is designed for students planning to attend medical school or other advanced health professions programs and who wish to have a strong foundation in food and nutrition sciences. This concentration does not meet the requirements to become a registered dietitian. Students who choose to meet both the requirements for medical school/an advanced health professions program and for registration as a dietitian should work with an advisor to add the necessary courses to this curriculum. Applications to medical school or advanced health professional programs should be completed approximately one year prior to the expected date of enrollment. Students should coordinate those applications through the Health Professions Advising Office in the College of Arts and Sciences.

		Hours
BSC 215	Human Anatomy & Physiology I	4
BSC 216	Human Anatomy & Physiology II	4
CH 101	General Chemistry	4
CH 102	General Chemistry	4
CH 231	Elem Organic Chemistry I	3
HES 310	Issues Human Envir Sciences	3
NHM 101	Intro Human Nutrition	3
NHM 195	Intro Dietetics Nutrition	1
NHM 201	Nutrition In Life Cycle	3
NHM 340	Community Nutrition	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 395	Intro Research Food Nutr	1
NHM 441	Nutrition Education	2
NHM 442	Nutrition Care Process	1
NHM 454	Experimental & Functional Food Science	3
NHM 465	Medical Nutrition Therapy II	3
NHM 491	Directed Professional Study	3
PY 101	Intro To Psychology	3
Total Hours		60

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.

		Hours
BSC 114 & BSC 115	Principles Of Biology I and Laboratory Biology I	4
BSC 116 & BSC 117	Principles Biology II 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, food service equipment sales.

Types of Jobs Accepted

Clinical Nutrition Manager, Certified Nutrition Support Specialist (CNSS), Board Certified Specialist in Sports Dietetics (CSSD), Child Nutrition, Lactation Consultant.

Jobs of Experienced Alumni

Food Editor, myRecipes.com; Founder, Computrition and focusGreen; Regional Manager, Frito-Lay Corporation; Account Manager, Nestle Corporation.

Learn more about opportunities in this field at the Career Center

Sample CPD Senior Year

NHM 491	Directed Professional Study	3
NHM 454	Experimental & Functional Food Science	3
NHM 464	Superv Pract Commun Nutr	1
NHM 465	Medical Nutrition Therapy II	3
NHM 466	Sup Pract Med Nutr Therapy II	3
NHM 467	Supervised Practice in Long-term Care	3
NHM 475	Mgt Food Service Systems	3
NHM 476	Pract Food Serv Mgt II	2
NHM 485	Sup Prac in Dic Mgmt	3
HES 310	Issues Human Envir Sciences	3
Humanities (HU) or Fine art (FA) or Literature (L)		3
History (HI)		3
History (HI) and social and behavioral sciences (SB)		3
Total Hours		36

Sample Curriculum for the Food and Nutrition Major

All Food and Nutrition Majors Completing CPD or DPD

Freshman Year		Hours
HES 100	Freshman Compass Human Env Sci (Or)	3
HES 103	Distance Compass HES (Distance Learning Students Only)	
NHM 101	Intro Human Nutrition	3
NHM 195	Intro Dietetics Nutrition	1
CH 104	Introductory Chemistry	8
& CH 105	and Introductory Org Chem	
PY 101	Intro To Psychology	3
EN 101	English Composition	3-6
& EN 102 or	and English Composition	
EN 103	Advanced English Composition	
Humanities (HU) or Fine Arts (FA)		3
Mathematics (MA)		3
Total Hours		27-30

Sophomore Year

BSC 215	Human Anatomy & Physiology I	8
& BSC 216	and Human Anatomy & Physiology II	
NHM 201	Nutrition In Life Cycle	3
NHM 253	Food Science	3
Computer science (C) or foreign language (FL)		6-8
Statistics		3
Humanities (HU) or Fine Arts (FA) or Literature (L)		3
NHM 372	Intro Food Service Mgt	3
NHM 395	Intro Research Food Nutr	1
Total Hours		30-32

DPD Track

Junior Year		Hours
NHM 340	Community Nutrition	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 373	Purchsg Design Risk Mgt Food S	3
NHM 374	Quant Food Prod & Servc	3
NHM 441	Nutrition Education	2
NHM 442	Nutrition Care Process	1
History or Social behavioral science (H/SB)		3
Humanities (HU) or Fine Arts (FA) or Literature (L)		3
Total Hours		30

Senior Year

NHM 491	Directed Professional Study (Summer practicum course, taken between junior and senior year)	3
HES 310	Issues Human Envir Sciences	3
NHM 454	Experimental & Functional Food Science	3
NHM 465	Medical Nutrition Therapy II	3
NHM 475	Mgt Food Service Systems	3
NHM 492	Prepare Dietetic Internship	1
BSC 242	Microbiology And Man	4
Humanities (HU) or Fine Arts (FA) or Literature (L)		3
History (HI) or Social and behavioral sciences (SB)		3
History (HI)		3
Total Hours		29

CPD Track

Sample CPD Junior Year

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 366	Supv Pract Med Nutr Therapy I	3
NHM 373	Purchsg Design Risk Mgt Food S	3
NHM 374	Quant Food Prod & Servc	3
NHM 390	Pract Food Service Mgt I	3
NHM 441	Nutrition Education	2
NHM 442	Nutrition Care Process	1

NHM 340	Community Nutrition	3
History (HI) or Social behavioral science (SB)		3
Total Hours		33

Sample CPD Senior Year

NHM 491	Directed Professional Study	3
NHM 454	Experimental & Functional Food Science	3
NHM 464	Superv Pract Commun Nutr	1
NHM 465	Medical Nutrition Therapy II	3
NHM 466	Sup Pract Med Nutr Therapy II	3
NHM 467	Supervised Practice in Long-term Care	3
NHM 475	Mgt Food Service Systems	3
NHM 476	Pract Food Serv Mgt II	2
NHM 485	Sup Prac in Dic Mgmt	3
HES 310	Issues Human Envir Sciences	3
Humanities (HU) or Fine art (FA) or Literature (L)		3
History (HI)		3
History (HI) and social and behavioral sciences (SB)		3
Total Hours		36

Sample Curriculum for the Nutrition Sciences Concentration for Food and Nutrition Majors

Freshman Year

HES 100	Freshman Compass Human Env Sci	3
EN 101	English Composition	6
& EN 102	and English Composition	
CH 101	General Chemistry	8
& CH 102	and General Chemistry	
NHM 195	Intro Dietetics Nutrition	1
NHM 101	Intro Human Nutrition	3
PY 101	Intro To Psychology	3
Humanities (HU) or Fine Arts (FA) or Literature (L)		6
Math		3
Total Hours		33

Sophomore Year

CH 231	Elem Organic Chemistry I	3
BSC 215	Human Anatomy & Physiology I	8
& BSC 216	and Human Anatomy & Physiology II	
NHM 201	Nutrition In Life Cycle	3
Humanities (HU) or Fine Arts (FA) or Literature (L)		6
History (HI) or Social and Behavioral Sciences (SB)		9
NHM 253	Food Science	3
NHM 395	Intro Research Food Nutr	1
Total Hours		33

Junior Year

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 441	Nutrition Education	2

NHM 442	Nutrition Care Process	1
Computer or Foreign Language		6-8
Electives (choose courses to meet premed/advanced health program requirements)		3
NHM 340	Community Nutrition	3
Total Hours		27-29

Senior Year

NHM 465	Medical Nutrition Therapy II	3
HES 310	Issues Human Envir Sciences	3
Electives (choose courses to meet premed/advanced health program requirements)		15
NHM 491	Directed Professional Study (Only taught in Summer)	3
NHM 454	Experimental & Functional Food Science	3
Total Hours		27

Food and Nutrition, Minor

Office: 101 Doster 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 adviser. 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 adviser in the minor department, students should complete the of Major/Minor Application online under the Student tab of myBama before or during the third year of full-time enrollment.

		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

NHM 210	Dynamics Weight Control	3
NHM 250	Principles of Food Preparation	3
NHM 305	Vegetarian Nutrition	3
NHM 315	Nutrition For Performance	3
NHM 320	Food in Film	3
NHM 361	Nutritional Biochemistry	3
NHM 362	Nutrition At Cell Level	3
NHM 372	Intro Food Service Mgt	3
NHM 373	Purchsg Design Risk Mgt Food S	3
NHM 401	Nutrition Health Profesn	3
NHM 457	Childhood Obesity	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.

Restaurant, Hotel and Meetings Management, BS

Students selecting a hospitality management career generally thrive in an environment of helping 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 restaurant, hotel and meetings 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; convention, meetings and event marketing and management.

Students must complete a 500-hour work practicum or internship in a hospitality organization. Students must also select a concentration in restaurant/food and beverage management, hotel/lodging management, meetings/event Planning, or a general 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 RHM major is offered through the traditional on-campus setting or via distance education.

Campus Education RHM 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 adviser. Students choosing a concentration in restaurant/food and beverage, hotel/lodging, meetings/event, or a general concentration must take the required classes mandated by their chosen concentration.

Distance Education RHM Program

Students completing the RHM program via distance education must complete the RHM Core Courses and the Distance General RHM Concentration. The student's academic adviser will assist in selecting appropriate online courses to fulfill academic requirements. Students may fulfill degree requirements for the RHM program entirely online.

Required Courses

RHM 175	Intro Hotel Restaurant Hosp Mg	3
RHM 241	Mgt Of Food/Beverage Operation	3
NHM 250 or NHM 253	Principles of Food Preparation Food Science	3
RHM 251	Hospitality Employee Suprv/Mgt	3
RHM 274	Basic Accounting in the Hospitality Industry	3
RHM 303	Mgn Quality In Hosp Industry	3
RHM 321	Tourism & Hospitality Industry	3
RHM 421	Hospitality Law	3
RHM 469	Internship Hospitality Managem	1
RHM 470	Hospitality Industry Computer Systems	3
RHM 474	Mangr Acct Hospitality Industr	3
RHM 496	RHM Senior Capstone Seminar	1
CSM 204	Intro Personl Finan Plan	3
RHM concentration		15-19
RHM or other electives		13-17
Total Hours		63-71

Concentrations

Restaurant/Food and Beverage Concentration

RHM 285	Food Safety And Risk Management	3
RHM 375 or RHM 385	Managing Catering Operations Event Lead. Prog, Prob Solving	3
RHM 377	Restaurant Management & Servic	3
Select one of the following:		3
RHM 420	Hospitality Marketing	
RHM 370	Event Marketing	
MKT 300	Marketing	
RHM 465	Food And Beverage Controls	3
RHM 478	Mgt Service Food Bev Operation	3
Total Hours		18

Hotel/Lodging Concentration

RHM 325 or RHM 332	Lodging Operations & Managemnt Front Office Management	3
RHM 375 or RHM 385	Managing Catering Operations Event Lead. Prog, Prob Solving	3
RHM 420	Hospitality Marketing (or RHM 370 or MKT 300)	3
RHM 450	Issues Hotel & Lodg. Mgmt.	3
RHM 479	Convention Management & Servic	3
Total Hours		15

Meetings/Event Concentration

RHM 185	Intro Meetings Events Ind	3
RHM 370	Event Marketing	3
RHM 380	Convention Trade Show Manageme	3

RHM 385	Event Lead. Prog, Prob Solving	4
RHM 479	Convention Management & Servic	3
RHM 480	Adv Meeting & Convention Mgt	3
Total Hours		19

General Concentration

RHM 185	Intro Meetings Events Ind	3
RHM 285	Food Safety And Risk Management	3
RHM 325 or RHM 332	Lodging Operations & Managemnt Front Office Management	3
RHM 370	Event Marketing	3
RHM 375 or RHM 385	Managing Catering Operations Event Lead. Prog, Prob Solving	3
RHM 479	Convention Management & Servic	3
Total Hours		18

Distance RHM Program

General Concentration

RHM 175	Intro Hotel Restaurant Hosp Mg	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	Basic Accounting in the Hospitality Industry	3
RHM 285	Food Safety And Risk Management	3
RHM 303	Mgn Quality In Hosp Industry	3
RHM 321	Tourism & Hospitality Industry	3
RHM 332 or RHM 325	Front Office Management Lodging Operations & Managemnt	3
RHM 355	Hospitality Industry Training	3
NHM 374	Quant Food Prod & Servc	3
RHM 420	Hospitality Marketing	3
RHM 421	Hospitality Law	3
RHM 469	Internship Hospitality Managem	1
RHM 470	Hospitality Industry Computer Systems	3
RHM 474	Mangr Acct Hospitality Industr	3
RHM 479	Convention Management & Servic	3
RHM 496	RHM Senior Capstone Seminar	1
CSM 204	Intro Personl Finan Plan	3
Total Hours		56

Graduates are employed in restaurants, commercial and institutional food service, hotel and lodging properties, convention bureaus, convention centers, catering businesses, cruise lines and country clubs. Graduates generally enter the field as management trainees, assistant managers or supervisors. Potential for advancement is excellent for dedicated individuals.

Types of Jobs Accepted

Event/Conference Coordinator, Front Desk Supervisor, Assistant General Manager, Food and Beverage Supervisor, Catering Consultant, Operations Manager, Restaurant Owner, Guest Services Agent, Manager in Training, Restaurant Manager, Marketing Director, Special 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 two to three years after graduation.

Learn more about opportunities in this field at the Career Center

Sample Curriculum for the Restaurant, Hotel and Meetings Management Majors

Freshman Year

Social and behavioral sciences (SB)		3
EN 101	English Composition	3-6
& EN 102 or and English Composition (RHM Elective)		
EN 103	Advanced English Composition	
HES 100	Freshman Compass Human Env Sci	3
RHM 175	Intro Hotel Restaurant Hosp Mg	3
Humanities (HU)		6
Fine arts (FA)		3
Mathematics (MA)		3
EC 110	Principles of Microeconomics	3
Total Hours		27-30

Sophomore Year

Foreign language (FL) or Computer (C)		6-8
Natural science (N)		8
CSM 204	Intro Personl Finan Plan	3
RHM 241	Mgt Of Food/Beverage Operation	3
NHM 250 or NHM 253	Principles of Food Preparation Food Science	3
RHM 251	Hospitality Employee Suprv/Mgt	3
RHM 274	Basic Accounting in the Hospitality Industry	3
Total Hours		29-31

Junior Year

Literature (L)		3
Social and behavioral sciences (SB)		3
RHM 303	Mgn Quality In Hosp Industry	3
RHM 321	Tourism & Hospitality Industry	3
Courses in RHM concentration		9-12
RHM or other electives		7
Total Hours		28-31

Senior Year

HES 310	Issues Human Envir Sciences	3
RHM 421	Hospitality Law	3
RHM 469	Internship Hospitality Managem	1
RHM 470	Hospitality Industry Computer Systems	3
RHM 474	Mangr Acct Hospitality Industr	3
RHM 496	RHM Senior Capstone Seminar	1
Courses in RHM concentration		3-6
RHM or other electives		6
History (H)		3

Social and behavioral sciences (SB)	3
Total Hours	29-32

General Studies in HES, 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: Apparel and Textiles, Consumer Sciences, Food and Nutrition, Health Studies, Human Development & Family Studies, and Restaurant, Hotel, & Meetings Management. Most students drawn to HES share the goal of improving the quality of life of individuals, families, and communities.

The curriculum in general studies in human environmental sciences enables students to integrate knowledge from all areas of the field and prepares them for employment or further study. The general studies option is designed for those interested in careers in cooperative extension, government, human services, utility companies or an area of the communications field. Courses are selected in consultation with an adviser.

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 general 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 and must include a minimum of 35 hours of coursework offered by the College of Human Environmental Sciences.
- 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 adviser chosen from the area of specialization.
- The proposal must indicate that the student has examined the consequences of the proposed program in relation to career goals and post-graduation plans.

The minimum requirements for a degree in General Studies 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 Human Envir Sciences for all students, HES 100 Freshman Compass Human Env Sci for new freshmen on campus and HES 103 Distance Compass HES for new online freshmen).
- 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 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 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 general studies option is designed for those interested in careers that combine two or more areas in HES. Courses are selected in consultation with an advisor 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

Freshman		
Fall	Hours Spring	Hours
EN 101	3 EN 102	3
HES 100	3 Natural Science core	4
FA core	3 Humanities core	3
Math core	3 SB core	3
Elective	3 Elective Course	3
	15	16
Sophomore		
Fall	Hours Spring	Hours
Lit core	3 FL or C core	3
SB core	3 History core	3
FL or C core	3 HU LIT or FA core	3
NS core	4 HES course	3
HES course	3 Elective	3
	16	15
Junior		
Fall	Hours Spring	Hours
SB or History core	3 Writing core	3
Writing Core	3 HES courses	9
HES 310	3 Elective	3
HES course	3	
Electives	3	
	15	15
Senior		
Fall	Hours Spring	Hours
HES courses	9 HES courses	9
Electives	6 Electives	4
	15	13

Total Hours: 120

Faculty

Assistant Dean/Department Chair

Meyer, Mary Kay

Instructor

Galloway, Hunter

Interdisciplinary Studies

The degree in Interdisciplinary Studies is designed for the mature learner with prior college credit in various disciplines. It enables the student to build on academic preparation combined with work experience in a particular career or field to develop with the advice of an advisor, an individualized program leading to a Bachelor of Science or a Bachelor of Arts.

The Bachelor's Degree with a major in Interdisciplinary Studies (IDHS) is designed to maximize already-earned credits and earn a degree in the shortest amount of time for students with a significant number of college credit hours (approximately 100 +) who have been working in the career field of their choice for a period of time or are currently enrolled University of Alabama students under special circumstances.

The general requirements for the major in IDHS are:

120 credits earned and applied under general guidelines to the degree (this includes transfer limits etc.)

2.0 UA, Overall, and major GPA

Completion of UA's General Education Requirements

A 30 hour block of courses that represent a significant body of work related to the student's career path which should include courses at the 300 and 400 level.

Students who are interested in pursuing the BS or BA Degree in IDHS should meet with an advisor in the College of Human Environmental Sciences to determine if this program meets their needs. If approved, the advisor and the student will develop a plan to complete the degree.

CULVERHOUSE COLLEGE OF COMMERCE & BUSINESS ADMINISTRATION

The Culverhouse College of Commerce 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).

Undergraduate students in commerce and business administration may major in accounting, economics, finance, general business, management, management information systems, marketing or operations management. Students in business may complete more than one major, including a non-business major, a non-business minor and a specialization in a particular business field.

Department of Information Systems, Statistics and Management Science (p. 567)

Culverhouse School of Accountancy (p. 570)

Department of Economics (BS), Finance and Legal Studies (p. 572)

Department of Management (p. 577)

Department of Marketing (p. 582)

General Degree Requirements

The requirements specified in this catalog are intended for all students who begin their college careers during or after the fall of 2016. Students who have begun their careers prior to fall 2016 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 may not choose some requirements from this catalog and some from previous catalogs.

Student Responsibilities

- Each student is responsible for selecting courses that will allow him or her to make reasonable progress toward a degree in the college. An appointment with an adviser in the A.H. Bean Undergraduate Student Services Center to develop a long-term academic plan is strongly encouraged.
- Each student is responsible for following University and college policies appearing in official documents, including those on the University and college websites, governing academic programs, curricula, courses and completion of degrees.
- Each student is expected to pursue successful completion of all courses in which he or she enrolls.
- Each student is expected to maintain a current and accurate mailing address, email address and phone number with the A.H. Bean Undergraduate Student Services Center, and to respond promptly to all communications from the University and the college.
- Each student is expected to be familiar with the current academic calendar.

Maximum Class Hour Load Per Semester

Entering freshman students may enroll in a maximum of 16 semester hours during the first semester in residence. Continuing students may register for a maximum of 16 semester hours during the fall and spring semesters and a maximum of 14 semester hours during the summer session without special permission or additional charges.

Students must register for a minimum of 12 semester hours in order to be classified as full-time students. Students who wish to take less than a full-time course load must secure permission from the Associate Dean of Undergraduate Programs.

Selecting a Major

Eligible students should declare a major via the Student tab in MyBama once all lower-division requirements have been satisfied (see "Admission Requirements (p. 265)").

A student who is eligible for the upper division but is not yet ready to declare a major must change from lower-division status to the General Business major until he or she is ready to select a major program. Students who need information to enable them to select majors appropriate to their academic and career interests should consult with faculty advisors in their respective departments, or with the staff of the A.H. Bean Undergraduate Student Services Center, 10 Bidgood Hall.

If a student wishes to change majors after admission to the upper division, a current minimum GPA of 2.5 is required to change to any major except General Business.

Department and Program Requirements

A total of 120 hours, distributed as follows, are required for the degree of bachelor of science in commerce and business administration:

General Education Courses

A minimum grade of C- is required in each course

EC 110	Principles of Microeconomics	3
EC 111	Principles of Macroeconomics	3
EN 101	English Composition	3
EN 102	English Composition	3
MATH 121 or MATH 125	Calculus & Applications Calculus I	3
ST 260	Statistical Data Analysis	3

Natural Science: eight hours designated N, including at least two hours of laboratory experience.

Humanities and Fine Arts: 12 hours total; at least three hours of Literature¹ (designated L) and at least three hours of Fine Arts (designated FA). The remaining six hours may be chosen from either Humanities (designated HU), Literature or Fine Arts.

History and Social/Behavioral Sciences: 12 hours total; at least three hours in History¹ (designated HI) and at least six hours chosen from other disciplines in the social and behavioral sciences (designated SB). EC 110 Principles of Microeconomics and EC 111 Principles of Macroeconomics (required above) satisfy six hours of this requirement.

Foreign Language or Computer Language: Two semesters (six to eight hours) of foreign language credit (designated FL) or two semesters of C-designated computer language courses (six hours). This requirement will be satisfied by completing ST 260 Statistical Data Analysis and one additional C-designated course; some majors require a specific course to complete this requirement. See departmental sections for details.²

¹ Every student must complete a six-hour sequence in either Literature or History.

- ² Students must complete two semesters (six to eight hours) of a foreign language designated FL or earn equivalent credit by examination; or they must earn six semester hours in C-designated courses. Foreign language courses must be selected from non-commerce electives taken to meet the general education requirements. Students enrolling in C courses are expected to have basic computer application skills. Students lacking these skills, as determined by University policy, will be required to take a course or courses designed to develop the required skills. Credit for the course(s) will count as part of the students' electives.

Lower Division Functional Field Courses

A minimum grade of C- is required in each course

AC 210	Intro To Accounting	4
LGS 200	Legal Environment of Business	3

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 Precalculus Algebra or MATH 115 Precalc Algebra & Trig. MATH 100 Intermediate Algebra, MATH 112 Precalculus Algebra, and/or MATH 115 Precalc Algebra & Trig 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 concentrate in quantitative finance are required to complete MATH 125 Calculus I, MATH 126 Calculus II, and MATH 227 Calculus III. Other majors require students to complete MATH 121 Calculus & Applications or MATH 125 Calculus I. MATH 125 Calculus I, MATH 126 Calculus II, and MATH 227 Calculus III are four-hour courses.

Upper Division

Applicants for the upper division in the Culverhouse College of Commerce and Business Administration must complete at least 60 semester hours prior to admission into the upper division. The 60 hours should be chosen from the requirements listed above and must include degree credits for EC 110 Principles of Microeconomics and EC 111 Principles of Macroeconomics; MATH 121 Calculus & Applications or MATH 125 Calculus I; EN 101 English Composition and EN 102 English Composition; AC 210 Intro To Accounting; ST 260 Statistical Data Analysis; and LGS 200 Legal Environment of Business (or their equivalents). Additionally, at least four hours of natural science, three hours of fine arts, literature or humanities, and three hours of history or social and behavioral sciences should be completed. Failure to earn degree credit for these specific courses, or to earn at least 60 semester hours overall, will make students ineligible for admission to the upper division and for enrollment in 300- and 400-level C&BA courses.

Upper Division Functional Field Courses

FI 302	Business Finance	3
GBA 300	Business Communications	3
GBA 490	Strategic Management	3
MGT 300	Organizational Theory & Behavior	3
MKT 300	Marketing	3
OM 300	Intro Operations Management	3

- ¹ A minimum grade of C- is required in each course.

Major Program Courses: 18 hours; see departmental listings for specific requirements in each major.

Electives: 22-33 hours; GBA 145 Freshman Compass: CBA is highly recommended for students who enter the College as freshmen.

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 advisors for a list of approved courses. Any course taken abroad will also satisfy this requirement.

Some departments may specify some required elective courses. Consult your major department for further information.

Suggested Courses for Freshman and Sophomore Years

The following suggested course sequences for freshman and sophomore (lower-division) students are intended to assist students in planning their schedules to include the required pre-business coursework. Academic advisors for Commerce students are available in the A.H. Bean Undergraduate Student Services Center, 10 Bidgood Hall.

Suggested Course Sequence for Students Placed into MATH 100 Intermediate Algebra

Freshman		
Fall	Hours Spring	Hours
EN 101 ³	3 EC 110 ³	3
GBA 145 ¹	1 EN 102 ³	3
MATH 100 ³	3 MATH 112 ³	3
Core Fine Arts ³	Core Natural Science ⁴	
Core History ³	Free Elective (or MIS 200 for General Business majors) ³	
Core Humanities or Fine Arts ³		
	7	9

Sophomore		
Fall	Hours Spring	Hours
EC 111 ³	3 AC 210 ⁴	4
MATH 121 ³	MATH LGS 200 ³	3
	125	
Core History or SB Science ³	ST 260 ³	3
Core Literature ³	Free elective ³	
Core Natural Science ⁴	Core Literature, Humanities, or Fine Arts ³	
	3	10

Total Hours: 29

Suggested Course Sequence for Students Placed into MATH 112 Precalculus Algebra

Freshman		
Fall	Hours Spring	Hours
EC 110 ³	3 EC 111 ³	3
EN 101 ³	3 EN 102 ³	3
GBA 145 ¹	1 MATH 121 ³	MATH
		125
MATH 112 ³	3 Free Elective (or MIS 200 for General Business majors) ³	
Core Fine Arts ³	Core Natural Science ⁴	

Core History ³		
	10	6
Sophomore		
Fall	Hours Spring	Hours
ST 260	3 AC 210 ⁴	4
Core History or SB Science ³	LGS 200	3
Core Humanities or Fine Arts ³	Free Electives ⁶	
Core Literature ³	Core Literature, Humanities, or Fine Arts ³	
Core Natural Science ⁴		
	3	7

Total Hours: 26

Major Programs

The following majors are offered in the Culverhouse College of Commerce. Each major requires at least 18 hours of coursework:

- Accounting
- Economics
- Finance
- General Business
- Management
- Management Information Systems
- Marketing
- Operations Management

In addition to the requirements for the major, students are encouraged to complete a second major, specialization in business, and/or a major or minor outside of business. Some majors require students to complete a specialization. Students should consult with their advisors and major departments about approved courses of study.

Graduation Requirements

In order to qualify for a bachelor's degree in the Culverhouse College of Commerce and Business Administration, a student must earn a minimum of 120 semester hours of credit as specified in this catalog. A minimum of 30 hours must be earned in residence at The University of Alabama and in the College.

Total hours of study. A minimum of 120 semester hours of credit as specified in this catalog is required for the degree of bachelor of science in commerce and business administration.

Academic standards. 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 Commerce and Business Administration. (These standards are subject to change.)

- Each student must earn a grade point average of at least 2.0 ("C") for all coursework attempted at The University of Alabama.
- Each student must earn a grade point average of at least 2.0 ("C") for all college-level coursework attempted.
- Each student must earn a grade point average of at least 2.0 ("C") for all coursework attempted in the major program.
- Each student must earn a grade of "C-" or better in required general education courses.
- Each student must earn a grade of "C-" or better in each of the business administration functional field courses.

It is the student's responsibility to make sure that each of the above requirements has been met. Students should utilize DegreeWorks, the online academic planning system, to ensure that they are making adequate progress toward the degree. The C&BA registrar is available to students who wish to verify their records.

Application for degree. Each candidate for graduation from C&BA 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. In all cases, an application for degree must be filed online via MyBama no later than the time at which the degree candidate registers for his or her final semester in residence. Students who apply for their degrees after registration for the final semester will not receive their diplomas until the following term.

A student who wishes to complete degree requirements at any institution other than The University of Alabama, or by any means other than residency in the College, may do so only on the advice of the C&BA registrar and with the approval of the department head of the major field in which the student expects to earn a degree. Such students must meet all the above requirements.

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.

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 Commerce as a lower-division 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 LAC, LEC, LFI, LMGT, LMKT, LMIS, LOM, or LGB, depending on their intended major. All lower-division students are administratively housed in the College, and they receive academic advising in the A.H. Bean Undergraduate Student Services Center in 10 Bidgood Hall.

Admission as a Transfer Student

A student seeking to transfer into the Culverhouse College of Commerce from another institution must have an official transcript sent directly to the UA Office of Undergraduate Admissions from each college or university previously attended. For admission to the University and to the College, the student is required to have a minimum grade point average of C (2.0 on a 4.0 scale) for all college-level work attempted. For direct admission to the College's upper division, a GPA of at least 2.5 is required for all majors except the general business major, which requires a GPA of 2.0 or above. Transferred credit hours will be applied as appropriate to a student's degree program. The authority to apply or to deny transferred credit rests with the College.

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 Commerce 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 Commerce from two-year colleges. Two-year college transfer students may transfer courses equivalent to the following:

- the College's general education requirements
- restricted and unrestricted electives
- the University's sophomore-level courses that satisfy the business administration lower division functional field requirements (see "Admission to the College's Upper Division" (p. 559))

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 the AACSB will be accepted within the broad limits of the college and the University graduation requirements. Students seeking to transfer credit from institutions not accredited by the AACSB, or by a regional or national accrediting agency, may be granted transfer credit on a provisional basis. Provisional credit may be validated by completing 30 semester hours in residence with a C average or better. Consult the Culverhouse Registrar or the UA Office of Undergraduate Admissions for more information.

A maximum of six semester hours of professional courses taken at another institution may be applied toward a student's major program requirements. Approval is required from the head of the department in which the student expects to earn a degree. 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. 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 one division of the University to another should consult staff members in the student services office of the division into which they intend to transfer. Students are encouraged to contact the new division in advance of the semester in which they intend to transfer. Students will need information about the procedures involved in transferring, as well as the applicability of previous and present coursework to the new division's requirements.

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 A.H. Bean Undergraduate Student Services Center in 10 Bidgood Hall.

Admission to the College's Upper Division

Business students admitted to the upper division of the College and to a major program upon completion of all lower-division requirements, which are outlined below. After the semester in which these requirements are satisfied, students may declare their major, specialization, and minor via the Student tab in MyBama.

Requirements

Students are eligible for admission to the upper division and to a major program—and are therefore entitled to enroll in 300- and 400-level business courses—only if they meet the following standards:

- Students must have earned a minimum of 60 hours of credit. Credit earned by such means as Advanced Placement (AP), CLEP or departmental placement is counted toward the 60-hour requirement. Students who have completed coursework at another institution and wish to have that work applied to the 60-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 60-hour requirement. Courses (and hours) in which a student has earned a grade of Incomplete (I) cannot be included in the calculation of the 60-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:

AC 210	Intro To Accounting	4
EC 110	Principles of Microeconomics	3
EC 111	Principles of Macroeconomics	3
EN 101	English Composition	3
EN 102	English Composition	3
LGS 200	Legal Environment of Business	3
MATH 121 or MATH 125	Calculus & Applications Calculus I	3-4
ST 260	Statistical Data Analysis	3

- Students have a maximum of **three attempts** at completing each of these courses with a grade of C- or higher. If the third attempt is unsuccessful, the student will not be allowed to register for a fourth attempt without permission from the assistant dean for undergraduate programs. If that permission is not granted, the student may change to another division within the University.
- Students may register for upper-division courses while still enrolled in lower-division courses, but they will be disenrolled from all upper-division courses if these requirements are not met prior to beginning the upper-division courses.

Except for the general business major, which requires a minimum grade point average of 2.0, students admitted to the upper division of the College and approved to begin Commerce coursework at the 300- and 400-level 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 assistant dean of undergraduate programs 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. These admission standards have been established by the Culverhouse faculty and are subject to change.

If a student wishes to change majors once he or she has been admitted to the upper division, a current minimum GPA of 2.5 is required to change to any major except General Business.

Students majoring in Management Information Systems are required to complete MIS 120 Business Programming I, MIS 220 Business Programming II, and MIS 295 Business Analysis Project Management.

Students specializing in quantitative finance or quantitative economics are required to complete MATH 125 Calculus I, MATH 126 Calculus II, and MATH 227 Calculus III.

Declaring the Major/Admission to the Upper Division

Students who have completed the aforementioned requirements should log in to their MyBama account, go to the Student tab, and click the "Major/Minor" button to select a major, specialization and/or minor. This should be done after end-of-term processing is complete for the semester in which the student has satisfied all lower-division requirements (typically one week after the end of final exams). Students who are unable to declare a major should visit an on-call advisor in the A.H. Bean Undergraduate Student Services Center, 10 Bidgood Hall.

Students who attempt to enroll in 300- or 400-level courses in violation of any of these policies will be administratively disenrolled from courses for which they are not eligible.

Non-Commerce Majors in Upper-Level Commerce Courses

Students from other divisions of the University may enroll in 300- and 400-level Culverhouse College of Commerce courses, subject to the following conditions:

1. Students must have achieved junior standing, defined as a minimum of 60 earned credit hours. Economics majors and economics minors in the College of Arts and Sciences may enroll in 300-level economics (EC) courses prior to achieving junior standing.
2. Students must have earned credit for course-specific prerequisites of the courses in which they wish to enroll.
3. Non-business majors may no earn more than 30 semester hours of Commerce courses (excluding EC 110 Principles of Microeconomics, EC 111 Principles of Macroeconomics, and ST 260 Statistical Data Analysis) without approval from the associate dean for undergraduate programs.

Students who attempt to enroll in 300- or 400-level Commerce courses in violation of any of these policies will be administratively disenrolled from courses for which they are not eligible.

Non-Commerce Students Pursuing Second Majors in Commerce

Students from other divisions of the University may wish to pursue a second major in the College of Commerce. These students must complete the same required courses as students who are earning the Bachelor of Science degree in Commerce and Business Administration; this includes all six required lower-division courses (noted above), all six upper division functional field courses, and all required major program courses. Any student who is considering this should contact the Culverhouse Registrar to guarantee that all requirements will be met.

Each academic department offers specializations within the department's subject areas. Students should consult with their advisor and major department about current offerings and requirements, as these are subject to change. Students must meet all course-specific prerequisites for each course in a specialization, and must meet the requirements for admission to the upper division of the college in order to take 300- and 400-level courses.

Courses from a major program cannot be used to satisfy specialization requirements unless otherwise noted, or unless permission is granted by the department chair.

Some specializations are restricted to certain majors, and some are prohibited for other majors. See the description of each specialization for details.

A minimum GPA of 2.0 for all required courses in a specialization is necessary for the specialization to be awarded.

Culverhouse School of Accountancy
Accounting (for non-majors)

Accounting		Hours
For non-Accounting majors; not open to General Business majors. 2.0 GPA is required.		
AC 310	Financial Reporting & Analysis of Business Activities I	3
AC 311	Financial Reporting & Analysis of Business Activities II	3
Select one of the following:		3
AC 361	Cost Analysis for Planning & Control	
AC 371	Introduction To Taxation	
AC 389	Accounting Information Systems - Development, Operation, and Control	
Total Hours		9

Professional Accounting		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	Introduction to Financial Institutions and Markets	
FI 341	Fundamentals of Risk Management & Insurance	
FI 410	Intermediate Financial Mgt	
FI 414	Investments	
IBA 350	Introduction to World Business	
Total Hours		9

Economics, Finance and Legal Studies
Economics

Applied Microeconomics		Hours
Students must major in economics.		
Select three of the following:		9
EC 410	Law And Economics	
EC 412	Industrial Organization	
EC 423	Public Finance	
EC 430	International Trade	
EC 442	Economic Development of Latin America	
EC 444	Political Economy of Terrorism	

EC 480	Economics of the Environment and Natural Resources	
EC 482	Seminar on Economic Issues	
Total Hours		9

Economics (for non-majors)

Economics

For non-Economics majors.

EC 308	Intermediate Microeconomics	3
EC 309	Intermediate Macroeconomics	3
Two 300- or 400-level EC electives		6
Total Hours		12

Econometrics & Forecasting

Econometrics & Forecasting

Students must major in Economics.

EC 413	Economic Forecasting & Analysis	3
EC 470	Introduction to Mathematical Economics	3
EC 471	Econometrics	3
Total Hours		9

International Economics

International Economics

Students must major in Economics, complete at least three years (six semesters) of foreign languages, and spend a semester abroad.

EC 430	International Trade	3
EC 431	International Finance	3
EC 442	Economic Development of Latin America	3
Total Hours		9

Macroeconomic & Monetary Policy

Macroeconomics & Monetary Policy

Students must major in Economics.

EC 413	Economic Forecasting & Analysis	3
EC 416	Monetary Theory & Policy	3
EC 431	International Finance	3
Total Hours		9

Public Policy & Law

Public Policy & Law

Students must major in Economics.

Select three of the following:		9
EC 410	Law And Economics	
EC 412	Industrial Organization	
EC 423	Public Finance	
EC 444	Political Economy of Terrorism	
EC 480	Economics of the Environment and Natural Resources	
EC 482	Seminar on Economic Issues	
Total Hours		9

Quantitative Economics

Quantitative Economics

Hours

Students must major in Economics.

MATH 125	Calculus I	4
MATH 126	Calculus II	4
MATH 227	Calculus III	4
MATH 237	Introduction to Linear Algebra	3
EC 413	Economic Forecasting & Analysis	3
EC 470	Introduction to Mathematical Economics	3
EC 471	Econometrics	3
ST 454 or MATH 355	Mathematical Statistics I Theory Of Probability	3
ST 455 or MATH 451	Mathematical Statistics II Math Stats W/Applictn I	3
Total Hours		30

Finance

Actuarial Science

Hours

Not open to General Business majors.

MATH 125 & MATH 126 & MATH 227	Calculus I and Calculus II and Calculus III	12
EC 413	Economic Forecasting & Analysis	3
FI 341	Fundamentals of Risk Management & Insurance	3
FI 389	Financial Analysis and Modeling	3
FI 419	Financial Derivatives	3
FI 497	Special Topics In Finance (1 hour of P exam prep, 3 hours of FM exam prep)	4
ST 450	Statistical Methods in Research I (Prerequisite for ST 452)	3
ST 452	Applied Regression Analysis	3
ST 454 or MATH 451	Mathematical Statistics I Math Stats W/Applictn I	3
ST 455 or MATH 452	Mathematical Statistics II Math Stats W/Applictn II	3
Non-Finance major requirements ¹		0-6
Total Hours		40-46

¹ Non-Finance majors will need to take FI 410 Intermediate Financial Mgt and FI 414 Investments if they plan to sit for the actuarial exams.

Finance (for non-majors)

Finance

Hours

For non-Finance majors.

EC 308	Intermediate Microeconomics	3
FI 301	Introduction to Financial Institutions and Markets	3
Select two of the following:		6
FI 410	Intermediate Financial Mgt	
FI 412	Money & Capital Markets	
FI 414	Investments	
Total Hours		12

Financial Management**Financial Management****Hours**

Students must major in Finance.

AC 310	Financial Reporting & Analysis of Business Activities I	3
AC 311	Financial Reporting & Analysis of Business Activities II	3
AC 361	Cost Analysis for Planning & Control	3
AC 389	Accounting Information Systems - Development, Operation, and Control	3
FI 411	Corporate Financial Policy (may be substituted for FI 412 in the Finance major)	3
FI 419	Financial Derivatives (may be substituted for EC 309 in the Finance major)	3
Total Hours		18

Insurance & Financial Services: Risk Management**Insurance & Financial Services: Risk Management****Hours**

FI 341	Fundamentals of Risk Management & Insurance	3
Select three of the following:		9
FI 360	Personal Asset Management	
FI 442	Business Risk Management	
FI 443	Property Liability Insurance	
FI 444	Life & Health Insurance	
LGS 403	Estates & Trusts	
Total Hours		12

International Finance**International Finance****Hours**

Students must major in Finance, take at least three years (six semesters) of foreign languages, and spend a semester abroad.

EC 430	International Trade	3
FI 431	International Finance	3
EC 442	Economic Development of Latin America	3
Total Hours		9

Investment Management**Investment Management****Hours**

Students must major in Finance.

AC 352	Corporate Financial Reporting	3
FI 415	Advanced Investment Topics	3
FI 419	Financial Derivatives	3
Total Hours		9

Personal Wealth Management**Personal Wealth Management****Hours**

AC 371	Introduction To Taxation	3
FI 341	Fundamentals of Risk Management & Insurance	3
FI 360	Personal Asset Management	3
FI 444	Life & Health Insurance	3
FI 460	Advanced Financial Planning	3
LGS 403	Estates & Trusts	3

Non-Finance major requirements ¹

0-3

Total Hours 18-21

¹ Non-Finance majors will need to take FI 414 Investments to sit for the CFP exam.**Quantitative Finance****Quantitative Finance****Hours**

Students must major in Finance.

MATH 125	Calculus I	4
MATH 126	Calculus II	4
MATH 227	Calculus III	4
MATH 237	Introduction to Linear Algebra	3
EC 413	Economic Forecasting & Analysis	3
FI 419	Financial Derivatives	3
ST 454 or	Mathematical Statistics I	3
MATH 355	Theory Of Probability	
ST 455 or	Mathematical Statistics II	3
MATH 451	Math Stats W/Applictn I	
Total Hours		27

Real Estate**Real Estate****Hours**

FI 331	Principles of Real Estate	3
FI 436	Real Estate Financing	3
Select two of the following:		6
CE 463	Construction Cost Estimating	
FI 334	Introduction to Real Estate Property Management	
FI 432	Real Estate Appraisal	
LGS 407	Real & Personal Property	
Total Hours		12

Information Systems, Statistics and Management Science**Management Information Systems****Business Information Technology****Business Information Technology****Hours**

MIS 120	Business Programming I	3
MIS 220	Business Programming II	3
MIS 295	Business Analysis Project Management	3
MIS 320	Application & Information Architecture	3
MIS 330	Database Administration	3
MIS 340	Data Communication in a Global Environment	3

Total Hours 18

e-Decision Support**e-Decision Support****Hours**

MIS 200	Fundamentals of Management Information Systems	3
MIS 340	Data Communication in a Global Environment	3
MIS 440	Decision Support Systems	3

Total Hours 9

Operations Management

Production Management

Production Management

Students must major in Operations Management.

	Hours
OM 417 Logistics Management	3
OM 427 Purchasing and Sourcing	3
OM 450 Process Management & Improvement	3
OM 487 Capstone Project Seminar	3
Total Hours	12

Supply Chain Management

Supply Chain Management

	Hours
OM 417 Logistics Management	3
OM 427 Purchasing and Sourcing	3
MKT 422 Supply Chain Strategy	3
IBA 460 Export/Import Management	3
Total Hours	12

Statistics

Business Intelligence

Business Intelligence

	Hours
OM 310 Introduction to Management Science	3
MIS 440 Decision Support Systems	3
ST 451 Statistical Methods in Research II	3
Total Hours	9

Management and Marketing

Management

Entrepreneurship

Entrepreneurship

Faculty Advisor: Dr. Louis D. Marino

The mission of the entrepreneurship focus area in the management major is to equip students with the knowledge, skills and abilities necessary to identify and evaluate opportunities and then to capitalize on these opportunities by innovating within existing firms or founding new ventures. Students in this focus area will work closely with faculty and experienced entrepreneurs to gain hands-on experience in key activities necessary to build sound business models and acquire critical resources as they 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.

Entrepreneurship

This Specialization may be applied toward the Management Major.

	Hours
MGT 386 Foundations of Entrepreneurship	3
MGT 387 Creating, Recognizing, Evaluating and Pitching Opportunities	3
MGT 388 Starting, Growing, and Harvesting New Ventures	3
MGT 481 New Venture Finance	3
Capstone Experience - select one:	6
Small Business Management and Consulting	
MGT 484 Small Business Management	
MGT 486 Small Business Consulting	

New Product Development

MGT 484	Small Business Management	
MKT 410	Managing Innovation	
Electives - select two of the following:		6
EC 410	Law And Economics	
FI 331	Principles of Real Estate	
HCM 360	Introduction to Health Systems	
IBA 350	Introduction to World Business	
IBA 460	Export/Import Management	
LGS 407	Real & Personal Property	
MGT 301	Intro to Human Resources Management	
MGT 310	Practicum in Management	
MGT 322	Effective Negotiations	
MGT 406	Family Business Management	
MGT 412	Management Presentations	
MGT 421	Corporate Entrepreneurship & Innovation	
MGT 452	Project Management Communication	
MKT 321	Retail Management	
MKT 337	Personal Selling	
MKT 376	Services Marketing	
MKT 411	Supply Chain Management	
OM 427	Purchasing and Sourcing	

Health Care Management

Healthcare Analytics

Faculty Advisor: Dr. Marilyn V. Whitman

The healthcare analytics specialization provides undergraduate students with the skills to meet the complex needs of healthcare organizations.

Students in the healthcare analytics specialization 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 eight-course sequence aims to develop analytics competencies in our students to prepare them for entry-level analyst positions in a variety of healthcare settings.

Healthcare Analytics

Hours

This Specialization may be applied toward the Management Major.

HCM 360	Introduction to Health Systems	3
HCM 361	Healthcare Finance and Reimbursement	3
HCM 362	Health Information Systems	3
HCM 463	Healthcare Systems Improvement	3
HCM 464	Healthcare Data Mining	3
HCM 465	Healthcare Analytics Projects Course	3
MGT 452	Project Management Communication	3
Select one of the following:		3
HCM 492	Internship	
MGT 301	Intro to Human Resources Management	
MGT 310	Practicum in Management	
MGT 386	Foundations of Entrepreneurship	
MGT 412	Management Presentations	

MGT 422 Leadership Communication

OM 310 Introduction to Management Science

Total Hours 24

Human Resources

Human Resource Management

Faculty Advisor: Dr. Jonathon R. Halbesleben

The human resource management specialization develops student skills for the effective management of human resources in organizations.

The six-course curriculum trains students to strategically address human resource issues to improve organizational performance. The curriculum is aligned with Society for Human Resource Management (SHRM) curriculum guidelines and prepares students to pass the SHRM Assurance of Learning certification exam.

Human Resource Management

Hours

This Specialization may be applied toward the Management Major.

MGT 301	Intro to Human Resources Management	3
MGT 431	Employee Recruitment, Selection, and Placement	3
MGT 432	Employee Relations	3
MGT 433	Compensation and Performance Management	3
MGT 434	Training and Development	3
MGT 437	Strategic Human Resource Management	3
Select two of the following:		6
HCM 360	Introduction to Health Systems	
IBA 350	Introduction to World Business	
MGT 310	Practicum in Management	
MGT 322	Effective Negotiations	
MGT 386	Foundations of Entrepreneurship	
MGT 412	Management Presentations	
MGT 420	Organizational Change	
MGT 422	Leadership Communication	
MGT 452	Project Management Communication	
MGT 492	Internship In Human Resources Management	
Total Hours		24

Management Communication

Management Communication

Faculty Advisor: Dr. Kim S. Campbell

The courses in this specialization help students manage what they communicate as young professionals. These courses improve the impression students make when communicating orally and visually. Students exercise their emotional intelligence to gain acceptance as leaders when communicating interpersonally. They gain professional experience by managing a client project and refining their interpersonal, oral, visual and written communication skills. Students get hands-on, in-class practice with individual mentoring in all three courses.

Management Communication

Hours

MGT 412	Management Presentations	3
MGT 422	Leadership Communication	3
MGT 452	Project Management Communication	3
Total Hours		9

Marketing

International Business

International Business

The internationalization of business is a critical reality to those operating in the modern business world. Understanding cross-cultural differences in markets and business practices and adopting an international competitive mindset is critical to the success of today's business leaders. The international business specialization is designed for students who are interested in entering the international arena. This program is designed for students of any major, with electives that span such areas as marketing, management, economics and finance. Due to the nature of international business, this specialization requires 12-15 total hours, including an overseas study component.

International Business

IBA 350	Introduction to World Business	3
IBA 351	Multinational Business Communication	3
IBA 460	Export/Import Management	3
Approved Study Abroad course		3
Select one of the following electives: ¹		0-3
IBA 455	Global Marketing	
EC 430	International Trade	
EC 442	Economic Development of Latin America	
EC 431 or	International Finance	
FI 431	International Finance	
Total Hours		12-15

¹ In program-approved situations, the global elective and the study abroad class could be one and the same (e.g., the global accounting standards class offered abroad by the accounting department).

Professional Sales

Professional Sales

Sales is a program of preparation for students that want to fast-track their business careers. This concentration provides:

1. practical application of sales and self-preservation techniques
2. access and exposure to business recruiters from Fortune 100 companies
3. valuable persuasion and communication skills that can be used to advance any career in business

Professional sales is a career that is very much in demand. There are still more job openings than qualified applicants. Also, the benefits and compensation packages for professional sales positions make it one of the highest paid fields in marketing.

Professional Sales

Hours

MKT 337	Personal Selling	3
MKT 437	Advanced Selling	3
MKT 438	Sales Management	3
MKT 439	Key Account Management	3
Total Hours		12

Services Marketing

Services Marketing

Services are now a major driver of the U.S. and world economy. Therefore, 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 specialization 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		Hours
MKT 376	Services Marketing	3
MKT 476	Services Management	3
MKT 477	Advanced Services Marketing	3
Total Hours		9

Auditing Courses

Students may register for courses as auditors with the approval of the departments offering the courses. 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.

Online Courses

Culverhouse students may enroll in online courses through the College of Continuing Studies. 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. Further information about online courses is available through the College of Continuing Studies.

Pass/Fail Option

The University and the Culverhouse College of Commerce offer students the opportunity to pursue courses on a pass/fail basis as a means of encouraging students to broaden their interests and learning experiences beyond their business specializations. To register for a course on a pass/fail basis, a student must gain approval in the A.H. Bean Undergraduate Student Services Center, 10 Bidgood Hall. The deadline for registering for a course on a pass/fail basis coincides with the deadline for adding courses at the beginning of each semester.

The College Registrar is responsible for determining that each student requesting the pass/fail option meets the following criteria:

1. The student must have attained sophomore standing (a minimum of 30 hours earned).¹
2. If the student is a transfer student, he or she must have earned 15 hours or more in residence, maintaining a grade point average of at least 2.0 in residence.¹
3. The student must have an overall grade point average of 2.0 or higher.
4. The course the student wishes to take on a pass/fail basis must be a non-commerce elective. Business courses (required or elective) may not be taken on a pass/fail basis except in the case of courses that are offered only as pass/fail courses.
5. Courses that will be used to satisfy University of Alabama Core Curriculum requirements may not be taken on a pass/fail basis.

6. The student may take a maximum of four courses (or 12 hours) of coursework on a pass/fail basis while earning an undergraduate degree.
7. The student may take no more than one course per semester on a pass/fail basis.
8. Business students will not be allowed to register for courses on a pass/fail basis after the deadline for adding courses, and once the option is selected it may not be rescinded.

¹ Several specialized courses offered only on a pass/fail basis may be taken in the freshman year or the first semester in residence (for transfer students). Consult the Culverhouse Student Services Office for further information.

Policy on Repeating Courses

A course may be repeated, but the record of both the original and the repeat enrollment will appear on the student's transcript. Both attempts will be counted as hours attempted, but only the second attempt will count as hours earned for the degree. If the course is passed on the first attempt, but failed on the second attempt, the student will not earn credit for the course toward a degree.

The MIS Program and the Culverhouse School of Accountancy have their own rules for repeating courses required in their majors. Consult the MIS Program and the Culverhouse School of Accountancy for more information.

Policy on Mathematics Courses

The analysis of many business problems calls for mathematical reasoning. Students should take the highest-level mathematics sequence for which they are eligible. The MATH 112 Precalculus Algebra and MATH 121 Calculus & Applications sequence provides the minimum skills for pursuing an undergraduate business degree, but this is not a substitute for MATH 125 Calculus I. Any sequence that includes MATH 125 Calculus I is preferable to the MATH 112 Precalculus Algebra and MATH 121 Calculus & Applications sequence. Those students who are interested in graduate study or in working in technical positions should choose a course of study that will lead to at least partial completion of the standard calculus sequence: MATH 125 Calculus I, MATH 126 Calculus II and MATH 227 Calculus III.

Below are specific rules that govern mathematics requirements for Commerce students:

1. 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.
2. The College will not grant degree credit for any mathematics course numbered lower than MATH 100 Intermediate Algebra at The University of Alabama.
3. The College will not grant degree credit for any mathematics course offered for transfer credit from a junior college which is titled, or has the substance of, "business mathematics" or "mathematics for finance."

Business and Foreign Language, Dual Major

The modern business environment is truly global, and the dual major provides students the training necessary to succeed in that environment. The dual major student completes a major program in the Culverhouse College of Commerce, as well as a second major in Spanish or Foreign

Languages and Literature (French track or German track). The result is a superior skill set derived from cutting-edge business training and thorough study of a language and the culture associated with it. Such a program creates students who are technically proficient, culturally sensitive and flexible enough to deal with the business challenges of the future.

Major programs in the Culverhouse College of Commerce

- Management Information Systems (MIS) (p. 568)
- Operations Management (BS) (p. 569)
- Accounting (BS) (p. 571)
- Economics (BS) (p. 573)
- Finance (BS) (p. 575)
- General Business (BS) (p. 579)
- Management (BA) (p. 580)
- Marketing (BA) (p. 583)

Foreign Language Courses for Dual Majors

In addition to the requirements for a major in commerce, students must complete the requirements in a foreign language described in the following sections. Students should consult with the Culverhouse Registrar about current requirements for simultaneous degree programs (as opposed to dual or double majors).

Commerce - Second Major in French

	Hours
FR 201 Intermediate French	3
FR 202 Intermediate French	3
FR 321 Voices In French	3
FR 323 Text, Image, And Word	3
FR 324 Commercial French	3
Select two of the following:	6
FR 331 French Civilization	
FR 361 Intro Romance Linguistic (Same as IT 361 and SP 361)	
FR 431 Contemp French Civiliztn	
FR 461 French Linguistics	
FR 470 Undergrad Sem In French (topic appropriate)	
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 (topic appropriate)	
FR 480 Special Topics	
Other French literature course	
FR 300/400-level electives	6
Total Hours	33

Commerce - Second Major in German

	Hours
GN 201 Intermediate German I	3
GN 202 Intermediate German II	3
GN 361 Interm Convers Comp I	3
GN 365 Business German	3
GN 371 German Culture and Civilization Thru 1832	3

GN 372 Germn Cult Civ 1832-Present	3
Select one of the following:	6
GN 403 Undergraduate Seminar & GN 404 and Undergraduate Seminar	
GN 404 Undergraduate Seminar (and an additional GN literature course)	
GN electives ¹	9
Total Hours	33

¹ GN 450 Intermed Business German is highly recommended.

Commerce - Second Major in 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 360 Commercial Spanish	3
SP 364 Spanish Civilization	3
SP 366 Spanish-American Civ	3
Select two of the following:	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	
Spanish electives (300/400-level)	6
Total Hours	33

History and Objectives

The Culverhouse College of Commerce is the longest-standing business school in Alabama and one of the premier programs in the South. The college has earned national recognition for excellence in business education and is accredited by the Association to Advance Collegiate Schools of Business—International (AACSB). An outstanding faculty helps maintain this tradition of excellence by continuously making advancements in academic programs using technologically advanced classrooms, laboratories and library facilities.

Lee Bidgood, the first dean of the college, launched the School of Commerce in 1919. Dean Bidgood oversaw the development of the college, including construction of the Commerce Building (now known as Bidgood Hall), which was completed in 1929. Bidgood Hall has further developed to become a central part of the technologically integrated three-building business complex in the central University campus.

The college offers degree programs at the bachelor's, master's and doctoral levels. The mission of the Culverhouse College of Commerce is to excel in the creation and application of general and discipline-based business knowledge. We are committed to providing the educational and enrichment experiences expected of a major, full-time residential state university.

Curriculum VII - For College Graduates

The business curriculum for college graduates is available to those who hold baccalaureate degrees from regionally accredited institutions in any recognized field of study other than business and who have a grade point average of at least 2.5 for all college-level coursework attempted and at least a 2.5 GPA for all University of Alabama coursework attempted. A student whose GPA falls below these standards may

petition the assistant dean for undergraduate programs for admission if the student's GPA is at least 2.5 or above for the last 30 hours of coursework attempted. Curriculum VII leads to the bachelor of science in commerce and business administration degree, following completion of the undergraduate work outlined below. Curriculum VII is for the college graduate who wants a professional degree in commerce and business administration on the undergraduate level. At least 30 semester hours of study in residence in the Culverhouse College of Commerce are required.

In addition to the 2.5 GPA requirement, students must complete AC 210 Intro To Accounting, CS 102 Microcomputer Applications, EC 110 Principles of Microeconomics, EC 111 Principles of Macroeconomics, LGS 200 Legal Environment of Business, MATH 121 Calculus & Applications and ST 260 Statistical Data Analysis (or their equivalents) with grades of C- or higher before declaring a major and enrolling in 300- or 400-level Commerce courses. Any of this coursework completed in pursuit of the first bachelor's degree will apply to the second degree under Curriculum VII. Failure to complete the prerequisites will result in administrative disenrollment from 300- or 400-level Commerce courses.

	Hours
Lower Division Requirements	22
AC 210 Intro To Accounting	
CS 102 Microcomputer Applications	
EC 110 Principles of Microeconomics	
EC 111 Principles of Macroeconomics	
LGS 200 Legal Environment of Business	
MATH 121 Calculus & Applications	
ST 260 Statistical Data Analysis	
Business Administration Functional Field Courses	18
FI 302 Business Finance	
GBA 300 Business Communications	
GBA 490 Strategic Management	
MGT 300 Organizational Theory & Behavior	
MKT 300 Marketing	
OM 300 Intro Operations Management	
Major Program Courses	
Select 18 hours	18
Specialization	
Select a specialization (if required)	0-15
Total Hours	58-73

University Scholars Programs

The University Scholars 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

J. Michael Hardin

Senior Associate Dean for Academic Programs

Diane E. Johnson

Associate Dean of Undergraduate Programs

David J. Heggem Jr.

Associate Dean for Graduate Programs

J. Brian Gray

Associate Dean for Research

Samuel Addy

Registrar

Daniel L. Maguire

Department of Information Systems, Statistics and Management Science

Professor Charles R. Sox, 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 and students specializing in business information technology and eDecision Support Systems. 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 or production 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 as well as for students specializing in business intelligence. 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 (MIS) (p. 568)
- Operations Management (BS) (p. 569)

The faculty output is controlled using the 'Faculty List' step in the toolbar.

MIS120 Business Programming I

Hours 3

First computing class designed for students that will be majoring in Management Information Systems.

Prerequisite(s): MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 145 or MATH 126 or MATH 146

OM300 Intro Operations Management

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.

Prerequisite(s): 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.

Prerequisite(s): MATH 112 or MATH 115 or MATH 121 or MATH 125 or MATH 126 or MATH 145 or MATH 146; and CS 102 or CS 150 or CS 100 or CS 120 or MIS 120 or CS 104 or GES 131 or GES 145 or UA Computer Placement Test Score of 380; minimum grade of C- required in any qualifying prerequisite

Computer Science

View All Courses

Faculty**Department Head**

Sox, Charles

Professors

Adams, Michael

Chakraborti, Subha

Cochran, Jim

Gray, Brian

Hale, David

Hale, Joanne

McManus, Denise

Associate professors

Barrett, Bruce

Keskin, Burcu

Lodree, Emmett

Melnykov, Volodymyr

Melouk, Sharif

Mittenthal, John

Perry, Marcus

Posey, Clay

Raja, Uzma

Yavuz, Mesut

Assistant professors

Jena, Rishi

Murali, Karthik

Parton, Jason

Porter, Michael

Zhang, Minjiao

Instructors

Chilcutt, Nathan

Cottrell, Greg

Davis, Cali

Doherty, Richard

Lucas, Jeff

Marks, Andrea

Norman, Ron

Wright, Harold

Management Information Systems, MIS

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 pay-off. Students should consider specializations available in the business school to supplement the core business and MIS curriculum including areas such as: health care information systems, management communications, sales, global business, supply-chain management and accounting. Some students minor in computer science, international business or a foreign language.

Program Director: David Hale

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 health care management, 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.

Admission and Retention Policies

Each prospective MIS student must submit an application verifying that all admission criteria have been met. A student is eligible for admission if he or she:

- meets the admission criteria to the upper division of the Culverhouse College of Commerce
- has completed at least 60 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
- has completed MIS 120 Business Programming I and MIS 295 Business Analysis Project Management with grades of C- or higher

MIS 295 Business Analysis Project Management is recommended for second-semester freshmen or sophomores who are interested in majoring in MIS. MIS 200 Fundamentals of Management Information Systems is an introductory course for non-majors and can be taken by freshmen.

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.

		Hours
Major Program Requirements		
MIS 320	Application & Information Architecture	3
MIS 330	Database Administration	3
MIS 430	Systems Analysis & Design I	3
MIS 431	Systems Analysis & Design II	3
MIS 450	Systems Construction & Implementation I	3
MIS 451	Systems Construction & Implementation II	3
Credit Hours Subtotal:		18
Total Hours		18

Specializations

Business Information Technology

		Hours
MIS 120	Business Programming I	3
MIS 220	Business Programming II	3
MIS 295	Business Analysis Project Management	3
MIS 320	Application & Information Architecture	3
MIS 330	Database Administration	3
MIS 340	Data Communication in a Global Environment	3
Total Hours		18

e-Decision Support

		Hours
MIS 200	Fundamentals of Management Information Systems	3
MIS 340	Data Communication in a Global Environment	3
MIS 440	Decision Support Systems	3
Total Hours		9

MIS graduates are among the most sought-after, 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, 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.

Faculty Advisors: Charles Sox
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.

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 Commerce and Business Administration. 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.

Operations Management majors must complete the core Computer Language requirement by taking OM 305 Information Technology for Operations Management. Operations Management majors must also complete a specialization or a second major. A minimum of 18 hours is required for a second major. Students may choose any second major (business or non-business) with a plan approved by the department. Students who complete a minor (but not a second major) must also complete a specialization.

Major Program Requirements		Hours
OM 310	Introduction to Management Science	3
OM 321	Prod Planning & Contrl	3
OM 375	Statistical Quality Control	3
OM 420	Computer Simulation	3
OM 422	Production Scheduling Problems	3
OM 423	Inventory Management	3
Credit Hours Subtotal:		18
Total Hours		18

Specializations

Production Management

Students must major in Operations Management.

OM 417	Logistics Management	3
OM 427	Purchasing and Sourcing	3
OM 450	Process Management & Improvement	3
OM 487	Capstone Project Seminar	3
Total Hours		12

Supply Chain Management

OM 417	Logistics Management	3
OM 427	Purchasing and Sourcing	3
MKT 422	Supply Chain Strategy	3
IBA 460	Export/Import Management	3
Total Hours		12

Business Intelligence

OM 310	Introduction to Management Science	3
MIS 440	Decision Support Systems	3

ST 451	Statistical Methods in Research II	3
Total Hours		9

Frito-Lay, Nucor Steel, US Steel, Scot Industries, Trademark Metals, BMW, Mercedes, 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

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

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 Commerce and Business Administration. 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.
 - Majors
 - Accounting (BS) (p. 571)

The faculty output is controlled using the 'Faculty List' step in the toolbar.
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.

View All Courses

Faculty

Director and Hilton Dean Professor of Accounting

Houston, Richard W.

Durr-Fillauer Chair in Business Ethics and Professor of Accounting

DeZoort, F. Todd

Fayard Endowed Chair and Professor of Accounting

Hatfield, Richard C.

Ernst & Young Diversity Mentor in Accounting and Associate Professor of Accounting

Johnson, Peter M.

Ross-Culverhouse Endowed Chair and Professor of Accounting

Lopez, Thomas J.

Nabors Faculty Fellow and Associate Professor of Accounting

Parsons, Linda M.

Stimpson Gulf Lumber Faculty Fellow and Associate Professor of Accounting

Reitenga, Austin

Roddy-Garner Professor of Accounting

Robbins, Walter A.

Hugh Culverhouse Professor of Accounting

Schnee, Edward J.

Hugh Culverhouse Chair and Professor of Accounting

Stone, Mary S.

PricewaterhouseCoopers Faculty Fellow, Endowed Anonymous and Associate Professor of Accounting

Taylor, Gary K.

Assistant professors

Buchheit, Steve

Doxey, Marcus M.

Hoang, Kris

Pollard, Troy J.

Stinson, Shane

Instructors

Datema, Jill H.

Fitzgibbon, J. Thomas

Little, Joshua R.

Locke, Clint J.

McKinney, Lisa Hughes

Minyard, Donald H.

Palmer, Daphne V.

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 with behavior that is professional, respectful and polite. A student should be a team player and utilize time management as time costs. Research and problem solving is important as well. Accounting students should

stay on top of latest information, news and trends. Students should be motivated, have initiative and drive. Ethics and professionalism is a must.

Admission and Retention Policies

A prospective Culverhouse School of Accountancy student must submit an application verifying that all criteria for admission have been met. Students are eligible for admission if they meet the admission criteria to the upper division of the College of Commerce and Business Administration. A student whose grade point average falls below these standards may petition the Associate Dean of Undergraduate Programs 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 specialization. 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 300-level 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 in Alabama must complete an undergraduate accounting degree and have a least 24 hours of upper division accounting courses. To be a CPA, students must have earned 150 semester hours of college courses, with at least 33 hours of accounting above the introductory level, in courses specified by the Alabama State Board of Accountancy. 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 specialization is required for students entering the master's programs in accounting.**

A grade of C- or better is needed in any accounting course that is listed in the catalog as a prerequisite for the next course.

- Accounting majors must earn **grades of C- or higher in all 300-level accounting courses.** See the Culverhouse College General Degree Requirements and Academic Policies (p. 11) section of this catalog for policies on grading and repeating courses.
- It is strongly recommended that AC 310 Financial Reporting & Analysis of Business Activities I be taken prior to enrolling in AC 361 Cost Analysis for Planning & Control.
- Students may not receive credit towards the same degree for:
 - AC 310 Financial Reporting & Analysis of Business Activities I and AC 352 Corporate Financial Reporting, or

AC 361 Cost Analysis for Planning & Control and AC 351 Managerial Accounting Decisions, or

AC 389 Accounting Information Systems - Development, Operation, and Control and FI 389 Financial Analysis and Modeling or EC 389 Computerized Management Information Systems.

Requirements		Hours
AC 310	Financial Reporting & Analysis of Business Activities I	3
AC 311	Financial Reporting & Analysis of Business Activities II	3
AC 361	Cost Analysis for Planning & Control	3
AC 371	Introduction To Taxation	3
AC 389	Accounting Information Systems - Development, Operation, and Control	3
AC 432	Intro to Corporate Governance, Risk Assessment, and Assurance Services	3
Total Hours		18

Specializations

Accounting

For non-Accounting majors; not open to General Business majors. 2.0 GPA is required.

		Hours
AC 310	Financial Reporting & Analysis of Business Activities I	3
AC 311	Financial Reporting & Analysis of Business Activities II	3
Select one of the following:		3
AC 361	Cost Analysis for Planning & Control	
AC 371	Introduction To Taxation	
AC 389	Accounting Information Systems - Development, Operation, and Control	
Total Hours		9

Professional Accounting

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	Introduction to Financial Institutions and Markets	
FI 341	Fundamentals of Risk Management & Insurance	
FI 410	Intermediate Financial Mgt	
FI 414	Investments	
IBA 350	Introduction to World Business	
Total Hours		9

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

Accounting professionals can be found in: public accounting firms, banks/financial institutions, corporations, public utilities, hospitals, the media, law firms, government, manufacturing companies, non-profit 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, and nonprofit organizations. Entry level-staff Accountant for accounting firms, internal revenue service, public and private corporations, internal revenue service, FBI, financial analyst, financial consultant, entry level accountant.

Jobs of Experienced Alumni

Accounting Manager, Auditor, Bank Examiner, Benefits Administrator, Budget Accountant, Certified Public Accountant, Chief Financial Officer, Claims Adjustor, 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

Department of Economics (BS), Finance and Legal Studies

Professor Mathew T. Holt, Department Head
Office: 200 Alston Hall

The primary objective of the department of economics, finance and legal studies is to offer high quality undergraduate and graduate programs in economics and finance which are designed to prepare students for rewarding careers in both the public and private sectors of the competitive job market.

Programs offered provide basic economic and financial concepts and knowledge that serve as the foundation for both public policy and business decision-making activity. Furthermore, through the many courses offered in each program, students can specialize in areas such as applied economics, public sector economics, international economics, financial management, investing and public finance that suit their career development goals.

- Majors
 - Economics (BS) (p. 573)
 - Finance (BS) (p. 575)
- Minor
 - Economics (p. 575)

Double Major in Finance and Economics

The double major in finance and economics is for students looking to combine the fields of finance and economics. Students completing this curriculum earn two majors, not two degrees.

	Hours
EC 308 Intermediate Microeconomics	3
EC 309 Intermediate Macroeconomics	3
FI 301 Introduction to Financial Institutions and Markets	3
FI 389 Financial Analysis and Modeling	3
FI 410 Intermediate Financial Mgt	3
FI 412 Money & Capital Markets	3
FI 414 Investments	3
Approved FI elective ¹	3
Additional EC courses ²	12
Total Hours	36

¹ Except FI 302 Business Finance or FI 400 Financial Institutions, Markets, and Investment.

² Except EC 389 Computerized Management Information Systems, EC 400 Analysis of Economic Conditions at the Micro & Macro Levels, or EC 492 Internship.

The faculty output is controlled using the 'Faculty List' step in the toolbar.

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

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.

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.

[View All Courses](#)

Faculty

Department Head

Holt, Matthew T.

Professors

Argawal, Anup

Brooks, Robert

Cook, Douglas O.

Cover, James

Henderson, Daniel

Lee, Junsoo

McLeod, Robert W.

Pecorino, Paul

Rabel, William H.

Reed, Robert

Associate Professor

Chen, Susan

Cicero, David

Downs, Thomas

Elder, Harold

Jindapon, Paan

Ma, Jun

Mobbs, Shawn

Van Essen, Matthew

Wang, Le

Assistant Professor

Brummund, Peter

Givens, Gregory E.

Kong, Lei

Mullally, Kevin

Wang, Yan Albert

Instructors

Adams, Charlye

Clements III, J. Sherwood

Cooper, Tommy

El-Karakasy, Hoda

Hall, Ruth Ann

Javine, Victoria

Parisi, Franco

Walsh, Will

Yeh, Tao-Chen

Zirlott, Kent

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 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 and 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 Commerce and the College of Arts and Sciences. Students majoring in other fields in Culverhouse may select economics

as a non-commerce minor. Students majoring or minoring in economics are urged to consult the undergraduate adviser 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 and Modeling or EC 389 Computerized Management Information Systems. Economics majors must also complete a specialization or a second major. A minimum of 18 hours is required for a second major. Students may choose any second major (business or non-business) with a plan approved by the department. Students who complete a minor (but not a second major) must also complete a specialization.

	Hours
Major Courses	
EC 308 Intermediate Microeconomics (minimum grade of C-)	3
EC 309 Intermediate Macroeconomics (minimum grade of C-)	3
FI 301 Introduction to Financial Institutions and Markets	3
Additional EC courses ¹	9
Credit Hours Subtotal:	18
Specialization	
Specialization or Second Major	9-60
Credit Hours Subtotal:	9-60
Total Hours	27-78

¹ EC 400 Analysis of Economic Conditions at the Micro & Macro Levels and EC 492 Internship cannot be counted toward the major; EC 470 Introduction to Mathematical Economics is strongly recommended for those considering graduate work in economics or business.

Dual Major in Economics and Mathematics

The dual major in economics and mathematics is for students looking to apply strong quantitative skills in the field of economics. This curriculum is ideal for students in pursuit of a career that involves forecasting and/or an understanding of formal economic modeling. It also provides students with the mathematical background necessary for pursuing a doctoral degree in economics. Students in this degree program are formally enrolled in the Culverhouse College of Commerce, but the curriculum is determined by both the College of Commerce and the College of Arts and Sciences. Students are not required to select a mathematics track when pursuing this dual major.

Economics Courses

	Hours
EC 308 Intermediate Microeconomics (minimum grade of C-)	3
EC 309 Intermediate Macroeconomics (minimum grade of C-)	3
EC 471 Econometrics	3
EC elective	3
FI 301 Introduction to Financial Institutions and Markets	3
FI 389 Financial Analysis and Modeling	3
EC 413 Economic Forecasting & Analysis	3
Total Hours	21

Mathematics Courses

	Hours
MATH 227 Calculus III	4
MATH 237 Introduction to Linear Algebra	3
MATH 238 Appld Diff Equations I	3
MATH 355 Theory Of Probability	3
MATH 451 Math Stats W/Applict n I	3
MATH electives (300- or 400-level) ¹	6
Total Hours	22

¹ The following courses **cannot** be counted as MATH electives: MATH 402 History Of Mathematics and MATH 405 Geometry For Teachers.

Specializations in Economics

Applied Microeconomics

Applied Microeconomics	Hours
Students must major in economics.	
Select three of the following:	9
EC 410 Law And Economics	
EC 412 Industrial Organization	
EC 423 Public Finance	
EC 430 International Trade	
EC 442 Economic Development of Latin America	
EC 444 Political Economy of Terrorism	
EC 480 Economics of the Environment and Natural Resources	
EC 482 Seminar on Economic Issues	
Total Hours	9

Econometrics & Forecasting

Econometrics & Forecasting	Hours
Students must major in Economics.	
EC 413 Economic Forecasting & Analysis	3
EC 470 Introduction to Mathematical Economics	3
EC 471 Econometrics	3
Total Hours	9

Economics

Economics	Hours
For non-Economics majors.	
EC 308 Intermediate Microeconomics	3
EC 309 Intermediate Macroeconomics	3
Two 300- or 400-level EC electives	6
Total Hours	12

International Economics

International Economics	Hours
Students must major in Economics, complete at least three years (six semesters) of foreign languages, and spend a semester abroad.	
EC 430 International Trade	3
EC 431 International Finance	3

EC 442	Economic Development of Latin America	3
Total Hours		9

Macroeconomics & Monetary Policy

Macroeconomics & Monetary Policy

Hours

Students must major in Economics.

EC 413	Economic Forecasting & Analysis	3
EC 416	Monetary Theory & Policy	3
EC 431	International Finance	3
Total Hours		9

Public Policy & Law

Public Policy & Law

Hours

Students must major in Economics.

Select three of the following:		9
EC 410	Law And Economics	
EC 412	Industrial Organization	
EC 423	Public Finance	
EC 444	Political Economy of Terrorism	
EC 480	Economics of the Environment and Natural Resources	
EC 482	Seminar on Economic Issues	
Total Hours		9

Quantitative Economics

Quantitative Economics

Hours

Students must major in Economics.

MATH 125	Calculus I	4
MATH 126	Calculus II	4
MATH 227	Calculus III	4
MATH 237	Introduction to Linear Algebra	3
EC 413	Economic Forecasting & Analysis	3
EC 470	Introduction to Mathematical Economics	3
EC 471	Econometrics	3
ST 454 or MATH 355	Mathematical Statistics I Theory Of Probability	3
ST 455 or MATH 451	Mathematical Statistics II Math Stats W/Applictn I	3
Total Hours		30

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

Economics, Minor

Minors in Business for Non-Business Majors

Students enrolled in divisions of the University other than the Culverhouse College of Commerce may apply for admission to one of the business minors supported by the college, subject to the provisions stated below. Approval of the student's dean is required.

Except for the general business minor, which requires a minimum grade point average of 2.0, non-business majors admitted to a business minor must have GPAs of 2.5 or higher for all college-level and University of Alabama coursework attempted. A student whose GPA falls below these standards may petition the associate dean for undergraduate programs of the Culverhouse College of Commerce for admission to the minor if the student's GPA for the last 30 hours attempted is at least 2.5. A student admitted to a business minor will be permitted to enroll in all courses required for that specific minor even if the student's GPA subsequently falls below a 2.5, provided all other enrollment requirements are met. All 300- or 400-level courses in the minor must be taken in residence at UA, unless permission is given by a Commerce department chair to transfer a course from another four-year institution. A GPA of 2.0 or higher within the minor must be achieved in order to complete it.

The minor in Economics is offered jointly by the Culverhouse College of Commerce and the College of Arts and Sciences; business students are allowed to complete this minor.

Non-business students must complete the course-specific prerequisites for each minor program course and must have earned credit for a minimum of 60 semester hours at the time they enroll in the 300- or 400-level courses. Non-business majors may earn degree credit for no more than 30 semester hours of Commerce courses (excluding EC 110 Principles of Microeconomics, EC 111 Principles of Macroeconomics and ST 260 Statistical Data Analysis) without approval of the associate dean for undergraduate programs. Failure to comply with these policies will result in administrative disenrollment from Commerce 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 cleared for registration each semester. College advisors are also available for additional assistance with minor, College and University requirements.

EC 110	Principles of Microeconomics	3
EC 111	Principles of Macroeconomics	3
EC electives		6
EC electives (300 or 400 level)		6
Total Hours		18

Finance, BS

Students interested in studying finance should have strong quantitative skills, be able to think analytically, be creative in solving problems and be able to make strategic decisions.

Finance majors must complete the core computer language requirement by taking FI 389 Financial Analysis and Modeling. Finance majors are required to select a specialization or second major. A minimum of 18 hours is required for a second major. Students may choose any second major (business or non-business) with a plan approved by

the department. Finance students who complete a minor other than economics (but not a second major) must also complete a specialization.

		Hours
Major Courses		
EC 308	Intermediate Microeconomics	3
EC 309	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
Credit Hours Subtotal:		18
Specialization		
Specialization or Second Major		9-60
Credit Hours Subtotal:		9-60
Total Hours		27-78

Dual Major in Finance and Mathematics

The dual major in finance and mathematics is for students looking to apply strong quantitative skills in the field of finance. This curriculum is ideal for students in pursuit of a career that requires an understanding of financial modeling or students desiring to attend graduate school. Students in this degree program are formally enrolled in the Culverhouse College of Commerce, but the curriculum is determined by both the College of Commerce and the College of Arts and Sciences. Students are not required to select a mathematics track when pursuing this dual major.

Finance Courses

		Hours
EC 308	Intermediate Microeconomics	3
EC 309	Intermediate Macroeconomics	3
EC 413	Economic Forecasting & Analysis	3
FI 301	Introduction to Financial Institutions and Markets	3
FI 410	Intermediate Financial Mgt	3
FI 389	Financial Analysis and Modeling	3
FI 412	Money & Capital Markets	3
FI 414	Investments	3
Total Hours		24

Mathematics Courses

		Hours
MATH 227	Calculus III	4
MATH 237	Introduction to Linear Algebra	3
MATH 238	Appld Diff Equations I	3
MATH 355	Theory Of Probability	3
MATH 451	Math Stats W/Applictn I	3
MATH electives (300- or 400-level) ¹		6
Total Hours		22

¹ The following courses cannot be counted as MATH electives: MATH 402 History Of Mathematics and MATH 405 Geometry For Teachers.

Specializations in Finance

Actuarial Science

		Hours
Actuarial Science		
Not open to General Business majors.		
MATH 125 & MATH 126 & MATH 227	Calculus I and Calculus II and Calculus III	12
EC 413	Economic Forecasting & Analysis	3
FI 341	Fundamentals of Risk Management & Insurance	3
FI 389	Financial Analysis and Modeling	3
FI 419	Financial Derivatives	3
FI 497	Special Topics In Finance (1 hour of P exam prep, 3 hours of FM exam prep)	4
ST 450	Statistical Methods in Research I (Prerequisite for ST 452)	3
ST 452	Applied Regression Analysis	3
ST 454 or MATH 451	Mathematical Statistics I Math Stats W/Applictn I	3
ST 455 or MATH 452	Mathematical Statistics II Math Stats W/Applictn II	3
Non-Finance major requirements ¹		0-6
Total Hours		40-46

¹ Non-Finance majors will need to take FI 410 Intermediate Financial Mgt and FI 414 Investments if they plan to sit for the actuarial exams.

Banking & Financial Services

		Hours
Banking & Financial Services		
Students must major in Finance.		
AC 351 or AC 352	Managerial Accounting Decisions Corporate Financial Reporting	3
FI 341	Fundamentals of Risk Management & Insurance	3
FI 421	Bank Administration	3
Total Hours		9

Finance

		Hours
Finance		
For non-Finance majors.		
EC 308	Intermediate Microeconomics	3
FI 301	Introduction to Financial Institutions and Markets	3
Select two of the following:		6
FI 410	Intermediate Financial Mgt	
FI 412	Money & Capital Markets	
FI 414	Investments	
Total Hours		12

Financial Management

		Hours
Financial Management		
Students must major in Finance.		
AC 310	Financial Reporting & Analysis of Business Activities I	3
AC 311	Financial Reporting & Analysis of Business Activities II	3

AC 361	Cost Analysis for Planning & Control	3
AC 389	Accounting Information Systems - Development, Operation, and Control	3
FI 411	Corporate Financial Policy (may be substituted for FI 412 in the Finance major)	3
FI 419	Financial Derivatives (may be substituted for EC 309 in the Finance major)	3
Total Hours		18

Insurance & Financial Services: Risk Management

Insurance & Financial Services: Risk Management Hours

FI 341	Fundamentals of Risk Management & Insurance	3
Select three of the following:		9
FI 360	Personal Asset Management	
FI 442	Business Risk Management	
FI 443	Property Liability Insurance	
FI 444	Life & Health Insurance	
LGS 403	Estates & Trusts	
Total Hours		12

International Finance

International Finance Hours

Students must major in Finance, take at least three years (six semesters) of foreign languages, and spend a semester abroad.

EC 430	International Trade	3
FI 431	International Finance	3
EC 442	Economic Development of Latin America	3
Total Hours		9

Investment Management

Investment Management Hours

Students must major in Finance.

AC 352	Corporate Financial Reporting	3
FI 415	Advanced Investment Topics	3
FI 419	Financial Derivatives	3
Total Hours		9

Personal Wealth Management

Personal Wealth Management Hours

AC 371	Introduction To Taxation	3
FI 341	Fundamentals of Risk Management & Insurance	3
FI 360	Personal Asset Management	3
FI 444	Life & Health Insurance	3
FI 460	Advanced Financial Planning	3
LGS 403	Estates & Trusts	3
Non-Finance major requirements ¹		0-3
Total Hours		18-21

¹ Non-Finance majors will need to take FI 414 Investments to sit for the CFP exam.

Quantitative Finance

Quantitative Finance Hours

Students must major in Finance.

MATH 125	Calculus I	4
MATH 126	Calculus II	4
MATH 227	Calculus III	4
MATH 237	Introduction to Linear Algebra	3
EC 413	Economic Forecasting & Analysis	3
FI 419	Financial Derivatives	3
ST 454 or	Mathematical Statistics I	3
MATH 355	Theory Of Probability	
ST 455 or	Mathematical Statistics II	3
MATH 451	Math Stats W/Applictn I	
Total Hours		27

Real Estate

Real Estate Hours

FI 331	Principles of Real Estate	3
FI 436	Real Estate Financing	3
Select two of the following:		6
CE 463	Construction Cost Estimating	
FI 334	Introduction to Real Estate Property Management	
FI 432	Real Estate Appraisal	
LGS 407	Real & Personal Property	
Total Hours		12

The opportunities for students who complete a bachelor's degree in finance range from 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

Asset Management, Investment Banking, Corporate Finance, Financial Services, Investment Management, Sales and Trading, Real Estate Portfolio Management, Bank Examiner.

Learn more about opportunities in this field at the Career Center

Department of Management

Dr. William E. Jackson III, 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 management department.

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 majors and specializations:

- Majors
 - General Business (BS) (p. 579)
 - Management (BS) (p. 580)
- Minors for Non-Business Majors
 - Management (p. 582)
 - General Business (p. 580)
 - Entrepreneurship (p. 579)
- Certificates
 - Analytical Excellence in Business (p. 578)
 - Ethics and Social Responsibility (p. 579)

The faculty output is controlled using the 'Faculty List' step in the toolbar.
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.

HCM360 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): MATH 121 or MATH 125; and AC 210 and LGS 200 and ST 260 and CS 102

Prerequisite(s) with concurrency: MGT 300

GBA145 Freshman Compass: CBA
FCMP

Hours 1

An introduction to the Culverhouse College of Commerce and Business Administration. Topics include adjustment to college life, study skills, career exploration, and majors offered in the College.

Freshman Compass

[View All Courses](#)

Faculty

Department Head
William E. Jackson III

Professors
Daniel E. Bachrach

Kim S. Campbell

Ronald E. Dulek

Jonathon R. Halbesleben

Diane E. Johnson

Louis D. Marino

A.J. Strickland, III

Eric S. Williams
Associate professors
Craig E. Armstrong

Paul L. Drnevich

James E. King

Jeffrey A. Martin

Marilyn V. Whitman

Assistant professors
Thomas M. English

Peter D. Harms

Jefrey S. Naidoo

Instructors
Larry E. Baldwin

Jessica N. Crew

David M. Ford

Chapman L. Greer

J. Gorman Houston

Joyce L. Meyer

Sarah E. Miesse

Rachael R. Smallwood

Analytical Excellence in Business, Certificate

Taking the classes required for the Analytical Excellence Certificate in Business will give students the best possible background for graduate work in business or for work in the most technically demanding areas.

This program allows talented students to utilize the math skills they acquired in high school and to develop quantitative skills equivalent to those developed by engineering graduates. In addition, the designation allows them to signal to employers and others that they have completed a special curriculum. The required courses include the regular calculus sequence. After completing the calculus sequence, students in the program have the choice of several additional classes to complete the program. Students who complete this program will be excellent candidates to enroll in the best graduate business programs in the country.

A cumulative UA GPA of 3.5 at graduation is required to complete this certificate.

This certificate is only available to students in the Culverhouse College of Commerce. Interested students should contact the Department of Finance, Economics and Legal Studies in 200 Alston Hall.

		Hours
Required Courses		
MATH 125	Calculus I	4
MATH 126	Calculus II	4
MATH 227	Calculus III	4
Select three of the following:		9
MATH 237	Introduction to Linear Algebra	
MATH 238	Appld Diff Equations I	

ST 454 or	Mathematical Statistics I	
	MATH 351 Theory Of Probability	
ST 455 or	Mathematical Statistics II	
	MATH 451 Math Stats W/Applictn I	
EC 413	Economic Forecasting & Analysis	
EC 471	Econometrics	
ST 450	Statistical Methods in Research I	
ST 451	Statistical Methods in Research II	
MATH 422	Mathematics For Finance I	
MKT 473	Marketing Research	
Total Hours		21

Entrepreneurship, Minor Minors in Business for Non-Business Majors

Students enrolled in divisions of the University other than the Culverhouse College of Commerce may apply for admission to one of the business minors supported by the college, subject to the provisions stated below. Approval of the student's dean is required.

Except for the general business minor, which requires a minimum grade point average of 2.0, non-business majors admitted to a business minor must have GPAs of 2.5 or higher for all college-level and University of Alabama coursework attempted. A student whose GPA falls below these standards may petition the associate dean for undergraduate programs of the Culverhouse College of Commerce for admission to the minor if the student's GPA for the last 30 hours attempted is at least 2.5. A student admitted to a business minor will be permitted to enroll in all courses required for that specific minor even if the student's GPA subsequently falls below a 2.5, provided all other enrollment requirements are met. All 300- or 400-level courses in the minor must be taken in residence at UA, unless permission is given by a Commerce department chair to transfer a course from another four-year institution. A GPA of 2.0 or higher within the minor must be achieved in order to complete it.

The minor in Economics is offered jointly by the Culverhouse College of Commerce and the College of Arts and Sciences; business students are allowed to complete this minor.

Non-business students must complete the course-specific prerequisites for each minor program course and must have earned credit for a minimum of 60 semester hours at the time they enroll in the 300- or 400-level courses. Non-business majors may earn degree credit for no more than 30 semester hours of Commerce courses (excluding EC 110 Principles of Microeconomics, EC 111 Principles of Macroeconomics and ST 260 Statistical Data Analysis) without approval of the associate dean for undergraduate programs. Failure to comply with these policies will result in administrative disenrollment from Commerce 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 cleared for registration each semester. College advisors are also available for additional assistance with minor, College and University requirements.

		Hours
EC 110	Principles of Microeconomics	3
AC 210	Intro To Accounting	4
MGT 300	Organizational Theory & Behavior	3

MGT 386	Foundations of Entrepreneurship	3
MGT 387	Creating, Recognizing, Evaluating and Pitching Opportunities	3
Select one of the following:		3
MGT 388	Starting, Growing, and Harvesting New Ventures	
MGT 481	New Venture Finance	
MGT 482	New Venture Development	
MGT 484	Small Business Management	
MGT 486	Small Business Consulting	
or C&BA course approved by dept.		
Total Hours		19

Ethics and Social Responsibility, Certificate

Students in business are encouraged to complete a Certificate in Ethics and Social Responsibility, which will be recognized on their transcripts. Goals of the program are to increase students' abilities to recognize moral dilemmas and exercise moral decision-making abilities and to develop insights into contemporary ethical issues faced by individuals and organizations. In addition, a goal of the program is to focus campus attention on the importance of addressing ethical issues and creating graduates who will be recognized for having formally addressed these issues.

Requirements

1. one course with a primary ethics and social responsibility focus (recommended: PHL 292 Introduction to Ethics or MGT 341 Business Ethics)
2. one course in service learning (click here for a list), or participation in the Moral Forum
3. participation in three activities or events (at least one should be held each semester) with approved ethics and social responsibility content, to include presentations on relevant subjects and discussion sessions covering readings or other assignments

Culverhouse students interested in this certificate should contact the Department of Management in 100 Alston Hall.

General Business, BS

Students gain a broad set of skills and knowledge about general business operations.

Faculty Advisor: Dr. James E. King

The general business major program is designed for students desiring a broad 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 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 grade point average of 2.0 is required for admission to the general business major.

		Hours
MIS 200	Fundamentals of Management Information Systems	3
Select one of the following:		3
AC 351	Managerial Accounting Decisions	
AC 352	Corporate Financial Reporting	
Select one of the following:		3
FI 301	Introduction to Financial Institutions and Markets	
FI 400	Financial Institutions, Markets, and Investment	
Select one of the following:		3
EC 308	Intermediate Microeconomics	
EC 309	Intermediate Macroeconomics	
EC 400	Analysis of Economic Conditions at the Micro & Macro Levels	
Select one of the following:		3
MGT 320	Leadership and Ethics	
MGT 341	Business Ethics	
MGT 386	Foundations of Entrepreneurship	
Select one of the following:		3
IBA 350	Introduction to World Business	
MKT 313	Consumer Behavior	
MKT 321	Retail Management	
MKT 337	Personal Selling	
Total Hours		18

Since the general business degree offers students a broad introduction to business, students 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

management trainees, entry level positions, business owner, assistant administrator, assistant manager and customer service representative

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

Minors in Business for Non-Business Majors

Students enrolled in divisions of the University other than the Culverhouse College of Commerce may apply for admission to one of the business minors supported by the college, subject to the provisions stated below. Approval of the student's dean is required.

Except for the general business minor, which requires a minimum grade point average of 2.0, non-business majors admitted to a business minor must have GPAs of 2.5 or higher for all college-level and University of Alabama coursework attempted. A student whose GPA falls below these standards may petition the associate dean for undergraduate programs of the Culverhouse College of Commerce for admission to the minor if the student's GPA for the last 30 hours attempted is at least 2.5. A student admitted to a business minor will be permitted to enroll in all courses

required for that specific minor even if the student's GPA subsequently falls below a 2.5, provided all other enrollment requirements are met. All 300- or 400-level courses in the minor must be taken in residence at UA, unless permission is given by a Commerce department chair to transfer a course from another four-year institution. A GPA of 2.0 or higher within the minor must be achieved in order to complete it.

The minor in Economics is offered jointly by the Culverhouse College of Commerce and the College of Arts and Sciences; business students are allowed to complete this minor.

Non-business students must complete the course-specific prerequisites for each minor program course and must have earned credit for a minimum of 60 semester hours at the time they enroll in the 300- or 400-level courses. Non-business majors may earn degree credit for no more than 30 semester hours of Commerce courses (excluding EC 110 Principles of Microeconomics, EC 111 Principles of Macroeconomics and ST 260 Statistical Data Analysis) without approval of the associate dean for undergraduate programs. Failure to comply with these policies will result in administrative disenrollment from Commerce 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 cleared for registration each semester. College advisors are also available for additional assistance with minor, College and University requirements.

		Hours
AC 210	Intro To Accounting	4
EC 110	Principles of Microeconomics	3
ST 260	Statistical Data Analysis	3
Select three of the following (two must be 300-level or above):		9
FI 302	Business Finance	
LGS 200	Legal Environment of Business	
MGT 300	Organizational Theory & Behavior	
MIS 200	Fundamentals of Management Information Systems	
MKT 300	Marketing	
OM 300	Intro Operations Management	
Total Hours		19

Management, BS

Management majors are typically interested in introductory management training programs such as learning how to start a business, understanding the workings of health care organizations, and gaining insight into how human resources work in organizations.

Faculty Advisor: Dr. James E. King

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 27 hours of course work, including one foundational course, "Leadership and Ethics," and a collection of eight courses within one specialized area, or specialization. The three specializations that may be applied toward the Management major are: entrepreneurship, healthcare analytics and human resource management. These specializations 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.

		Hours
Requirements		
MGT 320	Leadership and Ethics	3
Credit Hours Subtotal:		3
Specialization		
Select one of the following specializations:		24
Entrepreneurship		
Healthcare Analytics		
Human Resource Management		
Credit Hours Subtotal:		24
Total Hours		27

Specializations

Entrepreneurship

Faculty Advisor: Dr. Louis D. Marino

The mission of the entrepreneurship focus area in the management major is to equip students with the knowledge, skills and abilities necessary to identify and evaluate opportunities and then to capitalize on these opportunities by innovating within existing firms or founding new ventures. Students in this focus area will work closely with faculty and experienced entrepreneurs to gain hands-on experience in key activities necessary to build sound business models and acquire critical resources as they 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.

Entrepreneurship

This Specialization may be applied toward the Management Major.

		Hours
MGT 386	Foundations of Entrepreneurship	3
MGT 387	Creating, Recognizing, Evaluating and Pitching Opportunities	3
MGT 388	Starting, Growing, and Harvesting New Ventures	3
MGT 481	New Venture Finance	3
Capstone Experience - select one:		6
Small Business Management and Consulting		
MGT 484	Small Business Management	
MGT 486	Small Business Consulting	
New Product Development		
MGT 484	Small Business Management	
MKT 410	Managing Innovation	
Electives - select two of the following:		6
EC 410	Law And Economics	
FI 331	Principles of Real Estate	
HCM 360	Introduction to Health Systems	
IBA 350	Introduction to World Business	
IBA 460	Export/Import Management	
LGS 407	Real & Personal Property	
MGT 301	Intro to Human Resources Management	
MGT 310	Practicum in Management	

MGT 322	Effective Negotiations	
MGT 406	Family Business Management	
MGT 412	Management Presentations	
MGT 421	Corporate Entrepreneurship & Innovation	
MGT 452	Project Management Communication	
MKT 321	Retail Management	
MKT 337	Personal Selling	
MKT 376	Services Marketing	
MKT 411	Supply Chain Management	
OM 427	Purchasing and Sourcing	
Total Hours		24

Healthcare Analytics

Faculty Advisor: Dr. Marilyn V. Whitman

The healthcare analytics specialization provides undergraduate students with the skills to meet the complex needs of healthcare organizations.

Students in the healthcare analytics specialization 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 eight-course sequence aims to develop analytics competencies in our students to prepare them for entry-level analyst positions in a variety of healthcare settings.

Healthcare Analytics

Hours

This Specialization may be applied toward the Management Major.

HCM 360	Introduction to Health Systems	3
HCM 361	Healthcare Finance and Reimbursement	3
HCM 362	Health Information Systems	3
HCM 463	Healthcare Systems Improvement	3
HCM 464	Healthcare Data Mining	3
HCM 465	Healthcare Analytics Projects Course	3
MGT 452	Project Management Communication	3
Select one of the following:		3
HCM 492	Internship	
MGT 301	Intro to Human Resources Management	
MGT 310	Practicum in Management	
MGT 386	Foundations of Entrepreneurship	
MGT 412	Management Presentations	
MGT 422	Leadership Communication	
OM 310	Introduction to Management Science	
Total Hours		24

Human Resource Management

Faculty Advisor: Dr. Jonathon R. Halbesleben

The human resource management specialization develops student skills for the effective management of human resources in organizations.

The six-course curriculum trains students to strategically address human resource issues to improve organizational performance. The curriculum is aligned with Society for Human Resource Management (SHRM) curriculum guidelines and prepares students to pass the SHRM Assurance of Learning certification exam.

Human Resource Management

This Specialization may be applied toward the Management Major.

	Hours
MGT 301 Intro to Human Resources Management	3
MGT 431 Employee Recruitment, Selection, and Placement	3
MGT 432 Employee Relations	3
MGT 433 Compensation and Performance Management	3
MGT 434 Training and Development	3
MGT 437 Strategic Human Resource Management	3
Select two of the following:	6
HCM 360 Introduction to Health Systems	
IBA 350 Introduction to World Business	
MGT 310 Practicum in Management	
MGT 322 Effective Negotiations	
MGT 386 Foundations of Entrepreneurship	
MGT 412 Management Presentations	
MGT 420 Organizational Change	
MGT 422 Leadership Communication	
MGT 452 Project Management Communication	
MGT 492 Internship In Human Resources Management	
Total Hours	24

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. Ph.D. 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, alums obtain professorial positions.

Learn more about opportunities in this field at the Career Center

Management, Minor

Minors in Business for Non-Business Majors

Students enrolled in divisions of the University other than the Culverhouse College of Commerce may apply for admission to one of the business minors supported by the college, subject to the provisions stated below. Approval of the student's dean is required.

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admitted to a business minor will be permitted to enroll in all courses required for that specific minor even if the student's GPA subsequently falls below a 2.5, provided all other enrollment requirements are met. All 300- or 400-level courses in the minor must be taken in residence at UA, unless permission is given by a Commerce department chair to transfer a course from another four-year institution. A GPA of 2.0 or higher within the minor must be achieved in order to complete it.

The minor in Economics is offered jointly by the Culverhouse College of Commerce and the College of Arts and Sciences; business students are allowed to complete this minor.

Non-business students must complete the course-specific prerequisites for each minor program course and must have earned credit for a minimum of 60 semester hours at the time they enroll in the 300- or 400-level courses. Non-business majors may earn degree credit for no more than 30 semester hours of Commerce courses (excluding EC 110 Principles of Microeconomics, EC 111 Principles of Macroeconomics and ST 260 Statistical Data Analysis) without approval of the associate dean for undergraduate programs. Failure to comply with these policies will result in administrative disenrollment from Commerce 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 cleared for registration each semester. College advisors are also available for additional assistance with minor, College and University requirements.

	Hours
AC 210 Intro To Accounting ¹	4
MGT 300 Organizational Theory & Behavior	3
MGT 301 Intro to Human Resources Management	3
MGT 320 Leadership and Ethics	3
MGT 386 Foundations of Entrepreneurship	3
Choose two of the following:	6
IBA 351 Multinational Business Communication	
MGT 341 Business Ethics	
MGT 420 Organizational Change	
MGT 421 Corporate Entrepreneurship & Innovation	
Total Hours	22

¹ EC 110 Principles of Microeconomics is a prerequisite for AC 210 Intro To Accounting.

Department of Marketing

Professor David L. Mothersbaugh, 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 (BA) (p. 583)
- Minor for Non-Business Majors
 - World Business (p. 584)

The faculty output is controlled using the 'Faculty List' step in the toolbar. *In addition to completing the specific prerequisites included in the descriptions of the following courses, all students seeking to enroll in 300- or 400-level courses in the Culverhouse College of Commerce must have earned a minimum of 60 credit hours.*

All Commerce students, prior to registering for any 300- or 400-level Commerce course, must complete or be enrolled in the following courses (or their equivalents): AC 210 Intro To Accounting, EC 110 Principles of Microeconomics, EC 111 Principles of Macroeconomics, LGS 200 Legal Environment of Business, MATH 121 Calculus & Applications or MATH 125 Calculus I, and ST 260 Statistical Data Analysis. Failure to complete these prerequisites prior to attempting a 300- or 400-level Commerce course will result in administrative disenrollment from that course.

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.

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): MKT 300

[View All Courses](#)

Faculty
Chair

David L. Mothersbaugh

Professors

Authur W. Allaway

Sharon E. Beatty

Alexander E. Ellinger

George R. Franke

Robert M. Morgan

Kristy E. Reynolds

Associate professors

Thomas L. Baker

Giles D. D'Souza

Peter Magnusson

Assistant professors

Jack Clampit

Nikolaos Panagopoulos

Instructors

James P. Brown

Joe Calamusa

Susan Fant

Diana Gomez

Pamela Hill

Elizabeth Jernigan

David Lacek

Joyce Meyer

Michael Pope

Jenna Stiffler

Joel Strayer

Marketing, BA

Marketing provides a broad set of skills and interests that cover sales, retail operations, research skills, and import/export operations and logistics.

Faculty Advisors: Mothersbaugh, Calamusa, Ellinger, Lacek, Rapp, Reynolds, Richey

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.

		Hours
Requirements		
A minimum grade of C- 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

Credit Hours Subtotal:	18
Total Hours	18

Prerequisites

In addition to completing the specific prerequisites included in the descriptions of the following courses, all students seeking to enroll in 300- or 400-level courses in the Culverhouse College of Commerce must have earned a minimum of 60 credit hours.

All Commerce students, prior to registering for any 300- or 400-level Commerce course, must complete or be enrolled in the following courses (or their equivalents): AC 210 Intro To Accounting, EC 110 Principles of Microeconomics, EC 111 Principles of Macroeconomics, LGS 200 Legal Environment of Business, MATH 121 Calculus & Applications or MATH 125 Calculus I, and ST 260 Statistical Data Analysis. Failure to complete these prerequisites prior to attempting a 300- or 400-level Commerce course will result in administrative disenrollment from that course.

Specializations

International Business

The internationalization of business is a critical reality to those operating in the modern business world. Understanding cross-cultural differences in markets and business practices and adopting an international competitive mindset is critical to the success of today's business leaders. The international business specialization is designed for students who are interested in entering the international arena. This program is designed for students of any major, with electives that span such areas as marketing, management, economics and finance. Due to the nature of international business, this specialization requires 12-15 total hours, including an overseas study component.

International Business

IBA 350	Introduction to World Business	3
IBA 351	Multinational Business Communication	3
IBA 460	Export/Import Management	3
Approved Study Abroad course		3
Select one of the following electives: ¹		0-3
IBA 455	Global Marketing	
EC 430	International Trade	
EC 442	Economic Development of Latin America	
EC 431 or	International Finance	
FI 431	International Finance	
Total Hours		12-15

¹ In program-approved situations, the global elective and the study abroad class could be one and the same (e.g., the global accounting standards class offered abroad by the accounting department).

Professional Sales

Sales is a program of preparation for students that want to fast-track their business careers. This concentration provides:

- 1. practical application of sales and self-preservation techniques
- 2. access and exposure to business recruiters from Fortune 100 companies
- 3. valuable persuasion and communication skills that can be used to advance any career in business

Professional sales is a career that is very much in demand. There are still more job openings than qualified applicants. Also, the benefits and

compensation packages for professional sales positions make it one of the highest paid fields in marketing.

Professional Sales

MKT 337	Personal Selling	3
MKT 437	Advanced Selling	3
MKT 438	Sales Management	3
MKT 439	Key Account Management	3
Total Hours		12

Services Marketing

Services are now a major driver of the U.S. and world economy. Therefore, 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 specialization 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

MKT 376	Services Marketing	3
MKT 476	Services Management	3
MKT 477	Advanced Services Marketing	3
Total Hours		9

Numerous opportunities exist for students with marketing degrees. Some of those include sales, branding specialists, supply chain, marketing research analyst, 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, export sales representative, procurement manager, project director, international logistics, corporate logistics manager, international shipping specialist, customs broker, sales representatives and management development

Jobs of Experiences Alumni

Some of our more experienced alums 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

World Business, Minor

Minors in Business for Non-Business Majors

Students enrolled in divisions of the University other than the Culverhouse College of Commerce may apply for admission to one of the business minors supported by the college, subject to the provisions stated below. Approval of the student's dean is required.

Except for the general business minor, which requires a minimum grade point average of 2.0, non-business majors admitted to a business minor must have GPAs of 2.5 or higher for all college-level and University of

Alabama coursework attempted. A student whose GPA falls below these standards may petition the associate dean for undergraduate programs of the Culverhouse College of Commerce for admission to the minor if the student's GPA for the last 30 hours attempted is at least 2.5. A student admitted to a business minor will be permitted to enroll in all courses required for that specific minor even if the student's GPA subsequently falls below a 2.5, provided all other enrollment requirements are met. All 300- or 400-level courses in the minor must be taken in residence at UA, unless permission is given by a Commerce department chair to transfer a course from another four-year institution. A GPA of 2.0 or higher within the minor must be achieved in order to complete it.

The minor in Economics is offered jointly by the Culverhouse College of Commerce and the College of Arts and Sciences; business students are allowed to complete this minor.

Non-business students must complete the course-specific prerequisites for each minor program course and must have earned credit for a minimum of 60 semester hours at the time they enroll in the 300- or 400-level courses. Non-business majors may earn degree credit for no more than 30 semester hours of Commerce courses (excluding EC 110 Principles of Microeconomics, EC 111 Principles of Macroeconomics and ST 260 Statistical Data Analysis) without approval of the associate dean for undergraduate programs. Failure to comply with these policies will result in administrative disenrollment from Commerce 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 cleared for registration each semester. College advisors are also available for additional assistance with minor, College and University requirements.

		Hours
Minor Courses		
AC 210	Intro To Accounting (EC 110 is a prerequisite for AC 210)	4
IBA 350	Introduction to World Business	3
IBA 455	Global Marketing	3
MKT 300	Marketing	3
PSC 434	Internatl Polit Econom	3
Select two of the following:		6
IBA 351	Multinational Business Communication	
IBA 460	Export/Import Management	
EC 430	International Trade	
EC 431	International Finance	
EC 442	Economic Development of Latin America	
Total Hours		22

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. 588)
- Minor
 - Social Work (p. 589)

General Degree Requirements

Students are required to complete a minimum of 120 hours for the degree. Of those, 48 hours must be in social work courses. Required courses are listed in the preceding Program Requirements section under Overview.

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. 265) section of this catalog. The University accepts transferred credit from accredited associate of arts programs (see Undergraduate Transfer Admission (p. 265) 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:

BSC 108 or	Intro Biology Non Maj I	4
BSC 109	Intro Biology Non Maj II	
PY 101	Intro To Psychology	3
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 200 or	History of Social Welfare in the United States	3
SW 205	Honors History of Social Welfare in the United States	
SW 351 or	Oppression & Soc Injustice	3
SW 355	Hon Oppression & Soc Injustice	
Total Hours		19

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 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. 588) 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: PY 101 Intro To Psychology ; SOC 101 Intro To Sociology; PY 358 Abnormal Psychology ; PY 372 Social Psychology or SOC 205 Social Psychology; BER 345 Educational Statistics ; CJ 381 Statistics; PY 211 Elem Statistical Methods or ST 260 Statistical Data Analysis .
- Students must earn a minimum grade of C on the designated writing assessment during their first semester in the professional program. Students who have not earned a C on the writing assessment by the end of the semester in which they complete SW 440 Social Work Practice with Individuals and Families will be placed on probation and 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.

Faculty

Dean

Dr. Vikki Vandiver

Assistant Dean of Scholarly Affairs

Hamner, Karl

Instructors

Blackshear, Sheila

Herrin, Charlotte B.

Hobbs, Fay Wilson

Huebner, Robin

Lockhart, Angela

Melton, Pamela

Payne, Nancy

Phelps, Carroll C.

Terrell, Joanne J.

Welker, Kathleen, W.

Assistant Professor

Bolland, Kathleen A.

Hopson, Laura M.

Noh, Hyunjin

Shah, Avani

Simpson, Gaynell M.

Sims, Omar

Starks, Karen

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Tyler, Cynthia W.

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Cheng, Tyrone Chiwai

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Drolen, Carol S.

MacNeil, Gordan A.

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Pryce, Josephine G.

Simon, Cassandra E.

Smith, Brenda D.

Professors

Csikai, Ellen L.

Lo, Celia C.

Roff, Lucinda L.

Parker, Michael W.

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.

Chairperson

Church, Wesley T.

Cheng, Tyrone Chiwai

Williams, Javonda D.

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.

The following courses are required for the BSW degree and include University Core Curriculum requirements as well as the state's general education requirements. Students must complete the foreign language (FL) requirement (see the Core Curriculum/General Education Requirements section of this catalog).

		Hours
Major Courses		
BSC 108 or BSC 109	Intro Biology Non Maj I (with lab (N)) Intro Biology Non Maj II	4
COM 123	Public Speaking	3
Select one of the following sequences:		3-6
EN 101 & EN 102	English Composition and English Composition	
EN 101 & EN 103	English Composition and Advanced English Composition	
HY 101 or HY 102	Western Civ To 1648 ¹ Western Civ Since 1648	
PY 101	Intro To Psychology	3
PY 358	Abnormal Psychology	3
SOC 101	Intro To Sociology	3
SOC 205 or PY 372	Social Psychology Social Psychology	3
SW 100 or SW 105	Introduction to the Fields of Social Work Practice Honors Introduction to the Fields of Social Work Practice	3
SW 200 or SW 205	History of Social Welfare in the United States Honors History of Social Welfare in the United States	3
SW 351 or SW 355	Oppression & Soc Injustice Hon Oppression & Soc Injustice	3
SW 401	Social Welfare Policy & Services	3
SW 410	Human Behavior and the Social Environment I	3
SW 411	Human Devel Soc Envir II	3
SW 420	Research for Social Work Practice	3
SW 440	Social Work Practice with Individuals and Families	3
SW 441	Social Work Practice with Groups	3
SW 442	SW Practice with Communities	3
SW 443	Seminar in Generalist Practice	3
SW 490	Field Education	9
Select one of the following Statistics courses:		3
BER 345	Educational Statistics	
CJ 381	Statistics	
PY 211	Elem Statistical Methods	
ST 260	Statistical Data Analysis	
Select two of the following courses: ²		6
ANT 100	Intro To Anthropology	
ANT 102	Intro Cultural Anthropology	

ANT 103	Discoveries In Archaeology
ANT 270	Introduction to Biological Anthropology
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
PSC 103	Intro Public Policy
PSC 211	State & Local Govt
or Freshman Seminar with Advisor's approval	

Credit Hours Subtotal: 73-76

Electives

Select three hours of Fine arts (FA)	3
Select four to eight hours of Foreign language (FL)	4-8
Select 11 to 15 hours of free electives	11-15
Select three hours of Humanities (HU) or fine arts (FA) or literature (L) electives ¹	3
Select three hours of Literature (L) ²	3
Select three hours of Mathematics (MA) ³	3
Select four hours of Natural science with lab	4
Select two Social Work electives	6

Credit Hours Subtotal: 37-45

Total Hours 110-121

¹ Students must have a two-course sequence in either HI or L.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.

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

Sample Course Sequence

A student may choose to vary the sequence of courses outside the School of Social Work and take some electives in the freshman and sophomore years. However, EN 101 English Composition and EN 102 English Composition, the freshman composition courses, must be taken in the freshman year. SW 101 Orientation to Social Work is recommended for new students. A student may be able to take fewer hours than the 15–16 hours per semester by going to summer session.

First Year

Fall	Hours Spring	Hours
EN 101	3 EN 102 or 103	3
PY 101	3 SOC 101	3
SW 100	3 Fine Arts	3
SW 101	1 Foreign Language	3-4
Foreign Language	3-4 Mathematics above MATH 100	3

Freshman Seminar (elective)	3
	16-17
	15-16

Second Year

Fall	Hours Spring	Hours
BSC 109 (with lab) ⁴	4 COM 123	3
EC 110 or PSC 101	3 SOC 205 or PY 372	3
HY 101 or 102	3 SW 351	3
SW 200	3 (HI) or (L) course	3
Literature course	3 Social Work elective	3
	16	15

Third Year

Fall	Hours Spring	Hours
PY 358	3 SW 401	3
SW 410	3 SW 411	3
SW 440	3 SW 441	3
Statistics	3 SW 442	3
Natural Science (with lab)	4 GY 110 or ANT 102	3
	16	15

Fourth Year

Fall	Hours Spring	Hours
SW 490	9 Free Elective or HU/FA/L course	3
SW 443	3 Free Electives	5-7
SW 420	3 Social Work elective	3
	15	11-13

Total Hours: 119-123

Social Work, 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 Social Work Practice with Individuals and Families, SW 441 Social Work 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:

Minor Courses

SW 100 or SW 105	Introduction to the Fields of Social Work Practice	3
SW 200 or SW 205	Honors Introduction to the Fields of Social Work Practice	3
SW 351 or SW 355	History of Social Welfare in the United States	3
	Honors History of Social Welfare in the United States	3
	Oppression & Soc Injustice	3
	Hon Oppression & Soc Injustice	3
Select nine hours of social work courses ¹		9
Total Hours		18

- 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.

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