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2019

## Catalog | 2019-2020

Jacksonville State University

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# UNDERGRADUATE CATALOG

## 2019-2020

Jacksonville State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges, to award bachelor's, master's, educational specialist, and doctoral degrees.

**Southern Association of Colleges and Schools Commission on Colleges**  
 1866 Southern Lane  
 Decatur, GA 30033-4097  
 Telephone: 404-679-4500  
<http://www.sacscoc.org>

Specific areas within JSU are also accredited by national accrediting agencies; the names and addresses of those agencies are listed below.

**AACSB International - The Association to Advance Collegiate Schools of Business**  
 777 South Harbour Island Blvd, Suite 750  
 Tampa, FL 33602  
 Telephone: (813) 769-6500

**Accreditation Council for Education in Nutrition and Dietetics**  
 120 South Riverside Plaza, Suite 2190  
 Chicago, IL 60606  
 Telephone: (800) 877-1600

**Accrediting Council on Education in Journalism and Mass Communications**  
 1435 Jayhawk Blvd.  
 Lawrence, KS 66045  
 Telephone: (785) 864-3973

**Alabama State Department of Education**  
 50 North Ripley Street  
 P.O. Box 302101  
 Montgomery, Alabama 36104  
 Telephone: (334) 242-9700

**American Association of Family and Consumer Sciences**  
 400 N. Columbus Street, Suite 202  
 Alexandria, VA 22314  
 Telephone: (703) 706-4600

**Association for Behavior Analysis International Accreditation Board**  
 550 W. Centre Ave  
 Portage, MI 49024  
 Telephone: (269) 492-9310

**The Association of Technology, Management, and Applied Engineering**  
 3810 Lake Boone Trail, Suite 190  
 Raleigh, NC 27607  
 Telephone: (919) 635-8335

**Commission on Accreditation for Law Enforcement Agencies, Inc.**  
 13575 Heathcote Boulevard, Suite 320  
 Gainesville, Virginia 20155  
 Telephone: (703) 352-4225

**Commission on Accreditation for Respiratory Care<sup>1</sup>**  
 1248 Harwood Road  
 Bedford, TX 76021-4244

Telephone: (817)-283-2835

**Commission on Collegiate Nursing Education**  
 655 K Street NW, Suite 750  
 Washington, DC 20001  
 Telephone: (202) 887-6791

**Computing Accreditation Commission of ABET, Inc.**  
 415 North Charles Street  
 Baltimore, MD 21201  
 Telephone: (410) 347-7700

**Council for Accreditation of Counseling and Related Educational Programs**  
 1001 North Fairfax Street, Suite 510  
 Alexandria, VA 22314  
 Telephone: (703) 535-5990

**Council on Social Work Education**  
 1701 Duke Street, Suite 200  
 Alexandria VA 22314-3457  
 Telephone: (703) 683 -8080

**National Association of Public Affairs and Administration**  
 1029 Vermont Ave. NW, Suite 1100  
 Washington, DC 20005-3517  
 Telephone: (202) 628-8965

**National Association of Schools of Art and Design**  
 11250 Roger Bacon Drive, Suite 21  
 Reston, VA 20190  
 Telephone: (703) 437-0700

**National Association of Schools of Music**  
 11250 Roger Bacon Drive, Suite 21  
 Reston, VA 20190  
 Telephone: (703) 437-0700

**National Association of Schools of Theatre**  
 11250 Roger Bacon Drive, Suite 21  
 Reston, VA 20190  
 Telephone: (703) 437-0700

**National Council for Accreditation of Teacher Education/Council for the Accreditation of Educator Preparation**  
 1140 19th Street, Suite 400  
 Washington, DC 20036  
 Telephone: (202) 223-0077

<sup>1</sup> Provisional Accreditation Status

## BOARD OF TRUSTEES

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<b>Trustee Name</b>	<b>District</b>	<b>Term</b>
The Honorable Kay Ivey	Governor of Alabama	President Ex Officio
Senator Vivian Davis Figures (Vice Chair)	First	2012-2023
Ms. Gale Saxon Main	Second	2012-2023
Mr. Greg Brown	Third	2016-2021
Mr. Anthony Smoke	Third	2019-2022
Mr. Clarence W. Daugette III	Fourth	2012-2023
Mr. Randall Jones (Chair)	Fifth	2008-2021
Mr. Rusty Fuller	Sixth	2016-2019
Mr. Randy Owen	In-State At-Large	2000-2024
Mr. Tony Ingram	Out-of-State At-Large	2015-2021

# HISTORY OF JACKSONVILLE STATE UNIVERSITY

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From modest beginnings, Jacksonville State University has evolved into the educational center of Northeast Alabama. The Alabama Legislature in the 1882-83 session created a state normal school when Governor Edward O'Neal signed into law a bill creating the school on February 22, 1883. Jacksonville State Normal School acquired the facilities and equipment of Calhoun College, consisting of twelve acres of land and a two-story brick building. The Board of Directors elected James G. Ryals, Jr., as the first president. The school opened with three instructors: W. J. Borden, Mathematics; Eliza A. Bowen, English; and Ida J. Woodward, primary department. As stipulated in the establishing act, the Normal School conducted a preparatory school for children of the town and surrounding areas. At the end of the first year, on August 15, 1884, William Mark Haymes, President of the Board of Directors, reported that funds totaling \$4,751.25 had been received, including \$2,500 from the state, that 25 students were enrolled in the normal school, and that 222 were in the preparatory school.

The Normal School remained in operation until 1930 when it became Jacksonville State Teachers College, reflecting an increasing higher education role for the Institution. Five years later, the College earned regional accreditation from the Southern Association of Colleges and Schools. In 1957, the name changed again, to Jacksonville State College, when the first graduate program, the master's degree in elementary education, was created. On August 2, 1966, the Legislature authorized the State Board of Education to elevate the college to university status. On August 17, 1967, the Legislature established an independent Board of Trustees for the university and divested jurisdiction from the State Board of Education.

Jacksonville State University has been served by twelve presidents:

- James G. Ryals, Jr. (1883-1885)
- J. Harris Chappell (1885-1886)
- Carlton Bartlett Gibson (1886-1892)
- J. B. Jarrett (1892-1893)
- Jacob Forney IV (1893-1899)
- Clarence William Daugette (1899-1942)
- Houston Cole (1942-1971)
- Ernest Stone (1971-1981)
- Theron E. Montgomery (1981-1986)
- Harold J. McGee (1986-1999)
- William A. Meehan (1999-2015)
- John M. Beehler (2015-present)

Jacksonville State University has evolved into a modern comprehensive regional university serving Northeast Alabama on a campus comprised of over 464 acres of land and approximately 2.5 million square feet of facilities. Through its programs of teaching, research and service, Jacksonville State University has served the region and state for more than 135 years.



# MISSION AND VISION STATEMENTS

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## Mission Statement

Jacksonville State University, as a learning-centered community, provides distinctive educational, cultural and social experiences to prepare students to be competent, ethical professionals and engaged, responsible, global citizens.

## Vision Statement

Jacksonville State University will be recognized nationally for excellence in providing a transformational learning environment that supports student success and engagement, regional stewardship and innovation.

## Core Values

Jacksonville State University is committed to:

- Student-Centered Culture
- Excellence
- Transformation
- Innovation
- Engagement
- Stewardship
- Integrity
- Inclusivity

## Key Strategic Initiatives

- Increase Enrollment
- Expand Regional Stewardship
- Enhance University Resources
- Expand Innovative Educational Experiences
- Enhance Branding and Marketing
- Enhance Human Capital
- Enhance University Infrastructure

More information can be found at [http://www.jsu.edu/president/strategic\\_planning.html](http://www.jsu.edu/president/strategic_planning.html). ([https://nam05.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.jsu.edu%2Fpresident%2Fstrategic\\_planning.html&data=02%7C01%7Cehwhite%40jsu.edu%7Cadeb83a343274e4f75f708d6fefccbe7%7C32f44c14cd0e4539b7633c860a76727a%7C0%7C0%7C636976759057863704&data=sbB57ZZ4otpvylm%2BHQeMqXoT0kQjWYjHyBf63L6qpS4%3D&reserved=0/](https://nam05.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.jsu.edu%2Fpresident%2Fstrategic_planning.html&data=02%7C01%7Cehwhite%40jsu.edu%7Cadeb83a343274e4f75f708d6fefccbe7%7C32f44c14cd0e4539b7633c860a76727a%7C0%7C0%7C636976759057863704&data=sbB57ZZ4otpvylm%2BHQeMqXoT0kQjWYjHyBf63L6qpS4%3D&reserved=0/))

# ADMISSION TO THE UNIVERSITY

## General Information

Information regarding admission to the university and all necessary forms for admission may be obtained by contacting the:

Office of Admissions  
 Jacksonville State University  
 700 Pelham Road North  
 Jacksonville, Alabama 36265-1602

You can also visit [www.jsu.edu/apply](http://www.jsu.edu/apply) (<http://www.jsu.edu/apply/>) or email [admissions@jsu.edu](mailto:admissions@jsu.edu) ([info@jsu.edu](mailto:info@jsu.edu)) for more information.

All first-time applicants are required to submit the following:

1. a completed application
2. a non-refundable application fee of \$35.00 or applicable fee waiver
3. appropriate academic credentials (See following section on Application Procedures)

Students are admitted prior to the beginning of each semester. **It is strongly recommended that students apply at least three months prior to the expected date of enrollment.** It is the student's responsibility to see that the requirements for admission are submitted to the Office of Admissions. These documents must be sent to JSU directly from the high school, college, or testing agency. Decisions regarding admissibility to the university will be made as soon as all necessary credentials are received in the Office of Admissions. Admissions decisions are assigned only for the term a student applies. Students who have been admitted to JSU but do not enroll are required to submit an updated admissions application and meet the admission requirements for the updated term and student type.

JSU offers some academic programs which have additional assessment requirements beyond those listed below for admission to the university. Acceptance to JSU does not constitute assessment by any of these programs. Students who desire to study in academic programs that have additional requirements should refer to the academic program for information regarding requirements to study in that area.

## Nondiscrimination

Jacksonville State University has filed with the Federal Government an Assurance of Compliance with all requirements imposed by or pursuant to Title VI of the Civil Rights Act of 1964 and the Regulation issued thereunder, to the end that no person in the United States shall, on the ground of age, religion, race, color, sex, disability, veteran's status, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity sponsored by this institution. Under this Assurance, this institution is committed not to discriminate against any person on the ground of age, religion, race, color, sex, disability, veteran's status, or national origin in its admission policies and practices or any other policies and practices of the institution relating to the treatment of students and other individuals, including the provision of services, financial aid and other benefits, and including the use of any building, structure, room, space, material, equipment, facility or other property. Any person who believes himself/herself, or any specific class of individuals, to be subjected to discrimination prohibited by Title VI

or the Act and Regulation issued thereunder may, by himself/herself or a representative, file a written complaint with the United States Commissioner of Education or with this institution, or both.

## Self-Disclosure

Jacksonville State University is committed to maintaining a safe, learning-centered setting for all persons in the community. In support of this commitment, JSU requires all applicants to answer questions related to disciplinary history at educational institutions and felony history. Previous disciplinary action and/or felony history will not automatically bar applicants from admission but will require review. Applications requiring review should arrive at least two months prior to start of classes.

## Application Fee Waiver

JSU will accept requests from first year applicants who have a financial need to waive the \$35 admissions application fee. Requests for first time freshman applicants include ACT/CollegeBoard fee waivers, NACAC fee waivers, and letters/emails from a high school administrator or counselor that addresses the financial need will be accepted. Requests for first time transfer applicants include documentation of Pell-eligible estimated family contribution (EFC). More information can be found at <https://studentaid.ed.gov/sa/types/grants-scholarships/pell>. Applicants may indicate they will be requesting a fee waiver when applying. Supporting documentation will be required to waive the fee.

## Appeals

Any student who does not initially meet admission requirements (due to not meeting the minimum ACT/SAT score requirement, the minimum high school grade point average requirement, the minimum college/university grade point average requirement or suspension from a prior college) will be reviewed by the Admissions Committee at the time all admission documents are received. If a student is denied admission to the university, the Associate Vice President for Enrollment Management shall consider a student's appeal. To appeal an admissions decision, the student should submit a letter/email of appeal explaining any extenuating circumstances and why an exception to admission requirements should be granted. They should also provide two (2) official letters of recommendation from a high school or college teacher for which they have taken core classes. The institution reserves the right to reject by action of the Office of Admissions the application of any individual whose characteristics or actions are considered detrimental to the institution. All applicants will be notified concerning admission as soon as all their records have been processed. A student who is denied admission by the Admissions Committee and whose appeal is denied by the Associate Vice President for Enrollment Management has the right to appeal to the president of the university whose decision is final.

International undergraduate students may make an appeal to the International Admissions Appeal Committee, an extension of the Undergraduate Admissions Committee.

If a student is admitted to JSU through the summer bridge program, Fast Start Academy, and are unable to attend Fast Start Academy due to an extenuating circumstance, they may appeal their admissions decision through the Admissions Committee. The student will need to submit the requirements of the Admissions Committee and also provide documentation of their extenuating circumstance.

## Application Procedures

First-Time Freshman Students (never attended college/university or only attended as a dual enrollment student)

First-time freshman student applications should be submitted after completion of the junior year of high school. It is recommended that first year students apply for admission before graduating from high school. High school graduates are admitted on the basis of both an acceptable high school record and the score on the ACT or SAT. Students who seek admission as a first year student to the university must satisfy all requirements for first-time freshman admission, as follows:

- Minimum high school GPA and graduation with acceptable diploma type
- Minimum ACT or SAT scores

Jacksonville State University admits students who have demonstrated that they are capable of college level work and have a reasonable chance to successfully complete a college degree. Students without academic skill deficits or with minimal academic skill deficits (verbal communication, mathematics and reading), as demonstrated by high school record, ACT or SAT scores and other reasonable evidence, are admitted unconditionally. Students with moderate academic skill deficiencies, which are likely to require more than one semester for successful remediation, will be conditionally admitted. Conditionally admitted students must be enrolled in prescribed developmental studies courses and other assigned activities until all academic skill deficiencies are eliminated. All admitted students must successfully eliminate all academic skills deficiencies within twelve months of admission or, if not enrolled on a continuing basis, the first twenty-four hours of attempted academic credit.

First year students who apply for admission but have not attended high school or a secondary education institution in eight (8) or more years or are at least 25 years of age must submit proof of high school graduation or the equivalent, but are exempt from the grade point average and ACT/SAT requirement listed in the sections. First year students in this category may choose to take the ACT/SAT for placement into the appropriate level of English. Students in this category who do not choose to submit a standardized test score will be placed in English after consultation with the Department of English.

A. High School Transcript – Prior to graduation, an official high school transcript is required indicating the GPA of work completed through the junior year of high school. To be offered provisional admission before high school graduation, applicants should have a cumulative high school grade point average of 2.00 on a 4.00 scale (75/100). Upon graduation, an official high school transcript showing the date of graduation and type of diploma received is required. To meet admission requirements, applicants should have graduated with an acceptable diploma and a high school cumulative grade point average of 2.00 on a 4.00 scale (75/100). (JSU Policy No. III:19 High School Diploma Validation Policy)

1. Transcripts must be sent from the accredited high school by mail or email. Mailed transcripts should be in a sealed envelope and emailed transcripts should indicate the sending address is a school official. Students are encouraged to emphasize the following subjects in their high school programs: English, social studies, mathematics, foreign languages, and the natural sciences.

2. Students who have earned college credit while in high school through dual enrollment must request the credit awarding

institution to send a transcript indicating the credit is not conditional or pending.

3. Non-graduates of high school may apply if they have passed the high school level General Education Development (GED) test and present an official score report of their test results. The score report should be sent to JSU directly from the testing agency or should be placed in a sealed envelope from the testing agency and presented unopened to the Office of Admissions.

B. Standardized Test Scores (ACT/SAT) – First year students are also required to submit official scores. JSU does not combine test scores to create a super score. The writing score is not utilized for admission purposes. ACT/SAT scores that are over eight (8) years old will not be considered for admission or scholarship purposes. JSU reserves the right to remove test scores from a student record if ACT/CollegeBoard sends a test score cancellation notice.

1. Admission Requirements	Qualifications	Requirements
Admission Requirements	ACT Composite 20 or higher OR SAT Combined Critical Reading and Math 1030 or higher AND High School Grade Point Average 2.00 on 4.00 scale <sup>1</sup>	
2 Conditional Admission	ACT Composite 18-19 OR SAT Combined Critical Reading and Math 960-990 AND High School Grade Point Average 2.00 on a 4.00 scale <sup>1,3</sup>	Must be continuously enrolled in prescribed developmental skills courses; participate in prescribed counseling and advisement activities; and remediate all academic skill deficiencies (including LS-104) within one year

<sup>1</sup> Applicants must also provide evidence of high school graduation with an acceptable diploma. Successful completion of the GED is acceptable in lieu of high school graduation. GPA will be taken from the final high school transcript provided to the Admissions Office after graduation. Students will be provisionally admitted until the final high school transcript has been received by the Admissions Office. Once the final transcript has been received, the GPA will be reviewed and must meet the required minimum for admission.

<sup>2</sup> Any student who does not initially meet admission requirements will be reviewed for admission to the university by the admissions committee for conditional admission or other admission categories, i.e. Fast Start Academy.

<sup>3</sup> Students may be exempt from taking LS 104 depending on the student's high school grade point average.

C. JSU dual enrollment students who have completed at least one course and remain eligible to take other courses as dual enrollment students will be considered for unconditional admission to the university as first year students. ACT or SAT scores will not be reviewed for the admission decision, only for placement purposes. ACT or SAT scores are still

required for scholarship consideration. These students must still meet the high school GPA requirement of 2.00.

D. The Admissions Office shall consider the appeals of applicants who are denied admission to the university due to not meeting the admission requirements. (See Appeals)

## II. Transfer Students (never attended JSU but have attended a college/university)

Transfer applications should be submitted as soon as there is interest in attending JSU. Students who seek to transfer to the university after attending another accredited college or university must satisfy all requirements for transfer admission as follows:

- Minimum cumulative grade point average of 2.00 (GPA used is that which is computed by JSU).
- Eligible to re-enter all institutions previously attended.

A. The university reserves the right to accept or deny coursework presented for transfer. Coursework from regionally accredited institutions will be accepted as equivalent courses at JSU provided JSU offers an equivalent course at the appropriate level. Credit for any course or part of a course will not be granted twice. Courses not having equivalents at JSU may be accepted as an elective. The transfer credit decision will be made on a course-by-course basis by the Registrar's Office during the credit evaluation process. For additional information, such as appeals of transfer credit, students may contact the Registrar's Office. Grades earned with a "D" or higher from other institutions will be used in computing the *transfer* grade point average. Students transferring coursework are advised that program GPA requirements will be based on *institutional* GPA requirements as well as resident requirements when considering assessment into or retention in certain programs, major and minor requirements, and graduation requirements. Courses with grades of "D" will be accepted except for certain JSU courses listed in the catalog with a grade mode of NC (no credit). However, a course in which a "D" grade has been earned is not creditable toward the major and/or minor requirements and may not be creditable toward some specific program requirements. If transfer courses are repeated at the transfer institutions, only the highest grade will be initially evaluated. Additionally, "I," "F," "W," "WP" and "WF" grades in courses will not transfer. Any transfer course evaluated after the initial evaluation, in which that course has been repeated, will transfer but will not be included in the transfer GPA or hours earned. Once the final transcript has been received, the transfer GPA will be recalculated and must meet the required minimum for admission. Students academically ineligible to return to the last institution attended may not be admitted to JSU. Students under disciplinary probation or suspension at other institutions must disclose their disciplinary history in their application for admission. This is also the case for any student who has pled guilty to, or pled no contest (*nolo contendere*), or has been convicted of a felony. Any student with disciplinary history will be required to submit additional documentation. Information disclosed will be reviewed by the Director for Community Standards and Student Ethics and an admissions decision will be made based on the student's individual situation.

B. Transfer students are required to present one official transcript from each institution previously attended. It is the responsibility of the applicant to ensure transcripts are sent to JSU. These transcripts must be sent to JSU directly from the institution or

placed in a sealed envelope from the institution and presented unopened to the Office of Admissions. JSU accepts transcripts sent electronically through sending networks. (Contact the college/university sending the transcript to determine if this is an option at that institution.)

C. If fewer than 24 semester hours are accepted, based on hours computed by JSU, students must also fulfill all requirements listed under the First Year Student Admissions section unless the applicant has an associate's degree from an accredited institution.

D. Students under academic probation at other accredited institutions are admissible to JSU on probation, provided they are eligible to return to that institution. Students academically ineligible to return to previous institutions attended may not be admitted to JSU. They may, however, appeal to the Admissions Committee for consideration of their individual situation. Students under disciplinary probation or suspension at other institutions are not eligible to enroll at JSU. They may, however, appeal to the Vice President for Student Affairs for consideration of their individual situation. Students with less than 2.00 cumulative GPA may be considered for admission after a review by the Admissions Committee. The GPA will be computed from all transcripts received by the Office of Admissions at the time of application. In order for a review of the application to occur, all transcripts from previously attended colleges/universities must be in the Office of Admissions. The Office of Admissions shall consider the appeals of applicants who are not admissible to the university due to not meeting the minimum college/university grade point average requirement or suspension from a prior college. To appeal to the Office of Admissions, transfer students should have submitted all requirements for admission and adhere to the Appeals process.

E. AGSC/STARS: the Alabama Articulation and General Studies Committee/Statewide Transfer and Articulation Reporting System is part of a system created by Alabama legislation designed to help a student transfer from one institution to another. This system is a course-by-course display of Alabama two-year and four-year institutions to assist students with questions pertaining to credit hour and course transfer. Applicants can review the AGSC/STARS guide at [www.gettheguide.net](http://www.gettheguide.net) (<http://www.gettheguide.net>). Students may transfer from a two-year college at any time. Note: Although an unlimited number of hours are acceptable from a two-year college, students must earn a minimum of 60-64 semester hours, depending on major, from a four-year college or university, 32 of which must be earned from JSU.

## III. International Student Admission

A. International students who seek admission to the university and have never attended college in the United States must satisfy all requirements for admission, as follows:

- Minimum score on one exam (see below)
- Proof of higher secondary school graduation
- Copy of valid passport
- Completed International Student Proof of Financial Statement stating required balance (will be used only for I-20/DS-2019 issuance purpose)

B. International students who have never attended college in the United States must present a minimum score on one of the exams listed below. The chosen test must have been taken within the last

two years and be sent to the university from the test agency. These test scores should be sent to JSU directly from the testing agency. Alternately, international students may be admitted as English Language Institute Conditional Admission first year students or transfers and study in the English Language Institute (ELI) before university study. To apply under this option, students must contact ELI ([eli@jsu.edu](mailto:eli@jsu.edu)) for information. Students who begin in the ELI may meet the university language requirement either by successfully completing the English Language Institute program prior to beginning study for an academic degree or meeting the TOEFL, IELTS, PTE, iTEP, ACT or SAT scores.

Test Type	Required Minimum
TOEFL (paper-based)	500
TOEFL (computer-based)	173
TOEFL (internet-based)	61
IELTS	5.5
PTE Academic	45
iTEP	3.7
ACT Composite	18 (English subtest 14)
SAT Critical Reading and Math	960 (Critical Reading subtest 19)

<sup>1</sup> **Exempted Countries:** Antigua and Barbuda, Australia, Bahamas, Barbados, Belize, Bermuda, Canada (except Quebec), Fiji, Grenada, Guyana, Ireland, Jamaica, Kiribati, Marshall Islands, Micronesia, New Zealand, Solomon Island, St. Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, United Kingdom.

C. In addition to the test score requirement, an international student must send a certified English translation of secondary school transcripts and proof of secondary school graduation when needed to the JSU Admissions Office. These documents should indicate attestation of translation from an original document. Alternately, international students may send their higher secondary school documents to an approved evaluation agency listed below. This evaluation must be mailed to JSU directly from the evaluation agency. A grade point average of 2.00/4.00 (U.S. scale) is required as a minimum GPA.

D. International students who have attended a regionally accredited institution in the United States and are transferring to JSU must present official transcripts from each institution attended. Those students who have earned 24 transferrable hours from regionally accredited institution(s) are not required to meet the test score requirements listed in Section III Part B.

E. All international students are required to submit a copy of their passport to ensure correct spelling on the I-20/DS-2019. Additionally, all international students are required to provide documentary evidence showing adequate financial resources are available to attend the university. If the student is attending another college/university on a F1/J1 Visa, the "International Student Transfer Form" must be submitted.

F. International students who have been accepted as participants in special university-approved programs with JSU (the International House Program, exchange agreements, dual degrees by inter-university collaboration or other contractual agreements) will have met JSU's International Admission requirements, and all other admission requirements may be waived.

The application for admission to JSU will not be accepted without the documents listed above and the \$35 (U.S.) non-refundable application fee. **Application materials must be received by the deadlines:**

- **July 1 - fall semester**
- **November 1 – spring semester**
- **March 1 – summer semester**

International course-by-course evaluations with GPA calculations must be completed by any NACES member agency: <http://www.naces.org/members.htm> and mailed directly to JSU.

International undergraduate students may make an appeal to the International Admissions Appeal Committee, an extension of the Undergraduate Admissions Committee.

#### IV. Returning Students (students who have attended JSU and earned credit)

Students who have either previously attended JSU, earned credit, and have not attended within a year or are pursuing a second bachelor's degree should update their admission status. Returning students are not required to pay the undergraduate admission application fee, but are required to complete and submit an updated application. This form is available in the Office of Admissions or online at [www.jsu.edu/apply](http://www.jsu.edu/apply) (<http://www.jsu.edu/undergraduate/>).

Students who seek to return to the university and have attended elsewhere since attending JSU must satisfy all requirements for admission, as follows:

- Submit transcripts from each institution
- Minimum cumulative grade point average of 2.00 (GPA used is that which is computed by JSU)
- Eligible to re-enter the institution last attended

Former students who plan on returning to JSU after attending other institutions will be evaluated as transfer students and must meet the transfer student admission requirements. Transcripts must be requested from other institutions and will be evaluated and considered as a part of the returning process. After all required documents have been received, the returning student will be notified of their eligibility to continue taking courses at JSU. The university reserves the right to accept or deny course work presented for transfer from returning students. Typically, all course work from regionally accredited institutions will be accepted as fair equivalent courses at JSU provided JSU has an equivalent course at the appropriate level.

Credit for any course or part of a course will not be granted twice. Courses not having equivalents at JSU may be accepted as an elective. The transfer credit decision will be made on a course-by-course basis by the Registrar's Office during the credit evaluation process. For additional information, such as appeals of transfer credit, students may contact the Registrar's Office. Grades earned with a "D" or better from other institutions will be used in computing <sup>1</sup>transfer grade point average. Students transferring course work are advised that program GPA requirements will be based on institutional GPA requirements as well as resident requirements when considering assessment into or retention in certain programs, major and minor requirements, and graduation requirements. Courses with grades of "D" will be accepted except for certain JSU courses. A course in which a "D" grade has been earned is not creditable toward the major and/or minor requirements and may not be creditable toward some specific program requirements. If transfer courses are repeated at the transfer institutions, only the highest grade

will be initially evaluated. Additionally, "I," "F," "W," "WP" and "WF" grades will not transfer. Any transfer course evaluated after the initial evaluation, in which that course has been repeated, will transfer but will not be included in the transfer GPA or hours earned. Students academically ineligible to return to the last institution attended may not be admitted to JSU.

Students under disciplinary probation or suspension at other institutions must disclose their disciplinary history in their application for admission. This is also the case for any student who has pled guilty to, or pled no contest (*nolo contendere*), or has been convicted of a felony. Any student with disciplinary history will be required to submit additional documentation. Information disclosed will be reviewed by the Director for Community Standards and Student Ethics and an admissions decision will be made based on the student's individual situation.

<sup>1</sup> Transfer GPA is calculated based on transferring coursework ONLY as determined by the Registrar's Office during the credit evaluation process. Transfer GPA will be used to determine admission eligibility.

### **V. Transient Students or Non Degree-Seeking Students (non-degree candidates enrolling for one term)**

Transient students or non-degree seeking will not be considered degree-seeking students at JSU but rather taking courses for personal enrichment and/or to transfer to the institution where the degree is being pursued. Transient students planning to transfer JSU credits to another institution should consult the appropriate dean or registrar at that institution to determine the acceptability of the JSU credit. Please note that transient students are not eligible for Title IV funds. For more information, please contact the Financial Aid Office.

Students who seek admission to the university as a transient student must satisfy all requirements for admission, as follows:

- Transient letter or official transcript from the current or previous college or university
- Eligible to re-enter the institution last attended.

International transient students must meet requirements for regular international student admission and immigration regulatory requirements.

Students who seek admission to the university as a non degree-seeking student must satisfy all requirements for admission, as follows:

- Transient letter or official transcript from the current or previous college or university
- Eligible to re-enter the institution last attended

### **VI. Jump Start Dual Enrollment**

A student may be admitted as a Jump Start Scholars/Dual Enrollment high school student by meeting the following conditions:

- Applicants must have earned a "B" average or better in ninth grade work.
- Applicants must have completed the ninth grade before enrolling as Jump Start Dual Enrollment students.
- All applicants must have written permission from their principal and/or superintendent.
- All applicants must submit an application to the university as a Jump Start Dual Enrollment student.

- Dual enrollment credit for high school units may be granted by the school system. High school units may be earned in addition to college credits with the permission of the superintendent.

Jump Start Dual Enrollment students are subject to all rules and regulations of the university as well as its rights and privileges. Jump Start Dual Enrollment students may register for 100- or 200-level courses in any academic field in which the student has completed high school requirements and/or prerequisites. Jump Start Dual Enrollment students must maintain a "C" average or better in all attempted university coursework, and a "B" average in high school.

### **How to Apply**

First, students should contact their high school counselor or principal and request that a High School Approval Form be submitted to JSU for them to participate in the Jump Start Dual Enrollment Program. Applicants must have earned a "B" average or better in 9th grade work. Students must have the permission from the school counselor, principal or superintendent to participate in the Jump Start Dual Enrollment Program. Second, students who are approved should apply online by completing the Jump Start Dual Enrollment High School Application.

### **VII. Early Admission**

To accommodate high school students with exceptional ability, Jacksonville State University considers them on an individual basis for early admission. Students who wish to enter college after completing the 11th grade in high school must present evidence that admission to college would be more beneficial than continuation in high school. Such individuals are considered for admission as regular students.

Minimum requirements for early admission include a grade of "B" on academic subjects in high school and an ACT composite score of 26. To consider an applicant, the following material must be presented to the Office of Admissions for review by the Admissions Committee:

- A letter of request from the applicant
- One copy of the official high school transcript
- The official ACT report
- A letter of recommendation from the high school principal or superintendent
- A letter of approval from parent(s) or guardian
- A completed application to the university with the non-refundable application fee

### **Orientation**

First year students, under the age of 25, must attend an orientation session prior to the semester they wish to attend (See section: **Application Procedures**). The orientation/advisement session includes a brief introduction to campus life, academic advisement, schedule preparation, and registration. Following registration, students can obtain an I.D. card, and automobile registration. Questions regarding orientation should be directed to the Dean of Students Office.

# TUITION AND FEES FINANCIAL POLICIES

Jacksonville State University's fees have remained lower than those charged by most other quality institutions in the state and nation. Small increases are required, however, as our costs rise.

## Tuition and Fee Rates

**As a student at JSU, it is your responsibility to pay all tuition and fees by the published due date. Not doing so will result in your registration being cancelled.**

**Current tuition and fees can be found on the Student Accounts (<http://www.jsu.edu/bursar/fees/>) website.**

*All tuition and fees are subject to change.*

## Payments

Payment may be made by one of the following ways:

- in the Office of Student Accounts cashier window located on the 2nd floor of Bibb Graves Hall
- via the web at <http://my.jsu.edu>
- by mail with a check or money order, which must be received in the Office of Student Accounts by the published due date.

Payments may be made with a valid checking or savings account, credit card (Visa, Mastercard or Discover), or money order.

Students are responsible for knowing all registration and fee payment dates.

Any ID reprint charges or other miscellaneous charges are due upon the charge appearing on the student account.

## Payment Plan

Jacksonville State University offers students an installment plan to budget the costs of tuition and university housing and other fees. The details for the payment plan can be found at <http://www.jsu.edu/bursar/PaymentPlan> (<http://www.jsu.edu/bursar/PaymentPlan.html>).

## Checks

When paying by check, Jacksonville State University is authorized to either use the information from the check to make a one-time electronic fund transfer from your account or to process the payment as a check. In the event a check presented is not honored by the bank, JSU will charge the current maximum fee allowed by the State of Alabama for each return. Administrative withdrawal from the university could result if a returned check is in payment for tuition and/or fees. After two (2) returned checks, the privilege of paying by check will be forfeited. No counter checks will be accepted. The university is unable to cash personal checks.

## International Students

International students are required each semester to pay tuition, fees, and residence hall charges in U.S. dollars to confirm registration. International students must conform to United States Customs and Immigration Services (USCIS) regulations concerning the USCIS Form I-20, section 8,

for financial assurance. All international students are required to carry JSU approved health and repatriation insurance.

## University Housing

For information on room rates and facilities, please visit the Office of Housing Operations and Residence Life website: [www.jsu.edu/housing](http://www.jsu.edu/housing) (<http://www.jsu.edu/housing/>).

## Out-of-State Fees

Residency determination and the application of out-of-state fees and tuition will be made in accordance with the laws of the State of Alabama. Undergraduates and graduates should contact the Registrar's Office with any questions. Petitions for in-state tuition that are granted prior to the last day of the drop/add period will be effective that semester. After the last day of the drop/add period, in-state tuition determination will apply to the next academic semester. Determination of in-state tuition is not retroactive.

## In-State Tuition Policy for Out-of-State Students

In accordance with §16-64-2, *Code of Alabama 1975*, Jacksonville State University may allow in-state tuition status to out-of-state students who meet the requirements of law as follows:

- **One who, at the time of registration, is not a minor and satisfies one of the following:**
  - Is a full-time permanent employee of the institution at which the student is registering or is the spouse of such an employee.
  - Can verify full-time permanent employment within the State of Alabama or is the spouse of such an employee and will commence the employment within 90 days of registration with the institution.
  - Is employed as a graduate assistant or fellow by the institution at which the student is registering.
  - Is an accredited member of or the spouse of an accredited member of a consular staff assigned to duties in Alabama.
  - Is in a program or takes courses within an interstate consortium of colleges or universities that either offers reciprocal resident student tuition to residents of Alabama in the program or courses offered by colleges or universities not within Alabama, or is enrolled in a program or courses through an interstate consortium of colleges or universities that assesses tuition at a uniform rate for all students enrolled in that course or program.
  - Is a member or the spouse of a member of the United States military on full-time active duty stationed in Alabama under orders other than attending school.
  - Has been a member of the Alabama National Guard for a period of at least two years immediately preceding the student qualifying for resident tuition and continues to be a member of the Alabama National Guard while enrolled at the public institution of higher education.
  - Is a veteran of the Armed Forces of the United States, provided that the veteran has become a resident of Alabama and satisfies at least one of the following conditions:
    - The veteran has served on active duty for a continuous period of time, not less than two years, and has received an honorable discharge as verified by a United States Department of Defense Form 214 within five years of enrolling in an Alabama public institution of higher education.
    - The veteran is currently serving in a reserve component of the Armed Forces of the United States, as verified by a

memorandum from the commanding officer of the veteran student.

- The veteran has been assigned a service-connected disability by the United States Department of Veterans Affairs.
- Is an out-of-state veteran who resides within 90 miles of a campus located in Alabama and has enrolled at an institution whose board of trustees has voted to allow nonresident in-state tuition for active and retired military.
- **As of March 1, 2019, is receiving or entitled to receive benefits under the Post-9/11 GI-Bill or Montgomery GI-Bill programs, or other federal law authorizing veterans' educational benefits, and satisfies as least one of the following conditions<sup>1</sup>:**
  - A veteran using educational assistance under either Chapter 30 (Montgomery GI Bill-Active Duty Program) or Chapter 33 (Post-9/11 GI Bill), of Title 38, United States Code, who lives in Alabama while attending a school located in Alabama (regardless of his/her formal state of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.
  - Anyone using transferred Post-9/11 GI Bill benefits (38. U.S.C. 3319) who lives in Alabama while attending a school located in Alabama (regardless of student's formal State of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.
  - Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three year period following discharge or release as described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.
  - Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38. U.S.C. 3311 (b)(9)) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal state of residence).
  - Anyone using transferred Post-9/11 GI Bill benefits (38. U.S.C. 3319) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty.
  - Anyone using educational assistance under Chapter 31, Vocational Rehabilitation/Employment (VR&E), also be charged the resident rate. Effective for courses and terms beginning after March 1, 2019, a public institution of higher learning must charge the resident rate to chapter 31 participants, as well as the other categories of individuals described above. When an institution charges these individuals more than the rate for resident students, VA is required to disapprove programs of education sponsored by VA.
  - The policy shall be read to be amended as necessary to be compliant with the requirements of 38. U.S.C. 3679 (c).
- **One who, at the time of registration, is a minor and whose supporting person satisfies one of the following:**
  - Is a full-time permanent employee of the institution at which the student is registering.
  - Can verify full-time permanent employment within the State of Alabama and will commence the employment within 90 days of registration with the institution.
- Is an accredited member of a consular staff assigned to duties in Alabama.
- Is a member of the United States military on full-time active duty stationed in Alabama under orders for duties other than attending school.
- **One who, at the time of registration, is a full-time undergraduate student receiving a partial or full JSU or JSU Foundation funded scholarship award in recognition of a demonstrated academic or particular non-academic talent or ability, provided such student possesses the talent or ability at the time of initial enrollment and maintains continuous scholarship eligibility at the University.**
- **International Students - International students must have the ability to remain indefinitely in the United States and otherwise meet the requirements of the Alabama law.**
  - A person must be a Permanent Resident Alien, Political Asylee, Political Refugee, or who hold an A, E, G, H, I, L, O, P, R, TC, TD, or TN visa to be considered as an in-state resident or one for tuition purposes.
  - Students who hold a B, F, J, or M visa are not eligible to establish Alabama residency unless their supporting person meets the criteria in this policy for residency for tuition purposes. Full-time employees of a company party to an Alabama Free Trade Agreement may be eligible to establish residency based on that employment.

<sup>1</sup> 38 U.S.C. 3679 requires that students meeting the following requirements be charged tuition at a rate not to exceed in-state rates. An addendum to the official university catalog and statement of institutional compliance is attached. Where there is a conflict between the policy language as stated and federal law, the provisions of federal law will apply.

## Withholding of Credits

Students are expected to meet all financial obligations to JSU. Registration and/or transcripts may be withheld if a student fails to meet their financial obligations.

In the event a student fails to satisfy a financial obligation to the university and the debt is referred to an outside attorney or agency for collection, in addition to the debt (principal plus applicable interest), the student will be responsible for all costs, charges, and expenses incurred by the university, including attorney's fees and/or collection agency fees and expenses, not to exceed thirty-three and 1/3 percent (33.3%) of the debt, plus litigation expenses and court costs, if applicable. Debts owed the university may be referred out for collection as accounts or, where litigation has concluded, as judgments. Delinquent accounts may accrue interest at the contract rate or, where none is stated, at the maximum rate allowed by Alabama law. Any judgment obtained in favor of the university will accrue interest at the rate set by Alabama law for unpaid judgments. By providing your telephone number to JSU, you agree and give express consent that the university or anyone working on their behalf, including third party vendors, may contact you at the number provided by manually dialing the number or by using automated dialing technology.

Questions about charges and refunds should be addressed to the Office of Student Accounts, 256-782-5458.

## Refunds or Charge Adjustments

### Withdrawal

Tuition will be refunded as follows for fall and spring semesters:



- 100% of total tuition charged if withdrawal from all courses from the semester occurs by the last day to register for the semester.
- 80% of total tuition charged if withdrawal from all courses from semester occurs within one (1) week after the close of the registration period.
- 50% of total tuition charged if withdrawal from classes occurs within three (3) weeks after the close of registration.
- No adjustment if withdrawal occurs thereafter.

Tuition will be refunded as follows for summer semester:

- 100% of total tuition charged if withdrawal from the summer term occurs by the last day to register for that term.
- 80% of total tuition charged if withdrawal from a summer term occurs within one (1) day after the close of the registration period for that term.
- 50% of total tuition charged if withdrawal from a summer term occurs within two (2) days after the close of registration.
- No adjustment if withdrawal occurs thereafter.

Note: Withdrawal refers to ending enrollment in all classes at JSU for the semester/summer term.

***Students who withdraw while on financial aid may have to repay any or all aid received and may owe the university money. Please check with the Financial Aid Office or the Office of Student Accounts for more details. If you live in university housing, please contact the Offices of Housing Operations and Residence Life for the housing refund policy.***

### **Dropping Course(s):**

Tuition will be refunded as follows for dropped courses during all semesters/summer terms:

- 100% of total tuition charged for the dropped course if the drop occurs by the last day to register.
- No refund for dropping of a course after the last day to register for that semester/summer term.

Note: Drop refers to dropping one or more courses while still enrolled in any other course(s) for the semester/summer term.

## **Fee Refunds or Charge Adjustments**

### **Withdrawal**

University Fees, Program Fees, and Course Fees will be refunded as follows for fall and spring semesters:

- 100% of total university fees, program fees, and course fees charged if withdrawal from all courses from the semester occurs by the last day to register for the semester.
- No adjustments to fees if withdrawal occurs thereafter.

University Fees, Program Fees, and Course Fees will be refunded as follows for summer terms:

- 100% of total university fees, program fees, and course fees charged if withdrawal from all courses from the term occurs by the last day to register for that term.
- No adjustments to fees if withdrawal occurs thereafter.

Note: Withdrawal refers to ending enrollment in all classes at JSU for the semester/summer term.

### **Dropping Course(s)**

University Fees, Program Fees, and Course Fees will be refunded as follows for all semesters:

- 100% of total university fees that are charged by the credit hour, program fees, and course fees for the dropped course if the drop occurs by the last day to register for the semester/summer term.
- No refund of fees for dropping a course after the last day to register for the semester/summer term.

# FINANCIAL AID

Jacksonville State University offers a broad program of financial aid to assist as many qualified students as possible. Since the university cannot meet the financial needs of all applicants, students are also urged to investigate outside sources of aid.

Most aid programs are based on the individual need of the applicant. Demonstrated financial need is determined by completing an independent, standardized need analysis form called the Free Application for Federal Student Aid (FAFSA) on the web at [www.fafsa.gov](http://www.fafsa.gov) (<http://www.fafsa.gov>). The JSU Title IV Code is 001020.

The FAFSA contains questions pertaining to the student's assets, income, year in college, etc. Students who are dependent on their parents, based on Federal Student Aid guidelines, must also submit information concerning parental income, assets, and other items.

Once the applicant completes the FAFSA online at [www.fafsa.gov](http://www.fafsa.gov) (<http://www.fafsa.gov>), the applicant will receive a Student Aid Report and also forwards information to the college(s) the applicant lists to receive the data. It is the student's responsibility to check his/her JSU email and MyJSU for detailed information. The Student Aid Report is used to determine eligibility for the Federal Pell Grant and other financial aid programs, as it contains the expected family contribution to the applicant's cost of attendance.

Applicants and their parents are cautioned to complete all forms honestly and accurately. Any person who knowingly makes false statements is subject to a fine or imprisonment or both under provisions of the United States Criminal Code. Applicants are also reminded that they may be asked to substantiate information they submit on the need analysis. Those selected for verification by the U.S. Department of Education must provide documentation, such as, but not limited to, IRS Tax Return Transcripts in order to receive financial aid.

Note that application for financial aid must be made for each academic year; no awards are automatically renewed from year to year. Although the university accepts applications throughout the academic year, March 1 has been established as the preference deadline for applying for most types of assistance.

Those interested in detailed information on federal financial aid should request The Student Guide by writing to:

Federal Student Aid Information Center  
P.O. Box 84  
Washington DC 20044

Additional information may also be secured from the university's Financial Aid Office, or online at [www.studentaid.gov](http://www.studentaid.gov) (<http://www.studentaid.gov>).

Note that information provided herein is of a general nature and is not intended to explain in detail all financial aid programs. Programs described herein are subject to Federal, State, and institutional guidelines and are subject to change without notice.

Students who apply for federal assistance are required to use their Social Security number for identification purposes. The U.S. Department of Education's legal right to require the use of Social Security numbers for eligibility for the Title IV programs is based on Section 484(a)(4)(B) of the Higher Education Act of 1965, as amended. Complete information on

usage of your Social Security number is located in the Free Application for Federal Student Aid.

Following is a brief description of the different assistance programs:

## Grants

Grants are based on need and do not have to be repaid. Students from low and lower middle income families may qualify for a grant.

### Federal Pell Grant

The Federal Pell Grant is an entitlement program for undergraduate students who have not earned their first baccalaureate degree.

To apply, submit the FAFSA as soon as possible after the FAFSA opens on the web and list Jacksonville State University (Code 001020) to receive the report. Also submit any other documentation that is required to the Financial Aid Office, preferably by March 1.

### Federal Supplemental Educational Opportunity Grant (FSEOG)

Students who are Pell eligible and who have the greatest demonstrated financial need are given first consideration for this grant. It is restricted to students who have not received their first baccalaureate degree.

To apply, submit the FAFSA as soon as possible after the FAFSA opens on the web and list Jacksonville State University (Code 001020) to receive the report. Also submit any other documentation that is required to the Financial Aid Office, preferably by March 1. SEOG funding is limited.

### Alabama Student Assistance Program (ASAP)

Undergraduate students who have not earned their first baccalaureate degree and who are residents of Alabama are eligible to apply for this grant. The grant is restricted to Pell eligible students with the greatest demonstrated financial need. To apply, submit the FAFSA as soon as possible after the FAFSA opens on the web and list Jacksonville State University (Code 001020) to receive the report. Also submit any other documentation that is required to the Financial Aid Office, preferably by March 1. Funding for this grant is limited.

### State Grants from Other Agencies

Several other states offer grants for their residents who attend college in other states. Students residing outside Alabama should contact their state grant educational agencies for information on these grants.

## Loans

### The William D. Ford Federal Direct Loan Program (Direct Loan)

JSU participates in the Federal Direct Loan Program. Repayment begins six months after the student's enrollment drops below half-time status.

There are three types of Federal Direct Student Loans: Subsidized, Unsubsidized and Parent Loan for Undergraduate Students (PLUS).

### Federal Direct Subsidized Student Loan

A subsidized loan is a need-based loan. Borrowers who receive this type of loan are not required to pay the interest while he/she is enrolled at least half-time. Note: Graduate Students are not eligible for subsidized loans per federal regulations.

## Federal Direct Unsubsidized Student Loan

An unsubsidized loan is a non-need-based loan. Borrowers who receive this loan must either pay the interest while enrolled or have the interest capitalized for repayment at a later date and be enrolled at least half time.

## Parent Loan for Undergraduate Students (PLUS)

A PLUS loan is a non-need-based loan. Repayment of principal and interest begins 60 days after the loan has been disbursed. Parents interested in obtaining this loan must follow the PLUS instructions to apply from the Financial Aid Office. Students interested in receiving a PLUS loan only must first complete the FAFSA form. A separate application is required by the student's parent for the PLUS loan and must be completed online at [www.studentloans.gov](http://www.studentloans.gov).

To apply for a subsidized or unsubsidized loan, submit a FAFSA, along with any other documentation that is required, to the Financial Aid Office. The Financial Aid Office will notify applicants of their eligibility.

More information regarding direct loans may be located at [www.jsu.edu/finaid](http://www.jsu.edu/finaid) (<http://www.jsu.edu/finaid/>), select types of financial aid, select loans.

### Annual Loan Limits

Annual loan limits for the Federal Direct Student Loan Program for dependent students are:

- Freshmen, \$5,500; Sophomores, \$6,500; Juniors and Seniors, \$7,500.

Annual loan limits for the Federal Direct Student Loan Program for independent students are:

- Freshmen, \$9,500; Sophomores, \$10,500; Juniors and Seniors, \$12,500; and Graduate students, \$20,500.
- Parents may borrow up to the cost of education on the PLUS program.
- The aggregate loan limit for dependent students is \$31,000.
- The aggregate loan limit for independent students is \$57,500.
- The aggregate loan limit for Graduate + Undergraduate students is \$138,500.

Graduate students are not eligible for subsidized loans, but may borrow up to the cost of attendance, less other aid, from the Graduate PLUS loan program.

*Note that undergraduate students must be enrolled for at least six (6) financial aid eligible undergraduate hours to be considered eligible to borrow a student loan.*

Information on additional types of aid may be located at [www.jsu.edu/finaid](http://www.jsu.edu/finaid) (<http://www.jsu.edu/finaid/>), click Types of Aid.

## Campus Employment

Many students work part-time while attending college. By working, students are able to contribute to their educational expenses and, at the same time, gain valuable experience.

### Cooperative Education

Students interested in Cooperative Education (<http://www.jsu.edu/careerservices/>) must complete a co-op application (<http://www.jsu.edu/careerservices/coop-internships/>) online or in the Office of Career Services, 107 Kennamer Hall. Cooperative Education is designed to provide the student with valuable, paid work experience related to their

major field of study while earning a degree. As part of this program, employers provide the opportunity for the student to build on classroom skills and knowledge while working.

### JLink

Students have access to full-time, part-time, internship & co-op job postings in JLink. To access this site and its jobs, simply visit: <https://jsu-csm.symplicity.com>, select Students/Alum, and Sign Up! Career Services advertises all employment opportunities in this secure website, to include off campus positions, such as: co-op, internship, part-time, and full-time positions.

### Federal Work-Study

The Federal Work-Study Program is administered through funds provided by the Federal government and Jacksonville State University. Eligible students work an average of 15- 20 hours per week and earn at least the minimum wage.

To apply, submit the FAFSA, preferably before March 15, and list Jacksonville State University (Code 001020). It is the student's responsibility to find his/her position once he/she has received notice of eligibility. Funds for this program are limited and a limited number of FWSP community service opportunities are available through the Financial Aid Office. JSU positions may be listed on [www.jsu.edu/hr/](http://www.jsu.edu/hr/) - click Job Opportunities.

### University Student Employee

Students who do not qualify for Work-Study may be eligible to work on the university Student Employee Program. Students interested in this program should contact individual departments for possible job placement or check the job opportunities link (<http://www.jsu.edu/hr/careers-at-jsu/>) through the Department of Human Resources. This program is not based on financial need.

### Off-Campus Employment

Students desiring to find part-time work in the local area must visit Career Services (<http://www.jsu.edu/careerservices/>) for current job listings.

## Scholarships

Jacksonville State University offers various scholarships for entering freshmen, transfer students, graduate students as well as returning students. Academic scholarships are given consideration to entering freshmen based on the receipt of official transcript and test scores. Most scholarships are based on the applicant's academic or extracurricular record, while some are based on demonstrated financial need. Those requesting scholarships based on need should also submit a Free Application for Federal Student Aid (FAFSA). The quickest way to apply for FAFSA is online at [www.fafsa.gov](http://www.fafsa.gov) (<http://www.fafsa.gov>). Consult our Scholarship Listing (<http://www.jsu.edu/finaid/scholarships/>) for information pertaining to individual requirements and/or restrictions of scholarships offered. Scholarship offers are subject to applicant being admitted to the University and available funding. The scholarship application period is September 1 and the deadline is March 1. An application is required for all scholarships.

### In-State Scholarship Tuition

Full-time undergraduate students, who are receiving a Jacksonville State University (JSU) funded scholarship based on merit, ability or performance, will be changed from the out-of-state tuition status to

in-state tuition once the In State Tuition Waiver ([http://www.jsu.edu/registrar/student\\_forms.html](http://www.jsu.edu/registrar/student_forms.html)) has been verified.

## Leadership Scholarships

Leadership Scholarships are awarded to students based on each applicant's participation in high school activities, community service, and academic record. February 1 is the absolute deadline to apply. Leadership Scholarships are for up to four years for students entering JSU Fall 2017 and after.

## Presidential Transfer Scholarship

JSU offers a Presidential Transfer Scholarship to students in the graduating class from Alabama community colleges. The minimum requirement is a 3.00 GPA as recalculated by JSU and posted to the student's transcript.

## Athletic and Music Scholarships

Full and partial scholarships are offered for participants in the university's varsity athletic programs. Contact individual head coaches of these sports for more information, or the Athletic Office at (256) 782-5368.

Full and partial tuition scholarships are offered by the university's band/music department. For more information, contact the Department of Music at (256) 782-5559.

## Veterans Benefits

Service members, Veterans, and Dependents may be eligible for educational assistance through a variety of programs. Additional information can be found at <http://www.jsu.edu/veterans/index.html> (<http://www.jsu.edu/veterans/>). For students receiving VA education benefits, any complaint against the school should be routed through the VA GI Bill Feedback System by going to the following link: <http://www.benefits.va.gov/GIBILL/Feedback.asp>. The VA will then follow up through the appropriate channels to investigate the complaint and resolve it satisfactorily.

## Vocational Rehabilitation Assistance

Alabama residents who have disabilities may be eligible for assistance through the Vocational Rehabilitation Service. Alabama residents needing more information should contact this agency at:

2127 East South Blvd.  
Montgomery, AL 36199  
Telephone: 1-800-441-7607

In other states offering this assistance, students should contact the agency in their state.

## Prepaid Affordable College Tuition (PACT) Program

PACT is a state program through which contracts are purchased to pay four years of undergraduate tuition and qualified fees at public institutions. The Alabama PACT administrator can be contacted at 1-800-ALAPACT (252-7228). Age limits apply to students enrolled in the program. A copy of the PACT eligibility letter must be provided to the JSU Office of Student Accounts during the enrollment period – Fax (256) 782-8132. In other states offering this assistance, students should contact the agency in their state.

## ROTC

The Army offers ROTC scholarships on a competitive basis for select students who are strongly motivated towards service in the United States Army and who meet all application prerequisites. Four-year scholarships

are available to entering freshmen who apply as seniors in high school. Two- and three-year scholarships are awarded to outstanding students on campus. Recipients of Army ROTC scholarships incur a contractual obligation with the United States government and must meet all Army ROTC basic and advanced course requirements for commissioning. Scholarship students who complete the Army ROTC course of instruction are commissioned as second lieutenants in the active Army, Army Reserve or Army National Guard.

These scholarships provide tuition and books up to a maximum limit. Additionally, scholarship recipients also receive a monthly stipend for a maximum of ten months of each academic year. Recipients are also required to attend a five-week advanced camp, usually during the summer after their junior year, during which time they receive pay and travel expenses.

For those Army ROTC scholarship recipients coming to JSU for the first time, competitive scholarship supplements are available. Additionally, Jacksonville State University also offers two competitive scholarships for nursing students who are willing to enter and complete the ROTC program. The nursing scholarship includes tuition for the five semesters of clinicals. Contact the Professor of Military Science for specific details on these and all other Army ROTC scholarship opportunities.

## Satisfactory Academic Progress Policy

Federal regulations require students to be making satisfactory academic progress toward graduation while receiving financial aid. Satisfactory academic progress includes both qualitative, quantitative, and pace and rate of progression criteria. Jacksonville State University reserves the right to monitor satisfactory academic progress periodically throughout the calendar year. Please go to [www.jsu.edu/financial](http://www.jsu.edu/financial) (<http://www.jsu.edu/financial/>), select financial aid forms, select satisfactory academic progress policy for the academic year that you are attending to view the current policy.

## Awarding, Acceptance and Payment of Financial Aid

Students who are determined to be eligible for Federal Pell Grants, Federal Supplemental Grants, Federal Direct Loans, (Alabama or other state grants), Federal Work-Study and/or other Federal financial aid should receive an instruction letter via JSU email for document requests and offers of financial aid. Once the offer of financial aid has been accepted on MyJSU, all assistance (with the exception of Federal Work-Study) and scholarships awarded by the university may be credited to the student's account. A check may be sent to the student's campus mailbox or electronically deposited in the student's bank account for any remaining balance.

Students may use scheduled financial aid (with the exception of Federal Work-Study) to confirm classes and/or university housing costs if their assistance has been processed by the required payment dates. Scheduled financial aid may be viewed on MyJSU. More detailed information on paying confirmation costs is located on the Office of Student Accounts website, [www.jsu.edu/Bursar](http://www.jsu.edu/Bursar) (<http://www.jsu.edu/Bursar/>).

## Enrollment Requirements

All financial aid commitments are contingent upon actual enrollment at the university. Most programs require at least half-time status (six hours) for eligibility while the Federal Pell Grant Program requires full-time (12 hours) for maximum benefits during the regular terms. Six hours

are considered half-time during the Summer term. Questions pertaining to individual program requirements for maximum benefits should be addressed to the Financial Aid Office.

Federal financial assistance is available only to students who are enrolled in a degree or certificate seeking financial aid eligible program. Those accepted into the non-traditional undergraduate admission category (students who are allowed to earn up to 15 semester hours prior to fulfilling regular admission) are therefore ineligible until such time as admissions requirements are fulfilled. Other categories of students who are ineligible include those accepted as transient, special, or the accelerated high school program. Federal/State Financial Aid Regulations and the Federal Taxpayer Relief Act of 1997 require those students seeking assistance use their Social Security numbers in applying for aid.

Students who withdraw, or stop completing academic related activity, may have to repay all or a portion of assistance disbursed for that term. Students who receive a full Federal Pell Grant and then drop to less than 12 hours are reminded that they have used a full semester's entitlement of the grant. Complete information on Return of Title IV Funds is located on the web at [www.jsu.edu/finaid](http://www.jsu.edu/finaid) (<http://www.jsu.edu/finaid/>).

## Cancellation of Financial Aid

Students scheduled to receive financial aid who do not plan to attend a term for which they have pre-registered must notify both the Financial Aid Office and the Registrar's Office prior to the first day of classes to cancel their pre-registration and financial aid. **Students who fail to do this will be enrolled in classes and receive academic and financial penalty.**

## Aid During the Summer Term (May, June, July)

Students who attend during the summer term may qualify for financial assistance if they have remaining eligibility. Federal Pell Grants may be available for students who meet federal requirements. Supplemental Educational Opportunity Grants and Alabama State Grants are generally not available. Most assistance is in the form of Federal Direct Loans for students who have remaining eligibility (see annual loan limits).

While most programs require at least half-time (six hours) for eligibility, short terms are combined into one for eligibility purposes. Because of the brevity of these terms, students are urged to register for all the sessions they plan to attend. Students must have a completed FAFSA, other required documentation and register for classes.

## Nondiscrimination

All financial aid is awarded without regard to age, sex, race, religion, physical or mental disability, or national origin. Most financial aid is available only to citizens, nationals, or permanent residents of the United States. The university does provide scholarships to foreign students accepted to its International House Program.

## Some Aid Subject to IRS Laws

Some scholarships and fellowship grants are subject to being reported as income on Federal income tax returns. It is each student's responsibility to report such assistance in accordance with regulations established by the Internal Revenue Service.

## Tax Relief Act of 1997

The Taxpayer Relief Act of 1997 allows qualified students and/or parents to receive benefits when filing federal income tax returns for certain educational expenses. Taxpayers who are interested in this new legislation, which includes the Hope Scholarship Tax Credit for freshmen and sophomores and the Lifetime Learning Tax Credit, should contact their tax preparers. There are other provisions for interest paid on educational loans. The university does not provide tax advice and makes no representation on the new tax law.

## Institutional and Financial Assistance Information for Students

Federal regulations require educational institutions to disclose certain information to enrolled students, prospective students, parents, and employees. This information includes:

- Family Education Rights and Privacy Act
- deferment procedures for students receiving the FFEL/Direct Loans for Peace Corps or volunteer services
- financial assistance programs
- general institutional information (such as curriculum and costs)
- graduation rates
- campus security report
- drug free workplace policy
- athletic program participation rates
- financial support data

Detailed information on these items is located on the Jacksonville State University website ([www.jsu.edu](http://www.jsu.edu) (<http://www.jsu.edu>)) or at other locations described on the website.

# OFFICES OF HOUSING OPERATIONS AND RESIDENCE LIFE

The Offices of Housing Operations and Residence Life provide a variety of living options. There are traditional residence halls and apartments that enhance a community environment.

The Offices of Housing Operations and Residence Life operate and maintain eight residence halls and over 700 apartments. To be eligible to live in university housing a student must be admitted to Jacksonville State University in good standing and enrolled as a student. The student will be required to satisfy these eligibility standards throughout the academic year and to inform the Offices of Housing Operations and Residence Life of any changes in their status that may affect their eligibility.

Students must apply online at [www.jsu.edu/housing/apply.html](http://www.jsu.edu/housing/apply.html) (<http://www.jsu.edu/housing/apply.html>) using their MyJSU username and password. A nonrefundable application fee of \$200 is required at the time of submission. The priority deadline for applications is May 1. Room assignments are made based on the date on which applications are received; therefore, space may become limited before the May 1 priority deadline.

If students have a roommate preference, they must indicate their preference on the housing application/lease agreement. Roommate requests must be mutually requested and must include the correct student number of each roommate. Both roommate applications/lease agreements must be submitted by May 1 for the request to be considered. Both roommates must also select the same living options in the same order of preference. Lease rates are subject to change pending approval from the Board of Trustees of Jacksonville State University. The lease agreement is a legally binding document for the full academic year. Students are financially responsible for all room charges for the fall and spring semesters.

An assigned space must be claimed by the end of the first day of move in or the space will be reassigned.

Students seeking to cancel their lease agreement should visit [www.jsu.edu/housing](http://www.jsu.edu/housing) (<http://www.jsu.edu/housing/>) for more information regarding deadlines and monetary penalties.

First-year students are required to live on campus. A full list of exemptions can be found online at [www.jsu.edu/housing/exemptions.html](http://www.jsu.edu/housing/exemptions.html) (<http://www.jsu.edu/housing/>).<sup>1</sup>

<sup>1</sup> Students who meet exemptions may reside on campus if desired.

For more information regarding rates and or facilities, please visit [www.jsu.edu/housing](http://www.jsu.edu/housing) (<http://www.jsu.edu/housing/>).

## Dining Services

The meal plan account provides for prepaid meals at Hopper Dining Hall and the Gamecock Diner in any combination of the all-you-care-to-eat meals at breakfast, brunch, lunch or dinner. The plan also provides a declining balance account of flex dollars to be used at campus locations,

such as Hopper Dining Hall, Gamecock Diner, Chick-fil-A, WOW Wingery, Jazzman's Café, Freshen's, and Mein Bowl.

### Resident Dining Meal Plan Options

Students living on campus in Crow, Curtiss, Daugette, Dixon, Fitzpatrick, Logan, Patterson, Sparkman, or Meehan Hall, the JSU account will be billed \$1650 for the plan and one would need to choose from the following options:

#### Unlimited Meals with \$50 Flex

This plan provides unlimited access for the cardholder to Hopper Dining Hall. It includes \$50 in flexible spending over the semester at the retail locations.

#### 14 Meals Per Week with \$125 Flex

This plan provides any 14 meals throughout the week at Hopper Dining Hall or Gamecock Diner to be used by the cardholder. It also includes \$125 in flexible spending over the semester at the retail locations.

#### 10 Meals Per Week with \$400 Flex

This plan provides the cardholder with any ten meals throughout the week at Hopper Dining Hall or Gamecock Diner. It also includes \$400 in flexible spending over the semester at the retail locations.

#### Block 80 with \$800 Flex

This plan provides any 80 meals throughout the semester at Hopper Dining Hall or Gamecock Diner to be used by the cardholder, plus \$800 in flexible spending over the semester at the retail outlets.

### Non-Resident Commuter Dining Options

Commuter students who would like the convenience and ease of dining on campus have several options available. Commuters can choose from the above plans that are available to campus residents or choose from the additional plans listed below.

#### Block 50 with \$100 Flex..... \$550.00

This plan provides the cardholder with 50 meals over the semester at Hopper Dining Hall or Gamecock Diner, plus \$100 in flexible spending over the semester at the retail locations.

### Commuter Flex Plan

This is a prepaid plan that works just like a debit card by using the student ID. The commuter must purchase a minimum of \$110 or anything over this amount. It provides flexible spending over the semester at Hopper Dining Hall, Gamecock Diner and the retail locations. At Hopper Dining Hall and Gamecock Diner, the cardholder pays \$7.73 for breakfast, \$9.09 for lunch, and \$9.09 for dinner. At the retail locations, the cardholder pays the cost per item selected.

### Sample Flex Plans:

Flex Plan	Total
\$100 plus 10% tax	\$110.00
\$200 plus 10% tax	\$220.00
\$300 plus 10% tax	\$330.00
\$400 plus 10% tax	\$440.00
\$500 plus 10% tax	\$550.00

For more information on the dining programs, go to [dining.jsu.edu](http://dining.jsu.edu) (<https://jsudining.sodexomyway.com/>) or call 256-782-7242.

# ACADEMIC REGULATIONS

## General Requirements

To be considered a candidate for graduation a student must fulfill the specific requirements for a particular degree as set forth in the following pages:

1. Complete 120-132 semester hours, determined by your program of study, with a minimum "C" average 2.00 GPA. Earn a minimum of fifty percent (50%) of those semester hours from a four-year college or university, and at least twenty-five percent (25%) of semester hours required for degree must be resident work at JSU. Thirty-six (36) semester hours of credits presented for a degree must be in courses numbered 300 or above. No more than 12 semester hours in correspondence work may be counted toward a degree.
2. Earn a minimum "C" or better in each of his/her major and minor courses. Hours earned in the major can not be used in the minor. Hours earned in the minor can not be used in the major. Students assessed into upper division business courses must maintain a 2.00 GPA in the business core (courses are identified in the Business and Industry section) overall and the business core courses in residence.
3. No matter what advanced standing candidates may have been admitted under, or what credits they may have transferred, they must earn credit at JSU for at least 12 hours of advanced work (courses numbered 300 or above) in their major subject or teaching field area and six hours in advanced work (courses numbered 300 or above) in his/her minor subject.

For education students, one-third of the total hours in each teaching field(s) must be advanced work. In addition, a minimum of 12 hours of advanced level courses in each single comprehensive teaching field, or a minimum of nine hours of advanced level courses in each dual-teaching field must have been taken at JSU.

4. Students are expected to complete the general subject requirements for graduation during the freshman and sophomore years, in so far as this is possible. In case of deficiencies, students must register for courses which will remove such deficiencies before they will be permitted to elect other courses.
5. A minor, in addition to a major, is required for all degrees with the exception of majors in biology, chemistry, geography, mathematics, integrated studies, nursing, accounting, finance, management, marketing, applied manufacturing engineering, applied electronics engineering, industrial leadership, occupational safety and health management, social work, family and consumer sciences, the B.S. degree when the major is economics, and the B.F.A. degree in art. The B.F.A. degree and the B.S. in family and consumer sciences require an area of concentration in lieu of a minor. However, degrees for those seeking teacher certification require teaching field(s) in lieu of majors/minors.
6. Students entering with advanced standing or earning credit from another institution after initial enrollment at JSU must earn a minimum "C" average, 2.00 GPA, at this institution.
7. Students select their major and minor subjects before the end of their sophomore year, or if a junior or senior transferring from another college, before they register for any work leading to a degree from this institution. The choice of their major and minor fields must be made only after consultation with the professors/advisors in these fields and must have the approval of both the major and minor professors/advisors. Note: Students pursuing a degree in education will need to select their teaching field(s) by the end of their freshman year. Note:

Candidates, including transfers, must submit minimum requirements and a portfolio for review and approval by the Department of Art prior to assessment into the B.F.A. degree program.

8. Before each registration, students confer with their advisor and secure approval of the choice of courses for the major and minor(s) or electives, and of sequences of such courses.
9. Successfully complete the English Competency Examination, EPP, and STU 101 (See Graduation Tests Requirements section).
10. Apply to the appropriate dean no later than the last day to add classes in the semester in which you will graduate.

## Catalog Requirements and Time Limits

Degree requirements and other university regulations are established by the catalog current at the time of initial enrollment. Students may complete requirements under the catalog current at that time or any later catalog during his/her JSU enrollment provided the undergraduate degree is completed within twelve (12) years from initial collegiate enrollment. Students not completing the undergraduate degree within twelve (12) years from initial enrollment must update to a more current catalog as negotiated with the appropriate school dean. Students may not combine components of different catalogs. Once updated, prior catalogs can not be used.

Students tracking toward transfer enrollment may follow the JSU catalog in effect at the time of initial collegiate enrollment. However, students should be advised that the twelve (12) year catalog entitlement would then start upon initial collegiate enrollment rather than initial enrollment with Jacksonville State University.

## Additional Bachelor's Degree

Students seeking to earn additional bachelor's degrees must complete a minimum of 32 semester hours in residence over and above the previously earned bachelor's degree and must meet all academic requirements for the degree sought as stipulated in the undergraduate catalog at the time of enrollment in the additional degree program. Hours earned in the major and minor from the first degree may not be used for the second degree. Students may not be awarded multiple degrees in the same ceremony.

## Student Responsibility for Degree Requirements

It is the responsibility of each student to become familiar with degree requirements, graduation requirements, and all other aspects of satisfactory academic progress. Each student is assigned an academic advisor to assist in planning course schedules and give advice on timely graduation planning. However, the ultimate responsibility for understanding and completing degree and graduation requirements lies with the student.

## Student Load

1. Full-time status is defined as 12 hours; six semester hours is half-time. Students on academic probation must limit their course work during each semester to no more than 13 semester hours.
2. Students concurrently enrolled at Jacksonville State University and any other institution may take a maximum of 18 semester hours or up to 21 semester hours with special approval during the semester.
3. Students may be enrolled at more than one college/university at the same time. Students enrolled at both Jacksonville State and another college/university are subject to the academic standards and guidelines of Jacksonville State University

Questions concerning student load may be addressed to the Registrar's Office, Room 113 Bibb Graves Hall, Telephone: 256-782-5400, or registrar@jsu.edu.

## Classification of Students

Hours	Classification
0-31	Freshman
32-63	Sophomore
64-95	Junior
96+	Senior

## Registration

All students must register before being admitted to classes. The appropriate academic dean and other members of the faculty advise the students in regard to their program of studies. It is urgent that a student register during the days set apart for that purpose. Any student whose credits are being withheld is not eligible for registration. The institution reserves the right to withdraw any course and close or divide sections whenever it is deemed appropriate.

## Late Entrance

Students registering on the first day of class through the last day to add will be charged a late registration fee. Students registering after the last day to add will be charged a reinstatement fee. Students will be responsible for class work from the first class meeting and incur normal absences for classes missed.

## Auditing Courses

Auditors must make application for admission and pay the \$35.00 non-refundable application fee if they are not already regularly enrolled students. The cost is \$25.00 per semester hour. A person may audit courses with the written approval of the instructor of the subject, provided there is space available in the class desired. Registration must be processed in the Registrar's Office. Auditors are listed on the class roll but do not participate in classroom discussions, take tests or final examinations, or make reports, and will receive no credit or grades.

Once a student registers in a course as an auditor, he/she may not change his/her status in that course to credit basis.

## Withdrawals

Students may withdraw without any academic penalty until the 'Last Day to Withdraw Without Academic Penalty.' After this date if the student is passing, the permanent record will reflect the notation "withdrew passing," which indicates good standing and the privilege of readmission. If a student is failing, the permanent record will show the notation "withdrew failing." This is equivalent to a grade of "F" for calculation of grade point average. Refer to the academic calendar for deadline dates for withdrawals without penalty. No withdrawals will be processed after the 'Last Day to Withdraw;' see the academic calendar for dates. Students must notify the Registrar's Office by completing the withdrawal form (<http://www.jsu.edu/registrar/term-or-part-of-term-withdrawal.html>).

*Students who withdraw during a semester may not petition for reinstatement during the semester in which the withdrawal occurred.*

Any student who has registered, but does not wish to attend, must notify the Registrar's Office by completing the withdrawal form (<http://www.jsu.edu/registrar/term-or-part-of-term-withdrawal.html>) by the last

day to register for the semester to receive a full refund of tuition charged.

Failure to assure this notification may result in academic and financial penalty. Please contact housing for residence hall refund policy. Students who are scheduled to receive financial aid must also notify the Office of Financial Aid in writing (fax or mail) or JSU email by the last day to register for the semester to cancel their financial aid. Students who fail to notify the Office of Financial Aid will be subject to financial penalty.

## Medical/Compassionate Withdrawal

Medical Withdrawals are only considered for serious physical or mental conditions that prevent a student from continuing or completing coursework, when it is past the last date to withdraw without academic penalty, and incompletes or other arrangements with instructors are not feasible. A Medical Withdrawal is voluntary. Eligibility for Medical Withdrawal is limited to students who have not taken final exams or otherwise completed course work for a final grade.

### *Current Term*

Students who wish to withdraw from courses prior to the last day to withdraw without academic penalty should follow the normal Withdrawal process through the Registrar's Office. Medical Withdrawal is available to students who are withdrawing from all coursework. Selective class withdrawals are not permissible through a Medical Withdrawal.

To request a Medical Withdrawal for the Current Term, the student must complete the Medical/Compassionate Withdrawal Request Form available on the Student Affairs website or via hard copy at 102 Bibb Graves Hall. The student must also have a licensed health care provider complete the Recommendation for Medical Withdrawal Form available to download on the Student Affairs website or via hard copy at 102 Bibb Graves Hall.

Deadline to apply for Current Term Withdrawal: The last day of classes for the current term

### *Retroactive Term*

A student who left the university because of a serious medical condition without official withdrawal during the term of departure may apply for a retroactive withdrawal. The student must complete the Medical/Compassionate Withdrawal Request Form available on the Student Affairs website or via hard copy at 102 Bibb Graves Hall. The student must also have a licensed health care provider complete the Recommendation for Medical Withdrawal Form available to download on the Student Affairs website or via hard copy at 102 Bibb Graves Hall.

A student must request a retroactive withdrawal within 60 days after the end of the academic term for which the medical withdrawal is considered.

### *Compassionate Withdrawal*

A student may request a compassionate withdrawal when extraordinary personal circumstances, not related to the student's personal physical or mental health, prevent the student from continuing or completing course work, when it is past the last date to withdraw without academic penalty, and incompletes or other arrangements with instructors are not feasible. A Compassionate Withdrawal is voluntary. Eligibility for Compassionate Withdrawal is limited to students who have not taken final exams or otherwise completed course work for a final grade. Examples of reasons a student might need to apply for a Compassionate Withdrawal include care for a seriously ill family member, death of an immediate family



member, extreme financial hardship, traumatic experience or other significant personal hardship.

#### *Current Term*

Students who wish to withdraw from courses prior to the last day to withdraw without academic penalty should follow the normal Withdrawal process through the Registrar's Office. Compassionate Withdrawal is available to students who are withdrawing from all coursework. Selective class withdrawals are not permissible through a Compassionate Withdrawal.

To request a Compassionate Withdrawal for the Current Term, the student must complete the Medical/Compassionate Withdrawal Request Form available on the Student Affairs website or via hard copy in 102 Bibb Graves Hall. The student must also provide relevant documentation pertinent to the student's extraordinary circumstance. Examples of relevant documentation include a completed Recommendation for Medical Withdrawal Form by a licensed health care professional (e.g., for family member), obituaries or funeral information, proof of family financial situation, police reports, airline tickets, media reports, legal documents, etc...

Deadline to apply for Current Term Withdrawal: The last day of classes for the current term

#### *Retroactive Term*

A student who left the university because of an extraordinary circumstance without official withdrawal during the term of departure may apply for a retroactive withdrawal. To request a Compassionate Withdrawal for a Retroactive Term, the student must complete the Medical/Compassionate Withdrawal Request Form on the Student Affairs website or via hard copy at 102 Bibb Graves Hall. The student must also provide relevant documentation pertinent to the student's extraordinary circumstance. Examples of relevant documentation include a completed Recommendation for Medical Withdrawal Form by a licensed health care professional (e.g., for family member), obituaries or funeral information, proof of family financial situation, police reports, airline tickets, media reports, legal documents, etc...

A student must request a retroactive withdrawal within 60 days after the end of the academic term for which the Compassionate Withdrawal is considered.

Other steps to complete when applying for a Medical and/or Compassionate Withdrawal

1. University Housing
  - a. Properly check out of the Residence Hall to avoid fees and charges
2. Dining Plan
  - a. Contact Dining Services to cancel the meal plan
3. Student Accounts
  - a. Medical and/or Compassionate Withdrawals cannot be approved until any balance has been paid in full

#### *Financial Implications of a Medical and/or Compassionate Withdrawal*

#### **Financial Aid**

Students who receive Federal and/or State Student Aid, Scholarships and other types of financial support should consult with the Financial

Aid Office and Scholarship Office for an assessment of the impact of a withdrawal PRIOR to initiating the request for a medical withdrawal.

All Students receiving financial aid must meet minimum standards of financial aid satisfactory academic progress, including completion of at least 67% of credits attempted. This requirement applies to all courses attempted, even if they are withdrawn due to medical and/or compassionate reasons. Additionally, withdrawal from courses prior to the end of a term may result in immediate repayment of financial aid funds to Jacksonville State University and/or the U.S. Department of Education.

#### **Veterans or Military Educational Benefits**

If a student uses either a Veteran or Military Educational Benefit through the State VA, Federal VA, or branch of service, please be aware that pursuing a Medical and/or Compassionate Withdrawal could have adverse financial effects. Please consult with the Office of Veteran Services prior to submitting the Medical and/or Compassionate Withdrawal to see exactly how the Medical and/or Compassionate Withdrawal will affect your benefits.

#### **Tuition Refunds for Current Term Medical and Compassionate Withdrawal**

Tuition refunds are made in accordance with the university refund schedule. Refunds will not be given for Medical and/or Compassionate Withdrawals after the dates indicated in the refund schedule.

#### **Tuition Refunds for Retroactive Term Medical and/or Compassionate Withdrawal**

No tuition or fees will be refunded for a retroactive withdrawal.

#### **University Housing**

Refunds for a current term Medical and/or Compassionate Withdrawal will be prorated based on the last date of attendance. There are no refunds of University Housing fees for a Retroactive Medical and/or Compassionate Withdrawal.

#### **Dining Plan**

Refunds for a current term Medical and/or Compassionate Withdrawal will be prorated based on the last date of attendance. There are no refunds of Dining Plan fees for a Retroactive Medical and/or Compassionate Withdrawal.

#### *Return to the University Following a Medical Withdrawal*

When a Medical Withdrawal is approved, Vice President for Student Affairs will place a medical clearance hold on the student's record. A student seeking a return to campus must have the treating health care professional complete a Recommendation for Return to Campus Form available for download on the Student Affairs website or via hard copy in 102 Bibb Graves Hall. Once the Recommendation for Return to Campus Form has been reviewed and approved, the student's medical clearance hold will be removed.

#### *Denied Requests*

If a student disagrees with a decision rendered by the Vice President for Student Affairs regarding a Medical and/or Compassionate Withdrawal from JSU, the student can appeal in writing to the Medical/Compassionate Withdrawal Appeals Committee, 102 Bibb Graves Hall, within 72 hours of written notice of denial. The Medical/Compassionate Withdrawal Appeals Committee will review the decision by the Vice President for Student Affairs, documentation submitted by the student, and has authority to request additional information as necessary. The

Medical/Compassionate Withdrawal Appeals Committee will render a decision within 10 days of receipt of appeal.

The Medical/Compassionate Withdrawal Appeals Committee decision is final.

The Medical and/or Compassionate Withdrawal process is a fully automated workflow that begins with the Vice President for Student Affairs Office and follows with review by the following offices:

1. Financial Aid
2. Scholarships (if applicable)
3. University Housing (if applicable)
4. Veteran Services (if applicable)
5. Student Accounts
6. Registrar
7. Vice President for Student Affairs

Once the approved medical/compassionate withdrawal has been processed, it will be forwarded to the VPSA. A written notice will be sent to the student via email.

Medical and Compassionate Withdrawal requests and supporting documents are retained and filed separately from the student's other educational records.

## Military Withdrawal

A Military Withdrawal is necessary when service members receive official military orders requiring military service such as deployments or extended mobilizations. When this official military service affects the ability of the service member to be successful in their classes they can file for a Military Withdrawal.

Service members that are considering this Military Withdrawal should consult with the Office of Veteran Services, Student Financial Services, and Residence Life (if applicable) before submitting the Military Withdrawal to see what financial repercussions, if any, the student will face. *Military dependents negatively affected by deployments or extended mobilizations should use the Medical/Compassionate Withdrawal process through the Office of the Vice President for Student Affairs.*

If approved, the service member will be subject to all JSU refund and academic penalty policies. If you have questions about Military Withdrawals or registering at JSU in the future, please contact the Office of Veteran Services at 256-782-8838 or veterans@jsu.edu.

Students receiving federal financial aid should meet with Office of Financial Aid to determine the effect that the withdrawal will have on financial aid.

## Grading System

The following represents the grading system used by the university and the basis upon which quality points are earned. The grade point average (GPA) may be determined by dividing the quality points earned by the GPA hours. The GPA is not rounded. The GPA is truncated to two places past the decimal for reporting purposes.

Letter	GPA
A	Four Quality Points Per Hour (90-100)
B	Three Quality Points Per Hour (80-89)
C	Two Quality Points Per Hour (70-79)
D	One Quality Points Per Hour (60-69). This grade will not be assigned for EH 100, 101, 102, 103, 104, 348, LS 104, MS 100.
NC	No Credits (0-69). This grade assigned only in English 100, 101, 102, 103, 104, 348, LS 104, MS 100 and STU 101.
F	No Quality Points (0-59). Failing grades may not be removed from the academic record. This grade will not be assigned for EH 100, 101, 102, 103, 104, 348, LS 104, MS 100.
P	Passing. Grade given for selected courses as specified in the course descriptions in this catalog. The grade of P does not affect the GPA. The grade of F on a pass or fail course is computed as a regular F grade.
W	Withdrawn or Dropped Class, non-punitive
WF	Withdrawn Failing (counts as an F)
WP	Withdrawn Passing, non-punitive
X	Audit – no credit.
I	Incomplete – non-punitive.

The grade of "D" is considered passing. However, a "D" grade will not be allowed to count toward fulfilling required courses in the major, minor, and teaching field.

Transferred courses are accepted according to the letter grade sent by the issuing institution regardless of numerical scale on which the letter grade was based.

*Incomplete Grade* – The grade of "Incomplete" or "I" may be assigned by an instructor if extreme circumstances prevent a student from completing course requirements, and only if the student is passing the course. The "I" grade does not immediately affect a student's grade point average.

*Incompletes for graduating students:* All incompletes must be completed prior to the degree being awarded, otherwise, the grade of "I" will be converted to "F" in order for the degree GPA to be calculated.

*Completing the course requirements* – The student is responsible for arranging to complete the remaining course requirements. One calendar year is allowed for completing the work except for those students who are graduating. Grades of "I" will roll to "F" the day grades are due in each term. Students should not register for the course again. Once the student has completed all course requirements, the instructor submits a grade change to the Registrar's Office for recording. The registrar then notifies the student of the grade change. Failure to complete course requirements within one calendar year will result in a grade of "F" being assigned.

*Requesting extensions* – Before the end of one calendar year, the student must submit a written request for an extension to remove an incomplete. The instructor, department head, and dean must approve the extension before the registrar grants an extension of time.

If at any time during the process, as detailed above, the instructor is not available, the appropriate department head and/or dean will represent the instructor's interest.

## Replacement Course Policy

Students may improve their GPA by repeating courses at JSU. Only the higher grade will be counted in the institutional GPA. All attempts made at JSU will remain on the academic transcript. If students are on financial aid, they must follow federal regulations for repeated coursework. It should be noted that some programs have higher requirements for assessment into, continuation in, and graduation from the program. Therefore, the replacement course flexibility may not apply to all degree programs. Additionally, student athletes will be governed by the NCAA eligibility guidelines. This policy is effective beginning with the Spring 2017 term.

## Duplication of Courses

Credits toward graduation for any course, or part of a course, will not be granted twice. Only the highest grade will be counted in the institutional<sup>1</sup> GPA and earned hours. If a student transfers in repeated coursework from their institutions, the highest grade will be the only course grade initially evaluated. Any transfer course evaluated after the initial evaluation, in which that course has been repeated, will transfer but will not be included in the transfer GPA or hours earned. Select Jacksonville State University course numbers may be taken more than one time for credit. Any course number which may be earned for credit more than one time will be noted in the course description of the University Catalog along with the maximum times the course may be utilized for credit without being considered a duplication of credit.

<sup>1</sup> Institutional GPA is calculated from course credits earned **only** at JSU. Institutional GPA will be used to determine program GPA requirements, honors designation, and university graduation requirements.

## Midterm/Final Grades

At midterm, grades can be viewed on MyJSU. Only grades of "D" or "F" are recorded at midterm. Grades can be viewed for a limited time only. Midterm grades are reported for fall and spring semesters only. Check the academic calendar for dates.

Final grades can be viewed through MyJSU for two weeks after the term ends. Final grades are also viewable permanently on the online transcript also available on MyJSU.

## Final Grade Change

Final grades may not be changed after they have been officially submitted to the Registrar's office. Exceptions include incomplete grades (I) or in the case of miscalculation or miscommunication of the grade by the instructor. In these cases, grade changes are made online by the instructor and should be completed by midterm of the subsequent fall or spring semester.

## Grade Appeal

Students wishing to appeal a grade should always begin by meeting with the instructor of record for the course. Oftentimes, this meeting will result in a satisfactory outcome for the student and instructor. If the student and instructor are unable to resolve the discrepancy, the student may consult with the instructor's department head, and finally, the dean of the school in which the course is offered. This process must be completed by midterm of the subsequent fall or spring semester.

## Honors

High scholastic attainment in the university will be recognized in the following ways:

1. Undergraduate student carrying 12 or more GPA hours in the fall and spring semesters will be recognized as follows:
  - a. Students who obtain a 4.00 grade point average for that semester will be listed on the President's List.
  - b. Students who obtain a grade point average between 3.50 and 3.99 for that semester will be listed on the Dean's List.
2. Honors at Graduation
  - a. The designation "cum laude" will be engrossed upon the diplomas of graduating students who obtain an average of 3.50 to 3.69 quality points on institutional<sup>1</sup> GPA hours.
  - b. The designation "magna cum laude" will be engrossed on the diplomas of graduating students who maintain an average of 3.70 to 3.89 quality points on institutional<sup>1</sup> GPA hours.
  - c. The designation "summa cum laude" will be engrossed upon the diplomas of graduating students who maintain an average of 3.90 to 4.00 quality points on institutional<sup>1</sup> GPA hours.
  - d. The designation "JSU Honors Scholar" identifies those who hold the JSU Honors Scholarship, the university's top academic scholarship, and are active members of the university's Honors Program. These students must complete 30 hours or more of Honors-designated courses, 56 or more service hours, and maintain a 3.25 institutional<sup>1</sup> GPA.
  - e. The designation "Honors Program Graduate" identifies those who are active members of the university's Honors Program and who complete 24 hours or more of Honors-designated courses, maintaining a 3.25 institutional<sup>1</sup> GPA.
  - f. The designation "special honors in (the major subject)" will be engrossed upon the diplomas of graduating students who maintain a 3.50 average in the major field of study and a 3.25 institutional<sup>1</sup> GPA average.
  - g. Eligibility for Honors will be determined at the conclusion of the degree program.
  - h. The grade point average is truncated to two places past the decimal for reporting purposes and not rounded.

<sup>1</sup> Institutional GPA is calculated from course credits earned **only** at JSU. Institutional GPA will be used to determine program GPA requirements, honors designation, and university graduation requirements.

# Undergraduate Academic Standards Policy

## Academic Standing

### • *Good Academic Standing*

A student will be considered in "good academic standing" if they are eligible to take classes at Jacksonville State University and maintain a minimum 2.00 cumulative grade point average (GPA).

### • *Academic Warning*

A student will be placed on "academic warning" at the end of any term in which the cumulative GPA is less than the required 2.00 cumulative GPA.

### • *Academic Probation*

A student will be placed on "academic probation" at the end of any term following a semester on "academic warning" when the cumulative GPA is less than the required minimum 2.00 GPA. Students on "academic probation" must limit their course work during fall, spring and summer semesters to no more than thirteen (13) semester hours attempted. To avoid "academic suspension," a student must maintain a term GPA of 2.00.

### • *Academic Suspension*

A student will be placed on "academic suspension" at the end of any term following a semester of "academic probation" when the semester's term GPA is less than 2.00 or the cumulative GPA is less than the minimum cumulative GPA required. A student placed on "academic suspension" will be suspended for one semester, after which students may return to the university on "academic probation." (Note: From the last day of spring semester to the first day of fall semester counts as one semester.) Upon return, students must make a grade of "C" or better for each course or a 2.00 cumulative GPA. Students will be placed on "academic suspension" only once. Failure to maintain the required minimum cumulative GPA after "academic suspension" places the student on "academic dismissal."

No credit for the purpose of transfer may be earned from any other institution of higher education while a student is on "academic suspension."

### • *Academic Dismissal*

A student will be placed on "academic dismissal" following a semester of "academic suspension" when a suspension semester's term GPA is less than 2.00 or the required cumulative minimum 2.00 GPA has not been achieved. "Academic dismissal" is for at least one calendar year (twelve months).

No credit for the purpose of transfer may be earned from any other institution of higher education while a student is on "academic dismissal."

### • *Reinstatement*

The administration recognizes that extenuating circumstances may have precipitated a student's poor academic progress. Such circumstances are not excuses for poor academic progress, but may justify consideration for reinstatement. Students suspended or dismissed for academic reasons have the option of petitioning

for reinstatement through the Director, Integrated Studies and Academic Success. Reinstatement is for one semester only. Any student under academic suspension or dismissal has the option of petitioning for reinstatement. The reinstated student must maintain a 2.0 GPA or better during the reinstated semester. All requirements specified by the Director, Integrated Studies and Academic Success must be met. Among these are a course load of no more than the minimum full-time load, consultation with an academic advisor, and any special conditions necessary for the individual's reinstatement, e.g., specific courses, removal of incompletes, or progress reports. Students not maintaining the GPA requirements or any condition of reinstatement will be suspended or dismissed from the university. The reinstated student in an academic suspension status must remain suspended for one semester. The reinstated student placed in an academic dismissal status must remain dismissed for one calendar year (12 months). Upon reinstatement the student will be ineligible for financial aid. Students may appeal. The Satisfactory Academic Progress and Appeals information for federal financial aid at JSU is at [www.jsu.edu/finaid](http://www.jsu.edu/finaid) (<http://www.jsu.edu/finaid/>), click Forms, select the Satisfactory Progress and Appeals Policy for the year you have been reinstated.

The Director, Integrated Studies and Academic Success is responsible for maintaining an active file on each reinstated student and academic progress is monitored throughout the semester.

## Academic Forgiveness

Occasionally, during a particular semester, students encounter personal, emotional or financial circumstances so devastating that performing academically at a level approximating their usual record of achievement becomes impossible. Normally, these students realize their situations in time to take the advisable course of action and withdraw from the university. If that is not done, however, and a student's grades for the semester are decidedly below that student's normal record, the student can petition for academic forgiveness. Undergraduate Institutional GPA must be a 2.0 or higher to be eligible. There are two options for academic forgiveness:

1. All course work taken, even hours completed satisfactorily during the semester for which forgiveness is requested, will be disregarded in the grade point average and as hours earned toward graduation **or**
2. Select only specific courses from one semester to be disregarded in the grade point average and as hours earned toward graduation.

Academic forgiveness may be granted one time and is irreversible.

### Procedure

Students may petition for academic forgiveness for only one semester (any fall, spring, or summer term) already completed at the university, provided the student has a GPA of 2.00 or higher in institutional work.

Forms and details of this policy are available in the Office of the appropriate school dean. Undecided majors should obtain this form and submit the petition to the Office of the Vice Provost located in Room 201 Bibb Graves Hall.

Students on financial aid should consult with the Financial Aid Office prior to the request being processed.

After review of the petition, by the dean, the dean's designee, or the Office of the Vice Provost, the Registrar's Office will adjust the academic record and notify the student.

Once granted, academic forgiveness cannot be reversed. Students should be aware that graduate and professional schools often compute grade point average over all hours attempted when considering applicants for admission.

A petition will not be considered if the student has received a degree subsequent to the semester in question.

## Second Chance

Undergraduate students who have interrupted their college career for a period of at least two consecutive calendar years, at any point on their transcript, may apply for the second chance provision. Under this policy all course work completed at an earlier date will be eliminated from computation of the grade point average and cannot be applied toward a degree at Jacksonville State University. Such work will remain on the student's academic record, but will not be used in the computation of the grade point average for degree requirements. Some undergraduate professional programs may require inclusion of all course work for assessment into, continuation in, and graduation from the program. Students should seek advice from the appropriate school dean or designated person.

Students on financial aid should consult with the Financial Aid Office prior to the request being processed.

Students seeking second chance status will be required to follow the catalog in effect at the time of re-enrollment. Second chance status may be granted only once and is irreversible. Second chance also applies to transfer work. Students seeking to apply for second chance can obtain a form in the Registrar's Office.

## Class Size

The institution reserves the privilege of withdrawing any course in which fewer than ten students have enrolled and of closing or dividing sections whenever it is deemed that the interests of the students will be better served.

## Attendance at Classes

Specific policies on attendance may be established by individual departments and schools. These policies will be communicated to the students through the class syllabus at the beginning of the semester. Students are held responsible for attendance at all class meetings.

## Sequence of Courses

Prerequisites listed in this catalog must be observed; students should complete all work on the freshman and sophomore levels before entering advanced courses. University courses numbered 400 and qualifying for graduate classification are open only to those students classified as juniors or seniors.

## Online Education

Jacksonville State University is committed to meeting the needs of all students. With a learning-centered focus, online education at JSU enhances this capability by utilizing an ever-expanding set of instructional and technological tools to reach students who may have previously been unable to participate in higher education. With modern approaches to teaching that bring instruction to students where they are, dedicated learners from all walks of life can engage in course work while continuing with their demanding personal and employment schedules. Greater flexibility in scheduling provided by online education courses

allows JSU to serve a broad and diverse range of students by providing them with the education and tools needed to reach their goals, whether professional or personal.

JSU is dedicated to developing relevant, engaging, and high-quality courses for online distribution, and our classes meet stringent requirements to ensure the same high levels of quality and rigor as those offered on campus. A growing number of graduate and undergraduate courses, as well as full degree programs, and certificates are offered online - a listing of all online programs (<http://www.jsu.edu/online/>). Convenient to students who are unable to travel to JSU's main campus, online courses save time and travel expenses. Students may communicate with their instructors and collaborate with classmates in many and various ways such as email, instant messaging, web conferencing, discussion boards, and other methods. Depending on instructor preferences, examinations may be administered online, or through a proctor near a student's location. All students should review the following website for more information on proctoring options which may be utilized by instructors and the costs associated with those options:

[http://www.jsu.edu/online/current-students/test\\_security.html](http://www.jsu.edu/online/current-students/test_security.html)

For further information about online education, students may contact Online@JSU at (256) 782-8172 or toll free at 1-800-231-JAX1, extension 8172, email [online@jsu.edu](mailto:online@jsu.edu), or visit the Online@JSU website (<http://www.jsu.edu/online/>).

## Tests and Examinations

Students who miss examinations or announced classroom assignments for legitimate reasons may take makeups, which shall be scheduled by the instructor at a reasonable time and under reasonable conditions. No penalty will be incurred either in the nature of examinations or grading. The legitimacy of the excuse for missing the test is to be determined by the individual instructor.

No regularly announced examination or final examination may be administered for the second time to the same student.

Testing Services is available to proctor make-up examinations at the discretion of the instructor. Testing Services is located in 140 Daugette Hall.

## Candidates for Degrees

Application for degree may be submitted to the office of the appropriate dean after junior classification is attained but no later than the last day to register in the semester in which the student will graduate. Students who are unsuccessful candidates for graduation should contact their respective dean's office regarding the procedure for re-applying for another graduation. Students must have satisfactorily completed the English Competency Exam (ECE) at least one semester before applying for graduation. All graduating seniors, traditional and distance education alike, are required to take the ETS Proficiency Profile (EPP) prior to graduation - no exceptions or waivers.

## First-Year Experience Course

Students with fewer than 24 earned hours must take STU 101 First Year Experience (0). Students will achieve course objectives related to their overall adjustment to being a successful student at JSU. Topics discussed include how to:

- declare a major and develop a relationship with an academic advisor;
- understand components of MyJSU;
- know and understand JSU policies;
- participate in the summer reading program;
- learn and become active in JSU activities for students; understand and develop appropriate behavior for a college student;
- become familiar with student services;
- and acquire knowledge and skills necessary to prosper as a JSU student.

Beginning with the third attempt, and until the course has been successfully completed, a late registration fee of \$100 per semester will be charged.

First time freshmen over the age of 24 are exempt from taking STU 101 First Year Experience (0).

## Graduation Test Requirements

### ***EPP (ETS Proficiency Profile)***

The EPP is used for various studies and reports, including those to our regional accreditor, the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). The EPP assesses four core skill areas – reading, writing, math, and critical thinking.

All graduating seniors, except those who have previously earned a bachelor's degree from any regionally accredited university, are required to take the EPP prior to graduation. There is no cost to the student to take the EPP, and the student takes it online at their convenience during the semester they graduate.

Once the EPP is completed and the scores are evaluated, the student's degree evaluation will indicate if the EPP requirements have been met.

### ***ECE (English Competency Exam)***

Undergraduate students must successfully complete the university ECE. Students who have completed JSU's EH 101 and 102, or equivalent compositional courses from a regionally accredited institution, and have earned between 48 and 60 semester hours are eligible to take the examination. Students are strongly advised to complete this examination prior to or during the junior year. Students must pass the ECE at least one semester before filing an application for graduation. Students who fail the ECE must successfully remediate before retaking it; the remediation process must be completed before the semester in which the ECE is retaken. Students register for the examination online. The ECE is given once each fall, spring and summer. Online students (those taking 100% of their classes online) should contact the ECE director by email at [ece@jsu.edu](mailto:ece@jsu.edu) for online registration information.

Students who have earned a bachelor's degree from a regionally accredited institution are exempt from the ECE.

## Earning Transient Credit

JSU students who are eligible to take classes at JSU may attend a regionally accredited college or university as transient students to take acceptable course work. Students must have *written approval from the Registrar's Office prior to enrolling* at another college.

Students should note:

1. Course equivalencies should be checked with the JSU Registrar's Office. Students must have met the prerequisites for the requested

course and must not have already earned credit for all or part of the requested course.

2. Students who are dually enrolled with JSU and another institution must abide by the JSU course load policy.
3. Students attending a community college must earn 60-64 semester hours from a senior institution.
4. Students must request an official transcript be sent to the JSU Registrar's Office when course work is completed.
5. Graduating students must have an official transcript or letter of completion submitted to the Registrar's Office by 10:00 a.m. the day grades are due at JSU.

## Non-Traditional Credit

The maximum hours allowed for non-traditional credit (AP, CLEP, military service schools, correspondence, etc.) is 46 semester hours. Non-traditional credit awarded by Jacksonville State University is not considered as resident credit. Evaluations of non-traditional credit will be given on a case-by-case basis.

### **Military Transfer Credits**

Jacksonville State University may award academic credit for training completed during military service. The university makes military transfer credit decisions based off recommendations from the American Council on Education's (ACE) Military Guide and campus academic units. Military Transfer Credits at JSU could be in the form of:

- General Electives
- Military Science units
- Physical Education units
- Direct Equivalencies

Military students who desire to have their military training evaluated for potential academic credit must submit their Joint Services Transcript (JST) or Community College of the Air Force (CCAF) transcripts to the Office of Admissions. Once the JST or CCAF has been evaluated, each student should consult with their advisor to determine how best to use the awarded academic credit. Military students can expect an average of 3-10 credits awarded for prior military training.

### **Correspondence Courses**

Credit obtained through correspondence courses from other accredited colleges or universities may be counted towards graduation, provided that the total work done through correspondence does not exceed 12 semester hours. Only hours on which a "C" grade or better has been earned will be accepted.

No credit is granted for courses through correspondence in the following areas: English composition, grammar, speech, professional education courses, beginning and intermediate foreign language courses, and science courses with required laboratories.

Written approval must be obtained from the appropriate dean prior to registering for correspondence work.

### **Credit by Challenge**

Students seeking to challenge courses for credit must discuss it with the instructor and have the approval of the department head and dean prior to enrollment in the course. A credit by challenge form may be obtained from the appropriate dean's office. The grade earned will stand in the same manner as a course grade would if taken in normal fashion. Credit by challenge is permitted for undergraduate courses only and is

not allowed during short terms. Previously attempted courses may not be challenged. Credit by challenge is not available for courses that are not suited to this procedure. Only one course may be challenged per semester.

## College Level Examination Program (CLEP)

Jacksonville State University grants credit for CLEP scores. Students enrolling or enrolled at Jacksonville State University who are interested in attempting college level examinations should consult with the Registrar's Office before scheduling a testing appointment with Counseling Services at 782-5475, 140 Daugette Hall.

A student may not receive CLEP credit for any previously attempted courses. Students may retake exams following CLEP's retake policy.

Test results are evaluated by the Registrar's Office and recorded on a student's transcript if credit is awarded.

Semester hours of credit toward graduation are awarded on the basis of CLEP tests but no grades or quality points are given. Therefore, CLEP credits will not affect grade point average (GPA).

## CLEP Examinations and Credit Awards

Subject	Course	Hours
<b>Composition and Literature</b>		
American Literature	EH 201	3
English Literature	EH 203, EH 204	6
College Composition	EH 101, EH 102	6
College Comp Modular	EH 101	3
Humanities	HUM 100+	6
<b>Foreign Languages</b>		
French Language <sup>1</sup>	FH 101, FH 102	6
German Language <sup>1</sup>	GN 101, GN 102	6
Spanish Language <sup>1</sup>	SH 101, SH 102	6
<b>History and Social Sciences</b>		
American Government	PSC 100	3
Human Growth and Development	PSY 222	3
Introductory Psychology	PSY 201	3
Introductory Sociology	SY 221	3
Principles of Macroeconomics	EC 222	3
Principles of Microeconomics	EC 221	3
History of the United States I: Early Colonization to 1877	HY 201	3
History of the United States II: 1865 to Present	HY 202	3
Western Civilization I: Ancient Near East to 1648	HY 101	3
Western Civilization II: 1648 to Present	HY 102	3

<b>Science and Mathematics</b>		
Biology	BY 101/BY 103, BY 102/ BY 104	8
Calculus	MS 125, MS 126	8
Chemistry	CY 105/ CY 107, CY 106/ CY108	8
College Algebra	MS 112	3
College Mathematics	MS 100+	6
Natural Sciences	BY 101/ BY 103, Gen Elect	7
Precalculus	MS 115	4
<b>Business</b>		
Financial Accounting	ACC 200, AC 210	6
Introductory Business Law	FIN 292	3
Information Systems and Computer Applications	CS 201	3
Principles of Management	MGT 301	3
Principles of Marketing	MKT 301	3

Minimum CLEP score for credit award is 50.

- A score of 54 or higher in language will increase the credit award by 6 extra hours – 201 and 202.

## Advanced Placement (AP)

Jacksonville State University awards credit for advanced placement courses taken in secondary schools and supplemented by the satisfactory scores on the national examination of the College Entrance Examination Board (CEEB) Advanced Placement program. A score of three or above is required to be considered for the possible award of credit. Prospective students should have their official score report submitted to the Office of Admissions as early as possible for review and possible award of credit.

## Advanced Placement

Scores of 3, 4, or 5 are accepted.

Examination	Score	Equivalent	Hours
American History	3,4,5	HY 201 and HY 202	6
Art History	3	ART 111	3
	4,5	ART 111 and ART 112	6
Studio Art – Drawing	3	ART 134	3
	4,5	ART 134 and ART 234	6
Studio Art – General	3	ART 233	3
	4,5	ART 233 and ART 240	6
Studio Art – 2-D Design	4,5	ART 233 and ART 240	6

Studio Art – 3-D Design	4,5	ART 233 and ART 240	6
Biology	3,4,5	BY 101/BY 103 and BY 102/ BY 104	8
Chemistry	3	CY 105/CY 107	4
	4,5	CY 105/CY 107 and CY 106/ CY 108	8
Computer Science A	3	CS 201	3
	4,5	CS 201 and CS 230	6
English Lang. and Comp.	3	EH 101	3
	4,5	EH 101 and EH 102	6
English Lit. and Comp.	3	EH 101	3
	4,5	EH 101 and EH 102	6
European History	3,4,5	HY 101 and HY 102	6
French Language	3	FH 101 and FH 102	6
	4	FH 101, FH 102 and FH 201	9
	5	FH 101, FH 102, FH 201 and FH 202	12
German Language	3	GN 101 and GN 102	6
	4	GN 101, GN 102 and GN 201	9
	5	GN 101, GN 102, GN 201 and GN 202	12
World History	3,4,5	HY 101 and HY 102	6
Human Geography	3,4,5	GY 220	3
Calculus AB	3,4,5	MS 113 and MS 125	7
Calculus BC	3,4,5	MS 125 and MS 126	8
Music: Theory	3,4,5	MU 100	3
AP Physics 1	3,4,5	PHS 201/ PHS 203	4
AP Physics 2	3,4,5	PHS 202/ PHS 204	4
Physics B	3	PHS 201 and PHS 203	4
	4,5	PHS 201/ PHS 203 and PHS 202/ PHS 204	8

Physics C: Mechanics	3	PHS 211 and PHS 213	5
	4,5	PHS 211/ PHS 213 and PHS 212/ PHS 214	10
Physics C: Elec. and Mag.	3	PHS 212 and PHS 214	5
	4,5	PHS 211/ PHS 213 and PHS 212/ PHS 214	10
Spanish Language	3	SH 101	3
	4,5	SH 101 and SH 102	6
Spanish Literature	3,4,5	SH 303	3
Government and Politics: Comparative	3,4,5	PSC 101	3
Government and Politics: United States	3,4,5	PSC 100	3
Macroeconomics	3,4,5	EC 222	3
Microeconomics	3,4,5	EC 221	3
Psychology	3,4,5	PSY 201	3
Statistics	3,4,5	MS 204	3

### International Baccalaureate Program (IB)

Credit will be granted by Jacksonville State University to those who have achieved a score of five (5) or higher on the International Baccalaureate Program examinations.

International Baccalaureate Examination	Minimum Score	JSU Course Equivalent	Credit
Art, Studio	5	ART 134, ART 234	3,3
Art, General – portfolio	5	ART 233, ART 240	3,3
Biology (HL/SL)	5	BY 101/BY 103, BY 102/BY 104	4,4
General Chemistry	5	CY 105/CY 107, CY 106/CY 108	8
Computing Studies	5	CS 230	3
Economics	5	EC 221, EC 222	6
English	5	EH 101 and EH 102	6
Appropriate World History Exam (HL,SL)	5	HY 101	3
Appropriate World History Exam (HL, SL)	5	HY 102	3
Appropriate U.S. History Exam	5	HY 201	3



Appropriate U.S. History Exam	5	HY 202	3
Mathematics	5	MS 115 and MS 125	8
Physics	5	PHS 211/ PHS 213, PHS 212/ PHS 214	10
Psychology	5	PSY 201	3

Sociology (A Level)	A-E	SY 221	3
Spanish Language (AS Level)	A-E	SH 101	3
Spanish Language (A Level)	A-E	SH 101 and SH 102	6

### Advanced International Certificate of Education (AICE)

AICE Subject	Grade	JSU Credit	Credit Hours
Art and Design (AS Level)	A-E	ART 134	3
Art and Design (A Level)	A-E	ART 134 and ART 233	6
Biology (A Level)	A-E	BY 101/BY 103 and BY 102/ BY 104	8
Chemistry (A Level)	A-E	CY 105/CY 107	4
Economics (A Level)	A-E	EC 221 and EC 222	6
English (AS Level)	A-E	EH 101	3
Language or Language & Literature (AS Level)	A-E	EH 101	3
English (A Level)	A-E	EH 101 and EH 102	6
Literature in English (A Level)	A-E	EH 101	3
French Language (AS Level)	A-E	FH 101	3
French (A Level)	A-E	FH 101 and FH 102	6
Further Mathematics	A-E	MS 125 and MS 126	8
Geography	A-E	GY 120	3
German Language (AS Level)	A-E	GN 101	3
German Language (A Level)	A-E	GN 101 and GN 102	6
Mathematics (AS Level)	A-E	MS 112, MS 113, or MS 115	3
Mathematics (A Level)	A-E	MS 112 and MS 204	6
Physics (A Level)	A-E	PHS 201/ PHS 203 and PHS 202/ PHS 204	8
Psychology (AS and A Level)	A-E	PSY 201	3

# UNIVERSITY CODE OF STUDENT CONDUCT

The Office of Community Standards and Student Ethics stands to support the Jacksonville State University mission through remaining student centered and educational in its disciplinary procedures. The Code of Student Conduct is a way for the University to publically expect all students (undergraduate, graduate and non-degree seeking) to maintain standards and respect for the University community. The Code of Student Conduct is designed to support students in an educational and restorative way who allegedly engage in misconduct; as defined as any behavior inconsistent with University policies or local, state, federal and international laws. The Office of Community Standards and Student Ethics upholds the mission and goals of the institution while recognizing and respecting the rights, privileges and responsibilities of JSU students. (Misconduct can be further outlined within the Student Handbook, available online at <http://www.jsu.edu/studentaffairs/handbook.html>).

The Office of Community Standards and Student Ethics has outlined values that are critical to the follow-through of a fair and equal disciplinary proceeding for those students allegedly in violation of the Code of Student Conduct.

1. **Professional responsibility:** Balance developmental and educational needs of the student with the obligation of Jacksonville State University to protect the safety and welfare of the academic community. In situations where the behavior of a student poses a risk to self or others, Jacksonville State University staff must take action consistent with applicable laws and regulations.
2. **Nondiscrimination:** Protect human rights and promote appreciation of diversity and multicultural practice at Jacksonville State University.
3. **Equal and Consistent Treatment:** Treat all students with impartiality and accept all students as individuals with rights and responsibilities. Seek to create and maintain a campus climate in which learning and personal growth and development take place. Follow procedural guidelines when enforcing the Code of Student Conduct; as outlined by Jacksonville State University's Code of Student Conduct.
4. **Confidentiality:** Confidentiality is maintained with respect to all privileged communications and to educational and professional records considered confidential. Information is only shared in accordance with institutional policies and relevant statutes, where given informed consent, or when required to prevent personal harm to self or others.
5. **Respect:** Opportunity for every student and University employee to be treated with respect and dignity with the freedom of speech and open exchange of ideas.

Jacksonville State University's conduct system has authority in all non-academic disciplinary matters. The University reserves the right to discipline students and recognized student organizations for acts of misconduct wherever they occur. The University, at its discretion, may pursue disciplinary action against a student while the student is also subject to criminal proceedings. The University reserves this right, even if criminal charges are pending, reduced, or dismissed. As a Jacksonville State University community member, students are expected to uphold and abide by all local, state, federal and international laws. Referrals received from any University or police authority, regardless of location, are subject to the possible Code of Student Conduct proceedings for the accused.

In an effort to remain student centered in its practice, the Office of Community Standards and Student Ethics disciplinary process depends largely on the participation and involvement of students. The Director for Community Standards and Student Ethics has been designated as the supervising official and gatekeeper for the Code of Student Conduct and its disciplinary procedures. Violations of University policies, local, state, federal or international laws should be reported to the Director of Community Standards and Student Ethics. Jacksonville State University Handbook is available online at <http://www.jsu.edu/studentaffairs/handbook.html> or a hard copy may be obtained from the Dean of Students office, 402 Theron Montgomery Building.

A brief outline of a students' procedural assurances is outlined below (the procedural assurances in its entirety can be located in the student handbook as referenced above at <http://www.jsu.edu/studentaffairs/handbook.html>):

1. **Incident Referral Received**
  - a. students identified
  - b. alleged charges assigned based on details in referral
2. **Hearing Scheduled and Student Notified of Rights and Process**
  - a. Student attends the hearing to share what happened and share whether they view themselves as responsible or not responsible of the alleged violations
3. **Decision of Responsibility Made and Sent to Student**
  - a. appeal window of 3 business days begins once decision letter is sent

## Title IX Gender-Based and Sexual Misconduct Policy

Members of the Jacksonville State University (JSU) Community, guests and visitors have a right to be free from all forms of gender and sex-based discrimination, examples of which include, but are not limited to, acts of sexual violence, sexual harassment, domestic violence, dating violence, stalking, or discrimination based upon their sex, gender orientation or gender identity, or retaliation for reporting the same. All members of the University community are expected to conduct themselves in a manner that does not infringe on the rights of others. JSU has a zero tolerance policy for gender-based misconduct and will promptly investigate all allegations brought to the attention of University administrators. Where individuals are found to be in violation of this policy, appropriate sanctions will be imposed.

This policy has been developed to reaffirm the University's commitment to maintaining a safe campus community and to provide proper recourse for those individuals whose rights have been violated. The enforcement procedures utilized in implementing this policy balance the rights of victims, complainants, an accused and witnesses.

As the JSU administration is currently structured, the University's Title IX Coordinator is responsible for implementation and application of this policy:

Jennifer Argo  
102 Bibb Graves Hall  
(256) 782-5769  
[jlargo@jsu.edu](mailto:jlargo@jsu.edu)

Full information on JSU's Title IX Gender-Based and Sexual Misconduct Policy can be found on the JSU website: <http://www.jsu.edu/titleix/title-ix-gender-based-and-sexual-misconduct-policy.html>.

Full information on JSU's Title IX Grievance Resolution Process including Procedures can be found on the JSU website: <http://jsu.edu/titleix/title-ix-grievance-resolution-process.html>.

# STUDENT REGULATIONS/ INFORMATION

## General Information

### Policy on Privacy Rights of Students

#### Notification by the University

At least annually the university shall notify its eligible students of its policy on privacy rights of a student as follows:

1. Access to records.
  - a. Subject to the limitations contained in (b) which follows, the education records of an eligible student shall be accessible to such students. Such right of access shall include:
    - the right to be provided a list of the types of education records which are maintained by the institution and are directly related to students
    - the right to inspect and review the content of those records
    - the right to obtain copies of those records, which may be at the expense of the eligible student (but not to exceed actual cost to the institution of reproducing such copies)
    - the right to a response from the institution to reasonable requests for explanations and interpretations of those records
    - the right to an opportunity for a hearing to challenge the content of those records
    - if any material or document in the education records of the student includes information on more than one student, the right to inspect and review only such part of such material or document as related to such student or to be informed of the specific information contained in such part of such material
  - b. The following materials will not be available to an eligible student: Financial records of the parents of the student or any information contained therein; confidential letters and statements of recommendations, which were placed in the education records prior to January 1, 1975, if such letters or statements are not used for purposes other than those for which they were specifically intended; if the student has signed a waiver of the student's right of access, confidential recommendations
    - respecting admission to any education agency or institution
    - respecting an application for employment
    - respecting the receipt of an honor or honorary recognition
2. Procedures for granting access
  - a. An eligible student desiring access to his/her education records shall make a request in writing to the appropriate office. Requests concerning:
    - admissions should be made to the Office of Admissions
    - permanent academic records should be made to the University Registrar
    - financial records should be made to the Assistant Controller-Student Accounts
    - financial aid records should be made to the Director of Financial Aid
    - medical records should be made to Regional Medical Center
    - mental health records should be made to the Director of Counseling and Disability Support Services
    - police records should be made to the Director of Public Safety
    - student disability verification records should be made to the Director of Counseling and Disability Support Services
    - school and departmental records should be made to the dean of the appropriate school
    - employment records should be made to the Department of Human Resources
  - b. The access to the records or response to the request will be fulfilled within 45 days of receipt of the request.
3. Challenges of the content of records
  - a. Any dispute with an eligible student regarding the content of his/her education records will be settled, if possible, through an informal meeting and discussion with the student.
  - b. If the dispute is not settled through informal meeting and discussion referred to above, either the student or the appropriate official of the university may request a formal hearing on the matter. The hearing shall be conducted and the decision rendered by the Records Grievance Committee appointed by the President. At said hearing the eligible student shall be afforded a full and fair opportunity to present evidence relevant to the issues involved. A decision shall be rendered in writing by the committee within a reasonable period of time after the conclusion of the hearing, in no case to be more than 15 days.
4. Release of personally identifiable records.
  - a. An eligible student may request in writing that directory information not be made accessible to any party except those set forth in (b) below. Any such request shall be made within seven days after the formal registration period ends. This request may not be withdrawn during the semester in which made. Directory information includes:
    - the student's name
    - mailing address
    - telephone listing
    - JSU email address
    - enrollment status (full time, part-time)
    - whether currently enrolled or not
    - class/level
    - major field of study
    - participation in officially recognized activities and sports
    - weight and height of members of athletic teams
    - prior post-secondary institution(s) attended
    - JSU photograph(s)
    - dates of attendance
    - thesis/dissertation title
    - degrees and awards received

The university reserves the right to deny directory information.
  - b. Without the written consent of an eligible student, other education records shall not be made accessible to any party other than the following:
    - other university officials and teachers who have a legitimate education interest in such records
    - officials of other schools in which the student seeks and intends to enroll
    - the Comptroller General of the United States
    - the Secretary of the Office of Education
    - the U.S. Commissioner of Education

- the Director of the National Institute of Education
  - the Assistant Secretary for Education
  - authorized state educational authorities
  - the appropriate authorities in connection with the student's application for, or receipt of, financial aid
  - state and local officials or authorities to which such information is specifically required to be reported or disclosed by state law adopted prior to November 19, 1974
  - organizations conducting studies for, or on behalf of, educational agencies of institutions for the purpose of developing, validating, or administering predictive tests, administering student aid programs, and improving instruction, if such studies are conducted in such manner as will not permit the personal identification of students and their parents by persons other than representatives of such organizations, and such information will be destroyed when no longer needed for the purpose for which it is conducted
  - accrediting organizations in order to carry out their accrediting functions
  - parents of a dependent student or such parents as defined in section 152 of the Internal Revenue Code of 1954
  - in compliance with judicial order or pursuant of any lawfully issued subpoena, upon condition that the students are notified of all such orders or subpoenas in advance of the compliance therewith by the educational institution
- c. The written consent of the eligible student referred to in (3b) above must be signed by the student, must be dated, shall include a specification of the records to be released, the reason for such release and the names of the parties to whom such records will be released, and shall be provided to the eligible student upon payment of the reproduction cost.
- d. The restriction on the release of education records or personally identifiable information contained therein, as set out in (3b) above, shall not prohibit the release of information from the education records of an eligible student to appropriate persons in connection with an emergency, if the knowledge of such information is necessary to protect the health or safety of a student. The factors which should be taken into account in determining whether records may be released under this section include the following:
- the seriousness of the threat to the health or safety of the student or other persons
  - the need for such records to meet the emergency
  - whether the persons to whom such records are released are in a position to deal with the emergency
  - the extent to which time is of the essence in dealing with the emergency
- e. No personal information on a student will be released without a written statement from the university to the party receiving the information that no other party is to have access to such information without the consent in writing of the eligible student.
5. The USA Patriot Act (USAP) amends the Family Educational Rights and Privacy Act (FERPA) to permit educational institutions to disclose education records to Federal law enforcement officials without student consent as follows:
- a. By certifying that "specific and articulable facts" support the request, a U.S. Assistant Attorney General or higher-ranking official may obtain an ex parte court order that requires an

educational institution to turn over education records considered relevant to a terrorism investigation.

- Institutions do not violate FERPA by responding to such an order without student consent
  - The institution need not make a record of the disclosure, as FERPA ordinarily requires
  - A college or university "shall not be liable to any person for good faith disclosure of education records in response to such an ex parte order."
6. Release of Student Transcript.  
In accordance with the Buckley/Pell Amendment to the Family Educational Rights and Privacy Act, 1974, Jacksonville State University requires a signed letter of authorization or a signed JSU Transcript Request Form, with the original signature of the student making the request, or a request through the secure National Student Clearinghouse website in order to release that student's transcript(s). Additionally, the signed request must include the name and address of the institution or individual who is to receive the transcript(s), and the appropriate payment for the transcript(s). A transcript cannot be released to another individual without written authorization from the student. Telephone requests will not be accepted. Transcripts may be mailed directly to an institution or individual from the JSU Registrar's Office or issued directly to the student in a sealed JSU envelope. Official transcripts may NOT be released if the student account currently has a balance or "hold" at the time the transcript request is processed. All accounts in the Office of Student Accounts must be clear. Transcript requests received in the Registrar's Office will be processed in a timely manner. Any request that is held until semester grades are posted or until degrees are confirmed will be processed on a designated day the week after commencement. Payment must be made upon request, however, and all accounts must be clear at the time the transcript request is processed. Any transcript request received in the Registrar's Office without a proper signature or without appropriate payment or with a record "hold" will be returned to the student with instructions to resubmit the request with the appropriate inclusions. JSU reserves the right to alter, amend, or modify this policy at any time.

### **Permanent Educational Record**

The permanent educational record of the student consists of all classes the student has taken at JSU, the grades earned for those classes, all classes transferred to JSU from other institutions of higher education, the grades earned for those classes, and all non-traditional credit that has been granted by JSU to the student: CLEP, AP, military service schools, or work experience.

### **Social Security Number**

The student's social security number is confidential. However, the Federal Taxpayer Relief Act of 1997 requires all institutions to report certain data using the social security number. Therefore, the social security number must be provided to Jacksonville State University in accordance with the legislation. Federal law requires that students who apply for financial aid must use their social security number.

Authority for requesting the disclosure of a student's social security number is in Section 7(a)(2) of the Privacy Act 1974 (5 U.S.C. 522a).

### **Section 504/Americans with Disabilities Act (ADA) Compliance**

Jacksonville State University has filed with the Federal government an Assurance of Compliance with Section 504 of the Rehabilitation Act of 1973 as amended. The university does not discriminate on the basis of disability, and no qualified disabled person shall, on the basis of disability,

be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity.

The coordinator of Section 504 and compliance officer for ADA is Kandace Hamilton in the Office of Diversity and Inclusion. ((256) 782-8565) Students seeking accommodations may call Disability Support Services at (256)782-8380. Disability Support Services (<http://www.jsu.edu/dss/>) is located in 139 Daugette Hall.

## Alcohol and Other Drug Policy

### Purpose

The purpose of the Jacksonville State University (JSU) Alcohol and Other Drug Policy is to promote student responsibility, respect for the community and self, and to establish a University community that is safe, healthy, and conducive to academic endeavors. While students must define their own values and make their own choices, the University expects all of its members to comply with both JSU Policy and federal, state, and local laws as they apply to alcohol and other drugs. Furthermore, the University recognizes the harmful effects of alcohol abuse, illicit and illegal drug use, and prohibited prescription drug practices such as pharma shopping, selling prescription drugs, or using prescription drugs other than as prescribed.

### Outline of Policy Topics

The JSU Alcohol and Other Drug Policy will address the following topics:

1. Jurisdiction of the University
2. Alcohol Policy for Students
3. Other Drugs Policy for Students
4. Assistance for Alcohol and/or Drug Abuse
5. Summary of Federal, State, and Local Alcohol and Other Drug Laws

### Jurisdiction of the University

Jurisdiction of the University is generally considered to include student conduct which occurs on, near, or off University property and/or student conduct which has an adverse effect on the University, the members of the University community, or the fulfillment of the University's mission. We expect all our students to uphold our policies and federal, state, and local laws anywhere they go as long as they are a student with JSU or have a relationship with the University.

### Alcohol Policy for Students

Jacksonville State University has established the following policy in regards to alcohol use by students.

1. Alcohol possession and consumption on campus is permitted only for students of legal age (21).
2. It is unlawful and a violation of University Policy to use or possess identification that makes an individual appear older or misrepresents an individual as someone else.
3. The consumption of alcohol stronger than 80 proof is not permitted on campus.
4. It is prohibited to serve, provide, or knowingly allow alcohol to individuals under 21.
5. It is prohibited to serve alcohol to someone who is visibly intoxicated or to pressure someone to consume alcohol.
6. It is prohibited for minors to transport, possess, consume, or serve alcohol.

7. Common source and "tap" systems are prohibited. This includes, but is not limited to, kegs, beer balls, punch bowls, and punch served out of a cooler or another unusual container.
8. Drinking games are prohibited.
9. Consumption in student rooms should neither infringe on the rights of other students to study nor negate any normal activity.
10. Persons may not transport or consume open containers of alcoholic beverages in public areas<sup>1</sup>.
11. Full responsibility for compliance with policies and laws belongs to all students.

### Drug Policy for Students

The following define the University's policies regarding drug use.

1. Jacksonville State University prohibits illegal drugs on University property and at University events.
2. Students may not be in illegal possession of any controlled substance. Possession means that such substances are on one's person, in one's living environment, automobile, or known hiding location.
3. Prescription drugs are permitted on campus if accompanied by an authentic medical prescription. The use and/or distribution of legal medication outside the parameters of the medical authorization is prohibited.
4. Illegal drug paraphernalia, use, possession, sale, distribution, trafficking, and manufacturing are prohibited.

### Assistance for Alcohol and/or Drug Abuse

The University offers an array of services for students who require help with alcohol and/or drug use issues. Students needing confidential assistance responding to alcohol and/or drug abuse problems are encouraged to speak with a counselor from:

Counseling Services  
140 Daugette Hall  
Telephone: (256) 782-5475

Another confidential resource is the RMC Student Health Center: (256) 782-5310.

Besides individual sessions, Counseling Services provides educational programming through New Pathways, a psycho-educational program that includes both individual assessment and group participation, Collegiate Recovery Community (CRC), and other recovery and support groups.

### Summary of Federal, State, and Local Alcohol/Other Drug Laws

The following is a brief summary of some of the laws JSU students must adhere to relating to alcohol and other drugs.

1. *Aiding Underage Possession/Consumption of Alcohol*: It is unlawful to aid a person under the age of 21 in obtaining alcohol, including falsely representing the person is not a minor.
2. *Unlawful Possession, Receipt, Manufacture, or Distribution of Controlled Substances (Including Marijuana)*: It is unlawful to knowingly sell, manufacture, possess supplies to create controlled substances, deliver, bring into the state, receive, or be in possession of controlled substances. This includes illegally obtaining prescription drugs and marijuana. Trafficking to persons under 21, or on premises in which a person younger than 18 is present or resides, or in close proximity to a school or college results in significantly enhanced penalties,

as does a drug offense that results in the death or bodily injury of a person.

3. *Driving Under the Influence (DUI)*: It is illegal for any person to operate a motor vehicle while under the influence of alcohol. The State of Alabama considers anyone with a blood alcohol content of .08 or higher as under the influence and .02 or higher for someone under the age of 21.
4. *Improper Identification*: It is a criminal offense to use false identification to obtain alcohol.
5. *Minor in Possession*: In the State of Alabama, it is illegal for any person under the age of 21 to purchase, consume, or possess any alcoholic beverage of any kind.
6. *Open Beverage*: It is unlawful to have an open container of alcohol in public places on campus, including Dillon Field.
7. *Open House Party*: In the State of Alabama, it is illegal for a person in control of a residence to allow a party to continue if alcohol or controlled substances are possessed or consumed by persons under age 21 and the adult knows this and fails to take reasonable action to prevent it.
8. *Alabama Dram Shop Act*: Individuals who are injured by a person who received alcohol contrary to Alabama law have cause of action for civil damages against the person who provided the alcohol to the underage minor or caused the individual to become intoxicated or furnished a controlled substance to that person.
9. *Alabama Civil Damages Act*: A person may be liable for damages under civil law to a parent or guardian of a minor if that person unlawfully sells or furnished spirituous liquors to their minor child.
10. *Public Intoxication*: It is unlawful for a person to appear in a public place under the influence of alcohol, narcotics, or other drugs to a degree that she/he endangers her/himself or another person or property, or by boisterous and offensive conduct annoys another person in her/his vicinity.

### Violations of this Policy or Laws Outlined in this Policy

Violations of this policy or laws listed will certainly result in University disciplinary action which, if the student is found responsible, could result in any or all of the following (this list is not exhaustive):

1. Required education or workshops
2. Housing suspension
3. Loss of privileges
4. Separation from the University; temporarily or permanently
5. Probation or registration holds

Violations of the laws listed in this policy could lead to University or local law enforcement action, which could lead to any and/or all of the following:

1. Court appearances
2. Criminal history and background created or extended
3. Fines
4. Jail time
5. Loss of privileges (license, etc.)
6. Workshop or assessment requirements by law
7. Further disciplinary charges from the University

For questions regarding this policy, please contact the Office of Community Standards & Student Ethics. (<http://www.jsu.edu/community-standards/>)

## Public Safety

The University Police Department provides a wide-range of public safety services to include law enforcement, security, parking enforcement, communications, emergency management, and administrative services. Students and employees may report crime, accidents, and other emergencies to the University Police 24 hours a day, seven days a week.

Crime (<http://www.jsu.edu/police/crimestats.html>) information, the annual Clery (<http://www.jsu.edu/police/docs/CleryAnnualReport.pdf>) report, and fire log (<http://www.jsu.edu/police/Fire.html>) are all located at the University Police Department (<http://www.jsu.edu/police/>). For further information about the department and services available, contact UPD (<http://www.jsu.edu/police/>) at 256-782-8888. For emergencies, please call 256-782-5050 or 911.

## Parking

All students, staff, and faculty parking on campus must have a parking decal. Decals may be obtained by logging into your MyJSU account. The JSU Police Department has the authority to promulgate and enforce rules and regulations for the operation and parking of vehicles on campus. The responsibility of obtaining knowledge of the parking and traffic regulations rests with the vehicle operator. These rules and regulations are subject to enforcement 24 hours a day, seven days a week. Jacksonville State University reserves the right to remove vehicles when in violation of the Code of Alabama, Rules of the Road, ordinances of the City of Jacksonville, and parking rules and regulations for Jacksonville State University. Jacksonville State University assumes no responsibility for damage incurred while moving said vehicles. Vehicles may also be booted and towed for unpaid parking citations and when parking privileges have been revoked.

The basic principles of the parking regulations on Jacksonville State University are as follows:

1. All faculty, staff, students, and contract employees parking vehicles on University property must obtain and have a JSUPD issued parking decal properly displayed on their vehicle. The most up to date decal issued supersedes any previous decal issued, regardless of the expiration date.
2. Visitors parking vehicles on University property must obtain and have a JSU issued visitor's pass properly displayed on their vehicle. Visitor parking passes must be obtained at UPD or issued by the building visited by the building manager or their designee. Visitor passes are valid for one business day.
3. Operators must park their vehicle only in the designated parking zone indicated by the privileges of the assigned parking decal. Any vehicle parked in the wrong zone, at yellow curbs, where obstructing vehicle or pedestrian traffic flow, in reserved parking, in the GX Bus Station or any other area dictated by existing State law or University regulations will be subject to a parking citation, boot or the vehicle being towed at the owner's expense.

Please visit Parking (<http://www.jsu.edu/police/traffic.html>) to review all rules and regulations.

## The Cynthia H. Harper Child Study Center

The Cynthia H. Harper Child Study Center at JSU is operated by the Department of Family and Consumer Sciences and supports the instructional goals of the department. The center provides students and faculty opportunities for study and research related to the child. The center provides students enrolled in university courses opportunities to

work with children in the preschool setting and provides children enrolled in the center an environment which promotes optimum development.

Applications are accepted for children ages three to four years. Fees are due before classes begin and are paid directly to the JSU Office of Student Accounts. Fees per child are \$500.00 for the fall semester, \$500.00 for the spring semester, and \$180.00 for the Summer term. The center is open from 7:15 a.m. to noon, Monday-Friday, when JSU classes are in session. Application forms may be obtained from the Department of Family and Consumer Sciences.

## MYJSU Electronic Mail

All JSU students are assigned a JSU email address when they are accepted for admission. Access to email is through an easy to use web-based interface. For more information, visit User, Security and System Support (<http://www.jsu.edu/it/services/accounts/student-email.html>) or call (256) 782-8324.

## ID Card

JSU ID cards are made in the office adjacent to the Montgomery Food Court in Theron Montgomery Building. Hours are 8:00 a.m.-4:00 p.m. Monday-Thursday and 8:00 a.m.-2:00 p.m. on Friday. The office is closed Saturday and Sunday. The office also closes 12:00 noon-1:00 p.m. for lunch Monday-Friday. Anyone wishing to acquire a JSU ID card must be currently enrolled at the university and present proof of enrollment and identification before the card can be issued.

## University Bookstore

The University Campus Bookstore is located on the second floor of the Theron Montgomery Building. Students may purchase books and supplies at the University Bookstore, including new and used books, school and office supplies, clothing and gifts, and study guides. Textbook buyback days are scheduled for the week of finals at the end of fall, spring, and summer semesters. Extended operating hours are offered for the convenience of evening students.

## Mail Center

Each student enrolled at JSU is encouraged to obtain a campus post office box. All correspondence from the university, including financial aid checks not issued through direct deposit, will be sent to the post office box, unless the student elects the home mailing option. By paying a non-refundable fee per semester, students may have all correspondence sent to their off-campus mailing address.

The Mail Center is located on the 4th floor of the Theron Montgomery Building and is open from 8:00 a.m.-4:30 p.m. Monday-Friday. Mail is delivered Monday-Friday. No Saturday delivery is offered.

## Career Services

The Career Services office advertises part-time, co-op, internship, and full-time job postings online in Jlink (<https://jsu-csm.symplicity.com/>). Other services provided are resume critique, internships (not for academic credit), co-op program, mock interviews, federal resume writing assistance, career assessments, career counseling, job fairs, employer on-campus interviews, and informational sessions. The services are provided online and in person. Career Services is located in Kenamer Hall. To schedule an appointment, contact [careerservices@jsu.edu](mailto:careerservices@jsu.edu) or 256-782-5482.

Visit the website (<http://www.jsu.edu/careerservices/>) to learn more about the services & upcoming events. Questions for Career Services may be submitted using the online form (<http://www.jsu.edu/careerservices/question-form/>).

## Counseling and Testing Services

Counseling Services offers individual and group counseling for JSU students, faculty, and staff. Individuals needing counseling may self-refer or may be referred by faculty members or other university personnel. Appointments can be obtained by calling (256) 782-5475 or by completing the online counseling request form (<http://www.jsu.edu/ccservices/requestforservices.html>). Counseling Services also offers a variety of treatment and other support groups on an as needed basis. Staff members in the office are responsible for implementing campus and community programming on topics pertaining to safety, health, and wellness. The Counseling Office staff maintains a rotating on-call schedule for any crisis situation after normal business hours. If there is an after-hours emergency, the counselor on call will be contacted by the University Police Department.

Testing services are available to JSU students and the community, to include testing for:

- Proctored Exams
- Math Make-up Exams
- CLEP
- EPP
- MAT
- Residual ACT
- The Alabama State Personnel Exam
- ProvExam Certificate
- ACT Workkeys
- TOEIC English Language Exam
- EIPA

Exams must be scheduled by appointment. There are fees associated with some administered tests. Current information regarding registration, fees, and testing dates are found on Counseling Services (<http://www.jsu.edu/ccservices/>) or by calling (256) 782-5475.

## Disability Support Services

Disability Support Services (DSS) provides appropriate and reasonable accommodations for students with documented disabilities. It is the goal of DSS to ensure that students with disabilities have equal opportunity to achieve their personal academic goals while maintaining the integrity of JSU's academic program requirements. DSS provides reasonable accommodations through a variety of services and programs. Accommodations may include:

- exam proctoring
- special testing procedures
- extended time on exams
- priority registration
- interpreter services
- captioning services
- readers
- note takers
- brailled formats



- enlarged print materials
- alternative formats
- assistive technology

DSS (<http://www.jsu.edu/dss/>) is located in 139 Daugette Hall or contact (256) 782-8380.

## Learning Services

Learning Services administers and monitors the JSU EdReady Math Placement Exam required for all JSU students and assists undergraduate students in mastering basic and life skills through competency-based courses in the Department of Learning Skills and through learning assistance. Learning Services also assists students in developing college-level skills through the summer bridge program, Fast Start Academy. Students who do not master the English Competency Exam, which is required for graduation, enroll in Learning Services ECE Remediation before they attempt the exam again.

## Tutoring Services

Tutoring Services provides an extra boost to JSU students who anticipate they will have academic difficulty in general education courses. Peer tutors work individually or in small group study sessions with students to enhance and assist in academic progress. Tutorial services are free to all JSU students.

## Student Health Center

The Student Health Center is a primary health care facility providing outpatient medical services, as well as promoting preventive health measures to currently enrolled students, staff, and faculty.

Prior to enrollment, new students are required to submit completed student health information to MedProctor. Go to <http://www.jsu.edu/studenthealth/>, click on the tab for student health forms, the next page gives instructions on how to submit required health information.

## Instructional Services Unit

The Instructional Services Unit (ISU) is a division within the School of Education that provides a variety of support services. It consists of the:

- Teaching/Learning Center (T/LC) (<http://jsu.edu/education/isu/tlc.html>)
- Learning Resource Center (LRC) (<http://jsu.edu/education/isu/lrc.html>)
- Multimedia Instructional Laboratory (MIL) (<http://jsu.edu/education/isu/mil.html>)

The T/LC is an on-campus, free tutorial service to city and county school students in grades K-12. The ISU offers teachers-in-training an opportunity to gain practicum experience through the T/LC in-house laboratory tutoring program. Preservice teachers and children are exposed to the latest technology and strategies, including the internet.

The LRC provides educational materials and equipment to teachers currently employed in the public schools, undergraduate and graduate students in education, and JSU faculty. The materials include: instructional games, kits, books, computer programs, and audiovisuals. A wide variety of subjects are represented in the center, including reading, language, mathematics, social studies, science, health, perceptual motor, special education, and social-emotional development. Most of the items are available for short-term check out. Additionally, the center offers

media preparation services, such as laminating, copying, duplicating, letter cutting, and transparency making. Word processing, internet access are available to students, faculty, and the community through the LRC.

The MIL is also associated with the ISU. Multimedia computers utilizing a wide variety of formats, including videodisks, DVDs, and CD-ROMs, help to insure that students are exposed to the latest technologies available.

The ISU reflects goals and objectives that maximize the effective use of facilities, staff, and resources in the School of Education.

## Houston Cole Library

The twelve-story Houston Cole Library contains most of the university library collections. The collections, which consist of over 800,000 bound volumes plus numerous periodicals, electronic books and full-text periodical databases, microforms and audio-visual materials, meet the curriculum and research needs of the university community. Materials are available on all reading and interest levels. The library is a depository for government publications and United States Geological Survey maps. Through cooperative inter-library arrangements, the library makes its holdings available and has access to the resources of libraries throughout Alabama, the nation, and the world. The library web page, which provides access to the catalog, periodical databases, and many other electronic resources, can be found at [www.jsu.edu/library/](http://www.jsu.edu/library/) (<http://www.jsu.edu/library/>).

The library is arranged by subjects on individual floors and served by subject specialist librarians. Library faculty and staff on these floors provide reference service and instruction in how to use library materials and search bibliographic databases. Library books and reserve materials may be checked out in the lobby. All library services are available to online and distance education students as well.

A computer lab is located on the 10th floor, and each subject floor provides public access computers hard-wired to the internet. Laptop computers can be checked out from the 6th floor listening lab for in-house use on the library's wireless networks. Group study rooms are available for check out on select floors.

Houston Cole Library is open 87 hours per week when classes are in session. The library offers extended hours during fall and spring semester final exams.

## Athletics

Jacksonville State University is a NCAA Division I member of the Ohio Valley Conference. Since joining the OVC prior to the 2003 season, the Gamecocks have won Conference Championships in Football, Men's Basketball, Volleyball, Rifle, Men's Tennis, Men's Golf, Women's Golf, Baseball, and Softball.

The University offers 17 varsity sports, which all compete in the Ohio Valley Conference:

- *Men* – Baseball, Basketball, Cross Country, Football, Golf, Rifle, and Tennis
- *Women* – Basketball, Cross Country, Golf, Soccer, Softball, Tennis, Volleyball, Beach Volleyball, and Indoor and Outdoor Track

In addition to the numerous Ohio Valley Conference Championships, JSU also has claimed the OVC Women's All-Sports Trophy and finished as high as third in the Men's All-Sports standings. The All-Sports trophy

is a symbol of overall athletic excellence in conference-sponsored championships.

An OVC high, Gamecock student-athletes also excelled in the classroom as 139 student-athletes were named to the OVC Commissioner Honor Roll and almost 200 student-athletes posted a 3.0 grade point average or higher during the last academic year. The JSU athletic department posted a student record cumulative grade point average of over 3.26, with 16 sports at a 3.0 or higher.

JSU also won the OVC's most prestigious honor – the OVC Academic Achievement Banner for 2004. During that same year, Jacksonville State's student-athletes posted the highest graduation rate of any four-year institution in the State of Alabama.

Along with JSU's successful traditions come impressive notables, such as being the only school in the history of NCAA Division I or Division II competition to have national championships in football, basketball, and baseball. Only six other NCAA schools have won a national championship in basketball and football (Michigan, Michigan State, Ohio State, Florida, North Alabama, and Wittenberg).

JSU also has the distinction of having the first-ever female to play and score a point in a NCAA Division I football game. Kicker Ashley Martin connected on all three of her extra-point attempts, with her first coming at the 8:31 mark of the first quarter in the Cumberland game on August 30, 2001. In 2016, JSU became the first four-year college in Alabama to claim a Master's Champion, when former Gamecock Danny Willett won golf's most prestigious tournament.

## The International House Program

The International House program is a cultural exchange program with emphasis on cultural understanding. International students, for this program, are selected by the International House Scholarship Committee. International students in this program are considered JSU Global Ambassadors. These students must provide official transcripts or documents proving graduation from high school before they may enroll in classes. These documents must be mailed directly from the school to the Office of Admissions at JSU or must be placed in a sealed envelope from the school and presented unopened to the Office of Admissions.

International House students who wish to be considered degree-seeking from the beginning of their enrollment at JSU should, at the least, meet the admission requirements in the admission section of this catalog under International Student Admission.

Each year, 40 undergraduate students are accepted as members of this unique undertaking. Approximately one-half of the members are foreign students, and the remaining students are American. Members of the International House Program must be enrolled as full-time students in the university. All members reside at the International House. Each foreign student has an American student for a roommate. There are no special fees charged for participation.

In addition to the academic pursuits, members take part in a series of forums, seminars, and social events designed to provide opportunities for information, understanding, and appreciation of the cultures represented. Students also appear before many school, church, community, and civic organizations to share the details of their cultures, as well as impressions of Alabama and the United States.

The program places special emphasis on:

- Knowledge of the cultures of countries of the world
- Understanding and appreciation of different cultural values and systems
- Coordinating the activities of the students, American and foreign, into the total academic, and social life of the University and community
- Providing opportunities for dialogue and discussion among the members concerning topics related to the political, social, economic, spiritual, and human relations aspects of the countries represented

Persons interested in applying for membership are encouraged to call (256) 782-5303, email [ckhadka@jsu.edu](mailto:ckhadka@jsu.edu), or write:

Director  
International House Program  
Jacksonville State University  
700 Pelham Road North  
Jacksonville, AL 36265

## International Programs

The Office of International Programs provides support to international and American students. Services are provided to international students who attend or plan on attending the university. These services include:

- assistance in making the adjustment to life in the United States
- orientation to the university and the JSU community
- proper maintenance and renewal of student immigration status
- promotion of opportunities available to experience and enjoy American culture and the unique traits of JSU

This office provides support to JSU students who want to study abroad and faculty seeking research or exchange programs. Students interested in studying abroad are given information on opportunities and assistance in their study plans. University faculty interested in participating in exchange programs are also provided with information and assistance by this office. During their stay on the JSU campus, visiting faculty from universities abroad are provided with support.

International activities at the university are also supported through this office, including the oversight of international content in the curriculum. Cultural activities, student organizations, and student activities with international relevance are also under the guidance of this office.

International enrollment planning and actions, including university partnerships and agent partnerships, are managed through the office of International Programs.

Persons wishing additional information about the Office of International Programs are encouraged to call (256) 782-5674 or visit the office on the second floor of the International House.

## The English Language Institute

The English Language Institute (ELI) prepares future undergraduate and graduate students whose first language is not English to meet JSU's admission requirements and go on to succeed academically. The intensive English as a Second Language (ESL) curriculum covers the four skills of listening, speaking, reading, and writing, and includes extensive practice in academic composition and presentation. Along with language study, the special ELI course "Intro to JSU" introduces students to our campus through visits to academic departments and classes, participation in campus activities and sports events, and meeting regularly with American "conversation partners." Students learn more about American culture through trips to museums, regional businesses,

and other places of interest in the greater community. In addition, ELI promotes and delivers ESL programs for international educators. Learn more about ELI (<http://www.jsu.edu/eli/>).

# SUMMARY OF DEGREES/ REQUIREMENTS

## Summary of Degrees

Jacksonville State University is a multipurpose institution, located in northeast Alabama, offering the following undergraduate degrees:

- Bachelor of Arts (B.A.)
- Bachelor of Fine Arts (B.F.A.)
- Bachelor of Science (B.S.)
- Bachelor of Science in Education (B.S.E.)
- Bachelor of Science in Nursing (B.S.N.)
- Bachelor of Science in Respiratory Therapy (B.S.R.T.)
- Bachelor of Social Work (B.S.W.)

The University also offers basic engineering and pre-professional training for medicine, law, veterinary medicine, and pharmacy.

In addition to its undergraduate program, the university offers graduate study in the following degrees:

- Master of Arts (M.A.)
- Master of Science (M.S.)
- Master of Science in Education (M.S.E.)
- Master of Fine Arts (M.F.A.)
- Master of Social Work (M.S.W.)
- Master of Business Administration (M.B.A.)
- Master of Public Administration (M.P.A.)
- Master of Science in Nursing (M.S.N.)
- Educational Specialist (Ed.S.)
- Doctor of Nursing Practice (D.N.P.)
- Doctor of Science (D.Sc.)

Detailed information concerning these degrees may be found in the *Graduate Catalog* published separately.

## General Studies Requirements

Jacksonville State University offers seven undergraduate degrees: Bachelor of Science in Education, Bachelor of Science, Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Social Work, Bachelor of Science in Nursing, and Bachelor of Science in Respiratory Therapy. Students may be awarded multiple majors within the same degree. Students seeking to earn additional bachelor's degrees must complete a minimum of 32 semester hours in residence over and above the previously earned bachelor's degree and must meet all academic requirements for the degree sought as stipulated in the undergraduate catalog at the time of enrollment in the additional degree program. Hours earned in the major or minor from the first degree can not be used in the requirements of the second degree. The student must submit an updated application form to the appropriate dean's office for approval in advance. Students may not be awarded multiple degrees in the same graduation exercise. The following summary of general studies requirements must be included in all undergraduate degrees. These represent minimum requirements. Specific degree programs and majors may have additional requirements.

## General Studies Curriculum (60-64 Semester Hours)

Course	Title	Credits
<b>Area I-Written Composition</b>		<b>6</b>
EH 101 or EH 103	English Composition Honors English Composition I	
EH 102 or EH 104	English Composition Honors English Composition II	
<b>Area II-Humanities and Fine Arts</b>		<b>12</b>
Major departments specify which courses are required. As part of the general studies curriculum, students must complete a six-semester hour sequence in either literature or history. Introductory foreign language courses may also be used as humanities electives.		
Three hours of fine arts must be selected from ART 202, DR 242 or MU 233.		
ART 202	Art Appreciation	
DR 242	Introduction to the Theatre	
EH 141	Oral Communication	
EH 201	American Literature I	
EH 202	American Literature II	
EH 203	Survey of English Literature I	
EH 204	Survey of English Literature II	
EH 219	Honors Literature I	
EH 220	Honors Literature II	
EH 231	World Literature I	
EH 232	World Literature II	
FH 101	Beginner's French I	
FH 102	Beginner's French II	
FH 201	Intermediate French I	
FH 202	Intermediate French II	
MU 233	Introduction to Music	
SH 101	Beginner's Spanish I	
SH 102	Beginner's Spanish II	
SH 201	Intermediate Spanish I	
SH 202	Intermediate Spanish II	
<b>Area III-Natural Sciences and Mathematics</b>		<b>11</b>
Major departments specify which courses are required. Students must complete at least three semester hours in mathematics as required by major and at least eight semester hours in the natural sciences, which must include laboratory experiences.		
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	
CY 115	Concepts of General Chemistry I	
CY 116	Concepts of General Chemistry II	
GL 241 & GL 243	Physical Geology and Physical Geology Lab	
GL 242 & GL 244	Historical Geology and Historical Geology Lab	

GY 250 & GY 252	Physical Geography I: Atmospheric Patterns and Processes and Physical Geography Lab I
GY 251 & GY 253	Physical Geography II: Landscape Patterns and Processes and Physical Geography Lab II
MS 110	Finite Mathematics
MS 112	Precalculus Algebra
MS 113	Precalculus Trigonometry
MS 115	Precalculus Algebra and Trigonometry
MS 120	Calculus and Its Applications
MS 125	Calculus I
MS 126	Calculus II
MS 227	Calculus III
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II
PHS 211 & PHS 213	Physics for Scientists and Engineers I and Elementary Physics Laboratory Techniques I
PHS 212 & PHS 214	Physics for Scientists and Engineers II and Elementary Laboratory Techniques II

**Area IV-History, Social, and Behavioral Sciences** 12

Major departments specify which courses are required. As part of the general studies curriculum, students must complete a six-hour sequence either in literature or history.

AN 224	Introduction to Anthropology
EC 221	Principles of Microeconomics
EC 222	Principles of Macroeconomics
GY 120	World Regional Geography
GY 220	Human Geography
HY 101	Western Civilization I
HY 102	Western Civilization II
HY 201	American History I
HY 202	American History II
PSC 100	Introduction to American Government
PSY 201	Principles of Psychology
PSY 222	Human Development
SY 221	Introduction to Sociology

**Area V-Pre-Professional, Major and Elective Courses** 19-23

Major departments specify required courses and/or electives.

MAJOR/MINOR REQUIREMENTS/ELECTIVES:	60-64
<b>Total Minimum</b>	<b>120-132</b>

Students are encouraged to incorporate internships and practical field experiences in their degree plans. These field experiences may or may not be credit-bearing, but are considered integral to the learning process. Students should consult their academic advisors for prior approval and guidance.

## Bachelor of Arts

Majors for the Bachelor of Arts (B.A.) degrees may be selected from any field in which majors are offered, with the exceptions of:

- accounting
- chemistry
- computer science
- computer information systems
- criminal justice
- education
- emergency management
- family and consumer sciences
- finance
- forensic investigation
- geography
- management
- marketing
- mathematics
- social work
- physical education
- psychology
- teaching fields

Minors may be selected from any fields in which minors are offered. Students may only select a second (double) major from subjects permitted in this degree.

## Bachelor of Fine Arts

The requirements for the Bachelor of Fine Arts (B.F.A.) are listed under the Department of Art.

## Bachelor of Science

The requirements for the Bachelor of Science (B.S.) degree are the same as those for the Bachelor of Arts degree, with the following exceptions:

1. Where the degree is chemistry and the minor is biology or mathematics, a foreign language is highly recommended. However, the taking of a foreign language is encouraged in all programs.
2. Majors for the B.S. degree may be selected from the following fields:

- accounting
- applied electronics engineering
- applied manufacturing engineering
- biology
- chemistry
- computer information systems
- computer science
- criminal justice
- economics
- emergency management
- exercise science and wellness
- family and consumer sciences
- finance
- forensic investigation
- geography
- industrial leadership
- management
- mathematics
- marketing

- occupational safety and health management
- psychology
- sociology
- sports management and recreation studies

Students may only select a second (double) major from subjects permitted in this degree.

## Bachelor of Social Work

The requirements for the Bachelor of Social Work (B.S.W.) degree are listed under the Department of Sociology and Social Work. Specific general studies requirements and social work requirements are detailed. Double majors are not allowed in the B.S.W. degree.

## Bachelor of Science in Education

The requirements for various degrees in education vary considerably. See the section entitled School of Education for the requirements of degrees in early childhood education, elementary education, family and consumer science education, secondary education, and collaborative/special education. Information regarding teaching fields may be found under the respective department or school. The requirements for a degree in physical education may be found in the School of Health Professions and Wellness. The requirements for a Bachelor of Arts degree in music education may be found in the School of Arts and Humanities.

## Bachelor of Science in Nursing

The requirements for the Bachelor of Science in Nursing (B.S.N.) are listed in the section entitled Department of Nursing and Respiratory Therapy. Programs of study are listed for both general students and licensed registered nurses seeking degree completion.

## Bachelor of Science in Respiratory Therapy

The requirements for the Bachelor of Science in Respiratory Therapy (B.S.R.T.) are listed in the section entitled Department of Nursing and Respiratory Therapy. Programs of study are listed for both general students and practicing respiratory therapists seeking degree completion.

## Pre-Engineering

Students entering pre-engineering will consult their engineering advisor and the program outlined under the Department of Applied Engineering.

## Pre-Health Professions

Jacksonville State University provides the necessary academic experience for students who plan to seek admission to a health professional school in medicine, dentistry, optometry, physical therapy, pharmacy, veterinary medicine, physician assistant, etc. In most instances, students are expected to have completed a four-year program of study leading to a baccalaureate degree. While a specific major is not required for the health professions, most students who successfully matriculate in a health professional school, including medical school, have elected a major in biology or chemistry.

Admission to a health professional school will require successful performance on the appropriate entrance examination (the MCAT, DAT, VAT, OAT, etc.), a GPA of 3.2 or higher that has been achieved through a rigorous program of study, and a successful personal interview. These

achievements are usually preceded by a serious dedication to academic studies and a high degree of competitiveness achieved through activities that demonstrate critical thinking and problem-solving skills, such as undergraduate research.

Students must be well prepared prior to seeking admission; in general, this means a basic working knowledge of biology (17 semester hours or more), chemistry (16 semester hours or more), and often physics (eight semester hours or more). Advanced course work in biology and/or chemistry is highly recommended. Admission requirements to specific schools and programs vary; therefore, students considering health profession careers must seek advice from one of the pre-health professional advisors very early in the course of study. Students should plan individual academic programs carefully, taking the specific courses required for admission to the health professional schools and programs to which they plan to apply. To ensure a successful and positive academic experience, students should work closely with the pre-health professional advisors.

## Pre-Law Information

There is no single prescribed course of study which pre-law students must follow in order to gain admission to law school. Law schools prefer applicants from a variety of backgrounds, so there is no designated pre-law major, minor, or concentration. However, we do suggest courses which allow students the opportunity to develop their verbal and writing skills and which foster critical and analytical thinking. Students should take challenging courses in various disciplines in order to better prepare for law school.

In addition to having an undergraduate degree, pre-law students are required to take the Law School Admission Test (LSAT) prior to entering an ABA accredited law school. This should be done late in the student's junior year or early in the student's senior year. Information regarding the law school admission process may be obtained from the Law School Admission Council at [www.LSAC.org](http://www.LSAC.org) (<http://www.LSAC.org>). Additional information regarding pre-law may be obtained from the Senior Director of Undergraduate Studies and Special Programs, located in 107 Martin Hall. A detailed web page is maintained by the Office of Undergraduate Studies and Special Programs that includes information related to frequently asked questions, available resources, suggested time line for preparing for and applying to law school, and employment options. The Office of Undergraduate Studies and Special Programs also administers a free, practice LSAT at least twice a semester for students from all majors. Visit the web page at <http://www.jsu.edu/prelaw> (<http://www.jsu.edu/prelaw/>) for the most current information related to the law school application and admission process or call (256) 782-8335.

# SCHOOL OF ARTS AND HUMANITIES

Dean: Dr. Staci Stone

227 Stone Center

## Mission

The School of Arts and Humanities offers courses in humanities and arts to support the university's general studies curriculum and educational programs, as well as traditional liberal arts, professional, and graduate programs of study leading to baccalaureate degrees and master's degrees. The school gives highest priority to the quality of teaching delivered by its diverse and highly qualified faculty, while recognizing and promoting scholarly efforts, creative endeavors, and service, internal and external to Jacksonville State University. Using available resources, the school strives continuously for academic excellence, while keeping in mind the needs of its students.

## Integrated Studies

Program Coordinator: Ms. Michelle Green

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The Integrated Studies Program is a multidisciplinary approach which allows students to chart a program of study that combines courses from different but related subjects that are applicable to their career goals.

- Integrated Studies (Bachelor of Arts) (p. 46)

## Integrated Studies (Bachelor of Arts)

Jacksonville State University offers a Bachelor of Arts with a major in Integrated Studies. This degree program is a multidisciplinary approach which allows the students to chart a program of study that combines courses from different but related subjects that are applicable to their career goals. A Bachelor of Arts with a major in Integrated Studies requires a total of 120 semester hours:

Course	Title	Credits
General Education Courses <sup>1</sup>		60
Major AHSS 300 and 400 level with a grade of C or higher <sup>2</sup>		21
Any 300 or 400 level course with a grade of C or higher		15
General Electives		24
<b>Total Hours</b>		<b>120</b>

<sup>1</sup> Classes used for General Education requirements cannot be used in the major area.

<sup>2</sup> Arts, Humanities, Social Sciences, and Science courses are within the following subjects: Anthropology, Art, Biology, Chemistry, Computer Science, Criminal Justice, Drama, Emergency Management, English, French, Geography, Geology, History, Integrated Studies, Mathematics, Music, Physics, Political Science, Psychology, Public Safety Telecommunications, Social Work, Sociology, or Spanish.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3

Social/Behavioral Science		3
EH 141	Oral Communication	3
MS 110	Finite Mathematics	3
Any 100+ Electives		3
STU 101	First Year Experience	0
	Hours	15
<b>Spring</b>		
EH 102	English Composition	3
Social/Behavioral Science		3
Fine Arts		3
AHSS 100+ Electives <sup>1</sup>		6
	Hours	15
<b>Sophomore</b>		
<b>Fall</b>		
EH Literature		3
History Sequence		3
Natural Science		4
CS 201	Introduction to Information Technology	3
Any 100+ Electives		3
	Hours	16
<b>Spring</b>		
EH Literature		3
History Sequence		3
Natural Science		4
AHSS 100+ Electives <sup>1</sup>		4
	Hours	14
<b>Junior</b>		
<b>Fall</b>		
AHSS 300 or 400 level courses <sup>1</sup>		6
Any 300 or 400 level course		3
Any 100+ Electives		6
	Hours	15
<b>Spring</b>		
AHSS 300 or 400 level course <sup>1</sup>		6
Any 300 or 400 level course		3
Any 100+ Electives		3
AHSS 100+ Electives <sup>1</sup>		3
	Hours	15
<b>Senior</b>		
<b>Fall</b>		
AHSS 300 or 400 level courses <sup>1</sup>		6
Any 300 or 400 level courses		6
Any 100+ Electives		3
	Hours	15
<b>Spring</b>		
AHSS 300 or 400 level course <sup>1</sup>		3
Any 300 or 400 level course		3
Any 100+ Electives		6
AHSS 100+ Electives <sup>1</sup>		3
	Hours	15
	<b>Total Hours</b>	<b>120</b>

<sup>1</sup> Arts, Humanities, Social Sciences, and Science courses are within the following subjects: Anthropology, Art, Biology, Chemistry, Computer Science, Criminal Justice, Drama, Emergency Management, English, French, Geography, Geology, History, Integrated Studies, Mathematics, Music, Physics, Political Science, Psychology, Public Safety Telecommunications, Social Work, Sociology, or Spanish.

Classes used for General Education Requirements cannot be used in the Major area.

# Department of Art

Department Head: Mr. J. Seth Johnson

Hammond Hall, Carlisle Fine Arts Building, and Anders Round House

Accredited by the National Association of Schools of Art and Design

Member of College Art Association

The Department of Art offers courses in studio art and art history. These courses are designed to increase the student's understanding of the visual arts, past and present, and to aid in the development of the student's creative abilities in the visual arts. The purpose of the department is to develop the professional artist and to offer courses for self-enrichment for the general student. Students majoring in art may select a degree program leading to the Bachelor of Arts degree or a Bachelor of Fine Arts degree with a studio concentration. Studio areas are offered in painting, drawing, printmaking, ceramics, photography, and graphic design.

- Art (Bachelor of Arts) (p. 47)
- Art (Bachelor of Fine Arts) (p. 48)
- Art History Minor (p. 49)
- Art Minor (p. 49)
- Photography Minor (p. 49)

## Professor

Clark, Doug (p. 180)

Johnson, J. Seth (p. 184)

Runnells, Jamie (p. 189)

## Associate Professor

Anderson, William Chad (p. 178)

Lafferty, Bryce (p. 185)

McElroy, Allison (p. 186)

Miles, Sarah Cusimano (p. 187)

## Assistant Professor

Dunn, Christian M. (p. 181)

Oles, John (p. 188)

Ridlen, Michael Tray (p. 189)

Springer, Mary (p. 190)

## Art (Bachelor of Arts)

The Bachelor of Arts (BA) degree is a flexible 120-hour program which includes the general studies curriculum, the required Art major courses, and a minor. The major requires 54 hours, including:

Course	Title	Credits
ART 111	Survey of Western Art I	3
ART 112	Survey of Western Art II	3
ART 134	Drawing I	3

ART 233	Design I	3
ART 234	Drawing II	3
ART 240	Design II	3
ART 499	BA Senior Seminar and Exhibit	3
Select six hours of upper level art history		6
Select 27 hours of 300/400 level studio courses		27
Total Hours		54

The student may choose any minor offered at JSU.

After completion of ART 111 Survey of Western Art I (3) or ART 112 Survey of Western Art II (3), ART 134 Drawing I (3), ART 233 Design I (3), ART 234 Drawing II (3), and ART 240 Design II (3), students must present a portfolio and pass portfolio review by the Art Department faculty. Students must have a minimum 2.00 GPA overall and a minimum 2.50 GPA in the major. Please refer to the Bachelor of Arts in the Art Plan of Study for all general studies and Art Department course requirements.

All Art majors are required to seek advisement each semester from the department head or faculty advisor and become familiar with the general and specific requirements for the degree which they are seeking. Students majoring in Art are required to present a portfolio for faculty review by the end of their sophomore year. In addition, all Art majors are required to have completed and passed ART 134 Drawing I (3), ART 233 Design I (3), ART 234 Drawing II (3), ART 240 Design II (3), and the portfolio review before enrolling in 400-level studio classes. Students must earn a "C" or better in each of the major and minor courses taken. All majors will participate in a senior exhibition of upper class studio work prior to graduation. The Department of Art reserves the right to select class projects for a permanent collection.

The Bachelor of Arts degree offered by the Department of Art requires an overall minimum of 120 semester hours comprised of the following sub-requirements:

- a minimum of 12 hours of 300/400 level courses at JSU in the major
- a minimum of six hours of 300/400 level courses in the minor at JSU
- 41 hours of general studies courses
- 19 hours of support courses
- a minimum of 36 hours of 300/400 level courses, which include those required in the major and minor

Students must earn a minimum of 2.00 GPA overall and at JSU, 2.50 in the major, and a "C" or better in each of the major and minor courses to graduate.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

**A student must complete the Portfolio by the end of the sophomore year.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Natural Science		4
Social/Behavioral Science		3
ART 134	Drawing I	3
ART 233	Design I	3



STU 101	First Year Experience	0
	Hours	16
<b>Spring</b>		
EH 102	English Composition	3
Natural Science		4
MS 110	Finite Mathematics (or higher)	3
ART 234	Drawing II	3
ART 240	Design II	3
	Hours	16
<b>Sophomore</b>		
<b>Fall</b>		
Literature sequence		3
History		3
Studio		3
ART 111	Survey of Western Art I	3
Minor/Electives		3
	Hours	15
<b>Spring</b>		
Literature sequence		3
Fine Arts		3
ART 112	Survey of Western Art II	3
Studio		3
Minor/Electives		3
	Hours	15
<b>Junior</b>		
<b>Fall</b>		
Social/Behavioral Science		3
Humanities		3
Art History 300+		3
Studio		3
Studio		3
	Hours	15
<b>Spring</b>		
Studio		3
Social/Behavioral Science		3
Art History 300+		3
Studio		3
Minor/Electives		3
	Hours	15
<b>Senior</b>		
<b>Fall</b>		
Minor/Electives		4
Minor/Electives		3
Studio		3
Studio		3
Minor/Electives		3
	Hours	16
<b>Spring</b>		
Minor/Electives		3
ART 499	BA Senior Seminar and Exhibit	3
Studio		3
Minor/Electives		3
	Hours	12
	Total Hours	120

## Art (Bachelor of Fine Arts)

The Bachelor of Fine Arts (BFA) degree is a professional 122-hour advanced undergraduate curriculum. The 81-hour major includes 24 hours of art foundation courses, nine hours of 300/400 level art history courses, 18 hours of studio concentration courses, 27 hours of studio

electives in at least two other studio areas, and ART 488 BFA Seminar (3). A foreign language is recommended to fulfill the fine arts requirement in the general studies curriculum.

For eligibility to the BFA program, a student must meet the following requirements:

Course	Title	Credits
ART 111	Survey of Western Art I	3
or ART 112	Survey of Western Art II	
ART 134	Drawing I	3
ART 233	Design I	3
ART 234	Drawing II	3
ART 240	Design II	3
Select at least one course in the concentration area		
Select twelve hours of general studies curriculum		12
Total Hours		27

And have a minimum 2.50 GPA overall and a minimum 3.00 GPA in the major. All potential candidates for the BFA program must present a portfolio and pass portfolio review by the Art Department faculty for approval. All students eligible for the program will be reviewed for retention in the program. Please refer to the Bachelor of Fine Arts Plan of Study for all general studies and Art Department course requirements.

**All art majors** are required to seek advisement each semester from the department head or faculty advisor and become familiar with the general and specific requirements for the degree which they are seeking. Students majoring in Art are required to present a portfolio for faculty review by the end of their sophomore year. In addition, all art majors are required to have completed and passed ART 134 Drawing I (3), ART 233 Design I (3), ART 234 Drawing II (3), ART 240 Design II (3), and the portfolio review before enrolling in 400-level studio classes. Students must earn a "C" or better in each of the major and minor courses taken. All majors will participate in a senior exhibition of upper class studio work prior to graduation. The Department of Art reserves the right to select class projects for a permanent collection.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.***

**A student must complete the Portfolio by the end of the sophomore year.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Natural Science		4
Social/Behavioral Science		3
ART 134	Drawing I	3
ART 233	Design I	3
STU 101	First Year Experience	0
	Hours	16
<b>Spring</b>		
EH 102	English Composition	3
Natural Science		4
Math 110 or higher		3
ART 234	Drawing II	3
ART 240	Design II	3
	Hours	16

Sophomore		
<b>Fall</b>		
Literature sequence		3
History		3
Studio		3
ART 111	Survey of Western Art I	3
ART 341	Digital Literacy for Artists/Designers	3
Hours		15
<b>Spring</b>		
Literature sequence		3
Studio		3
ART 112	Survey of Western Art II	3
ART 335	Figure Drawing (studio)	3
Studio		3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
Social/Behavioral Science		3
Humanities/Fine Arts		3
ART History 300+		3
Studio		3
Studio		3
Studio		3
Hours		18
<b>Spring</b>		
History/Social/Behavioral Science		3
ART History 300+		3
Studio		3
Studio		3
Studio		3
Hours		15
<b>Senior</b>		
<b>Fall</b>		
Humanities/Fine Arts		3
ART History 300+		3
Studio		3
Studio		3
Studio		3
Hours		15
<b>Spring</b>		
ART 488	BFA Seminar	3
Studio		3
Studio		3
Studio		3
Hours		12
Total Hours		122

## Art History Minor

A minor in Art History consists of 18 hours of 300-400 level classes from courses offered in art history by the Art Department. Students are encouraged to take Western Civilization and gain some experience with a foreign language. Students who wish to pursue a minor in Art History should consult with the department head or art historian.

## Art Minor

A minor in Art consists of 21 hours of approved art courses, which include:

Course	Title	Credits
ART 134	Drawing I	3
ART 233	Design I	3
ART 234	Drawing II	3
ART 240	Design II	3
Select three hours in Art History (202 recommended)		3
Select six hours of studio courses numbered 300 and above		6
Total Hours		21

## Photography Minor

A minor in Photography consists of 21 hours of approved art courses, which include:

Course	Title	Credits
ART 341	Digital Literacy for Artists/Designers	3
ART 368	Introduction to Photography	3
ART 369	Black and White Photography	3
or ART 470	Alternative Processes in Photography	
ART 469	Intermediate Digital Photography	3
Select nine hours of studio courses in photography numbered 300 and above		9
Total Hours		21

Students who wish to pursue a minor in Photography should consult with the department head or a Photography professor. This minor is not available to students majoring in Art.

## Department of Drama

Department Head: Mr. Randal Blades

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#### Accredited by the National Association of Schools of Theatre

The mission of the Jacksonville State University Drama Department is to provide a strong liberal arts education while promoting respect for and appreciation of the art of theatre and film. Through an academically rigorous and supportive, creative environment, we cultivate critical thinking, analysis, and skills for artistic expression needed to build a career, while providing opportunities for higher level development within our students' chosen specialties. We also seek to produce a multifaceted, high quality, and challenging theatrical experience on our stage to enrich the university and surrounding communities.

- Drama - Performance (Bachelor of Arts) (p. 50)
- Drama - Production (Bachelor of Arts) (p. 51)
- Drama Minor (p. 52)
- Film and Entertainment Technology Minor (p. 52)
- Film Technology Certificate (p. 52)

## Distinguished Professor

Clements, Jr., L. Frederick (p. 180)

## Associate Professor

Blades, Randal W. (p. 179)

Boynton, Michael (p. 179)

Peck, Ellen M. (p. 188)

## Assistant Professor

Luck, Jennifer (p. 186)

# Drama - Performance (Bachelor of Arts)

A Bachelor of Arts in Drama requires a minimum of 120 semester hours.

All students majoring in drama must complete forty-five (45) hours of Drama courses, including the core classes:

Course	Title	Credits
<b>Core Courses</b>		
DR 241	Acting	3
DR 242	Introduction to the Theatre	3
DR 250	Student's Theatre <sup>1</sup>	2
DR 280	Play Analysis	3
DR 284	Stage Crafts	3
DR 349	Theatre Practicum <sup>1</sup>	2
DR 361	Theatre History I	3
DR 362	Theatre History II	3
DR 490	Senior Practicum	2
Twelve hours within their concentration		12
Nine hours of 300+ level drama electives		9
<b>Total Hours</b>		<b>45</b>

<sup>1</sup> These one-hour courses must be taken twice to satisfy the requirement.

The Performance concentration consists of twelve (12) hours in addition to the Drama core classes and electives:

Course	Title	Credits
<b>Performance Concentration</b>		
DR 290	Speech for the Performing Arts	3
DR 441	Acting II	3
Select six hours of electives from the following or other approved performance electives		6
DR 342	Directing	
DR 343	Auditioning	
DR 344	Careers in Performance	
DR 354	Movement for the Stage	
DR 383	Puppetry	
DR 485	Special Topics in Performance	
<b>Total Hours</b>		<b>12</b>

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101 or HY 201	Western Civilization I (sequence) or American History I	3
MS 110	Finite Mathematics (or higher)	3
DR 242	Introduction to the Theatre	3
DR 241	Acting	3
STU 101	First Year Experience	0
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
EH 102	English Composition	3
HY 102 or HY 202	Western Civilization II (sequence) or American History II	3
EH 141	Oral Communication	3
DR 284	Stage Crafts	3
DR 250	Student's Theatre	1
DR 280	Play Analysis	3
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>1</sup>		3
Natural Science and lab		4
PSY 201	Principles of Psychology	3
DR 290	Speech for the Performing Arts	3
Elective		2
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Literature <sup>1</sup>		3
Natural Science and lab		4
CS 201	Introduction to Information Technology	3
DR 250	Student's Theatre	1
Performance Elective		3
<b>Hours</b>		<b>14</b>
<b>Junior</b>		
<b>Fall</b>		
DR 349	Theatre Practicum	1
DR 361	Theatre History I	3
Social/Behavioral Science		3
Minor/Electives		6
Drama 300+ Elective		3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
ART 202 or MU 233	Art Appreciation or Introduction to Music	3
DR 362	Theatre History II	3
DR 441	Acting II	3
Minor		6
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
DR 349	Theatre Practicum	1
Performance 300+ Elective		3
Minor		6
DR 490	Senior Practicum	2
Elective		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Minor 300+		6
Drama 300+ Electives		6

Elective	2
Hours	14
Total Hours	120

<sup>1</sup> Must be a sequence.  
 Select from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3)

## Drama - Production (Bachelor of Arts)

A Bachelor of Arts in Drama requires a minimum of 120 semester hours. All students majoring in Drama must complete forty-five (45) hours of drama courses, including the core classes:

Course	Title	Credits
<b>Core Courses</b>		
DR 241	Acting	3
DR 242	Introduction to the Theatre	3
DR 250	Student's Theatre <sup>1</sup>	2
DR 280	Play Analysis	3
DR 284	Stage Crafts	3
DR 349	Theatre Practicum <sup>1</sup>	2
DR 361	Theatre History I	3
DR 362	Theatre History II	3
DR 490	Senior Practicum	2
Twelve hours within the concentration		12
Nine hours of 300+ level drama electives		9
<b>Total Hours</b>		<b>45</b>

<sup>1</sup> These one-hour courses must be taken twice to satisfy the requirement.

The Production concentration consists of twelve (12) hours in addition to the drama core classes and electives:

Course	Title	Credits
<b>Production Concentration</b>		
DR 285	Elements of Design	3
Select nine hours of electives from the following or other approved production electives		9
DR 371	Theatrical Design I	
DR 377	Costume Design I	
DR 383	Puppetry	
DR 385	Stage Carpentry	
DR 386	Stage Lighting	
DR 387	Stage Makeup I	
DR 389	Sound Design and Production	
DR 398	Costume Techniques	
<b>Total Hours</b>		<b>12</b>

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information**

**about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101 or HY 201	Western Civilization I (sequence) or American History I	3
MS 110	Finite Mathematics (or higher)	3
DR 242	Introduction to the Theatre	3
DR 284	Stage Crafts	3
STU 101	First Year Experience	0
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
EH 102	English Composition	3
HY 101 or HY 201	Western Civilization I (sequence) or American History I	3
EH 141	Oral Communication	3
CS 201	Introduction to Information Technology	3
DR 280	Play Analysis	3
DR 250	Student's Theatre	1
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>1</sup>		3
Natural Science and Lab		4
DR 241	Acting	3
PSY 201	Principles of Psychology	3
Electives		2
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Literature <sup>1</sup>		3
Natural Science and Lab		4
Social/Behavioral Science		3
DR 250	Student's Theatre	1
General Electives		3
<b>Hours</b>		<b>14</b>
<b>Junior</b>		
<b>Fall</b>		
DR 285	Elements of Design	3
DR 349	Theatre Practicum	1
DR 361	Theatre History I	3
Drama 300+ Electives		3
Minor/Electives		6
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
ART 202 or MU 233	Art Appreciation or Introduction to Music	3
DR 362	Theatre History II	3
Production 300+ Electives		3
Minor/Elective 300+		3
Minor/Electives		3
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
DR 349	Theatre Practicum	1
DR 300+ Electives		3
Production 300+ Electives		3
Minor/ Electives		8
<b>Hours</b>		<b>15</b>

Spring		
DR 490	Senior Practicum	2
Drama 300+ Electives		3
Production 300+ Elective		3
Minor/ Electives 300+		6
Hours		14
Total Hours		120

<sup>1</sup> Must be a sequence.  
 Select from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or

Thirty-six hours must be 300+.

## Drama Minor

The requirements for a minor in Drama are twenty-four (24) hours of drama courses, which must include:

Course	Title	Credits
DR 241	Acting	3
DR 242	Introduction to the Theatre	3
DR 250	Student's Theatre	1
DR 284	Stage Crafts	3
DR 349	Theatre Practicum <sup>1</sup>	2
DR 361	Theatre History I	3
DR 362	Theatre History II	3
Select six hours of drama electives numbered 300 or above		6
Total Hours		24

<sup>1</sup> DR 349, a one-credit-hour course, must be repeated for a minimum of 2 credit hours.

## Film and Entertainment Technology Minor

The requirements for a minor in Film and Entertainment Technology are a minimum of twenty-four (24) hours, which must include:

Course	Title	Credits
DR 230	Introduction to Filmmaking	3
DR 231	Film Technology Foundations	3
DR 232	Film Technology Foundations II	3
DR 235	Camera and Film Techniques	3
DR 284	Stage Crafts	3
EH 409	The Art of the Film	3
Select six hours of electives from the following:		6
DR 371	Theatrical Design I	
DR 372	Theatrical Design II	
DR 377	Costume Design I	
DR 378	Costume Design II	
DR 385	Stage Carpentry	
DR 386	Stage Lighting	
DR 387	Stage Makeup I	
DR 389	Sound Design and Production	

DR 391	Scene Painting	
DR 398	Costume Techniques	
DR 430	Film Techniques	
DR 487	Stage Makeup II	
Total Hours		24

This minor is not available to Drama majors.

## Film Technology Certificate

The requirements for a certificate in Film Technology include the following fifteen (15) hours:

Course	Title	Credits
DR 230	Introduction to Filmmaking	3
DR 231	Film Technology Foundations	3
DR 232	Film Technology Foundations II	3
DR 235	Camera and Film Techniques	3
Select three hours of electives by advisement		3
Total Hours		15

## Department of English

Department Head: Dr. Robert Felgar

### 215 Stone Center

- English (Bachelor of Arts) (p. 53)
- English Minor (p. 54)
- Business and Technical Writing Minor (p. 54)
- Creative Writing Minor (p. 54)

## Distinguished Professor

Di Biase, Carmine G. (p. 181)

Felgar, III, Robert P. (p. 181)

## Professor

Davis, Randall C. (p. 181)

Gates, Joanne E. (p. 182)

Gray, Larry (p. 182)

Jones, John H. (p. 184)

Kostova, Raina (p. 185)

Reed, Teresa (p. 189)

Stone, Staci (p. 190)

## Associate Professor

Porter, Andrea (p. 188)

## Assistant Professor

Douglas, Christopher C. (p. 181)

## Distinguished Lecturer

Burns, Christy C. (p. 179)

Foster, Jennifer (p. 181)

Myer, David H. (p. 187)

## Instructor

Bailey, Rodney (p. 178)

Bennett, Don (p. 179)

Dean, Susan A. (p. 181)

Elkins, Kathryn (p. 181)

Johnson, Katherine (p. 184)

Maloney, Joy (p. 186)

Mattox, April (p. 186)

Mecham, Mica (p. 187)

Moersch, Sarah (p. 187)

Nichols, Misti M. (p. 188)

Prickett, Deborah W. (p. 188)

Pruitt, Kenneth J. (p. 189)

Sasser, Tanya T. (p. 189)

Williams, Katelyn (p. 192)

Williams, Lisa M. (p. 192)

## English (Bachelor of Arts)

The Bachelor of Arts in English requires 120 hours.

The major requires 39 hours of English courses, which must include the following:

Course	Title	Credits
<b>Survey Courses</b>		
EH 201	American Literature I	3
EH 202	American Literature II	3
EH 203	Survey of English Literature I	3
EH 204	Survey of English Literature II	3
<b>Foundation Course</b>		
EH 403 or EH 404	Shakespeare I Shakespeare II	3
<b>English Literature Courses</b>		
Select 3 hours of American Literature		3
Select 6 hours of non-American Literature		6
<b>English Language Courses</b>		
Select two of the following:		6
EH 307	English Grammar	
EH 321	Advanced Grammar and Linguistics	
EH 344	Advanced Composition	

EH 415	Advanced Expository Writing	
EH 441	The History of the English Language	
<b>English Electives</b>		
Select one course from any 200+ level course		3
Select two courses from any 300+ level courses offered except the following:		6
EH 345	Argumentation and Debate	
EH 348	Composition and Speech	
EH 360	Interpersonal Communication	
<b>Total Hours</b>		<b>39</b>

For the English major, a minimum of 12 of the 36 hours must be taken at the 300/400 level at JSU. The English major also requires 12 hours of a single foreign language (FL 101-102, FL 201-202). Students who plan careers in education should contact the Teacher Education Services in the School of Education, Ramona Wood Hall, Room 207, for information on certification and assessment into education.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101 or EH 103	English Composition or Honors English Composition I	3
History sequence		3
Natural Science sequence		4
Social/Behavioral Science		3
STU 101	First Year Experience	0
MS 110	Finite Mathematics (or higher)	3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
EH 102 or EH 104	English Composition or Honors English Composition II	3
EH 141	Oral Communication	3
History sequence		3
Natural Science sequence		4
<b>Hours</b>		<b>13</b>
<b>Sophomore</b>		
<b>Fall</b>		
EH 201	American Literature I	3
Fine Arts		3
EH 203	Survey of English Literature I	3
Foreign Language 101		3
CS 201	Introduction to Information Technology	3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
EH 202	American Literature II	3
Social/Behavioral Science		3
EH 204	Survey of English Literature II	3
Foreign Language 102		3
Elective		1
English Elective 200+		3
<b>Hours</b>		<b>16</b>
<b>Junior</b>		
<b>Fall</b>		
English Literature <sup>1</sup>		3
English Language <sup>2</sup>		3

Foreign Language 201	3
Minor/Electives	6
Hours	15
<b>Spring</b>	
English Language <sup>2</sup>	3
Foreign Language 202	3
EH 403 or EH 404	3 Shakespeare I or Shakespeare II
Minor/Electives 300+	6
Hours	15
<b>Senior</b>	
<b>Fall</b>	
English Literature <sup>1</sup>	3
English Elective 300+	3
Minor/Electives 300+	9
Hours	15
<b>Spring</b>	
English Literature <sup>1</sup>	3
English Elective 300+	3
Minor/Electives 300+	9
Hours	15
Total Hours	120

<sup>1</sup> English Literature courses requirement: 9 hours at 300+ level, including one American and two non-American literature courses.

<sup>2</sup> English Language courses requirement: 6 hours selected from the following: EH 307 English Grammar (3), EH 321 Advanced Grammar and Linguistics (3), EH 344 Advanced Composition (3), EH 415 Advanced Expository Writing (3), EH 441 The History of the English Language (3).

## English Minor

A minor in English requires a minimum of 24 hours, which must include:

Course	Title	Credits
EH 101 or EH 103	English Composition Honors English Composition I	3
EH 102 or EH 104	English Composition Honors English Composition II	3
EH 141	Oral Communication	3
EH 203	Survey of English Literature I	3
EH 204	Survey of English Literature II	3
Select one of the following:		3
EH 201	American Literature I	
EH 202	American Literature II	
EH 219	Honors Literature I	
EH 220	Honors Literature II	
Select 6 hours of 300+ level electives <sup>1</sup>		6
Total Hours		24

A minimum of 6 of the 24 hours must be taken at the 300/400 level at JSU.

<sup>1</sup>Electives may be chosen from any 300+ English courses offered except EH 345 Argumentation and Debate (3), EH 348 Composition and Speech (3), and EH 360 Interpersonal Communication (3).

## Business and Technical Writing Minor

The minor in Business and Technical Writing requires a minimum of 24 hours, which must include:

Course	Title	Credits
EH 101 or EH 103	English Composition Honors English Composition I	3
EH 102 or EH 104	English Composition Honors English Composition II	3
EH 141	Oral Communication	3
EH 201	American Literature I	3
EH 202	American Literature II	3
EH 322	Technical Writing	3
EH 344	Advanced Composition	3
EH 415	Advanced Expository Writing	3
Total Hours		24

## Creative Writing Minor

The minor in Creative Writing requires a minimum of 21 hours, which must include:

Course	Title	Credits
EH 101 or EH 103	English Composition Honors English Composition I	3
EH 102 or EH 104	English Composition Honors English Composition II	3
EH 201	American Literature I	3
EH 202	American Literature II	3
EH 344	Advanced Composition	3
EH 351 or EH 352	Creative Writing I Creative Writing II	3
EH 415	Advanced Expository Writing	3
Total Hours		21

## Department of History and Foreign Languages

Department Head: Dr. Gordon E. Harvey

### 317 Stone Center

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- History Minor (p. 56)
- Gender Studies Minor (p. 56)
- Foreign Languages - French (Bachelor of Arts) (p. 56)
- Foreign Languages - Spanish (Bachelor of Arts) (p. 57)
- Foreign Languages Minor (p. 59)

## Distinguished Professor

Harvey, Gordon E. (p. 183)

Lemmons, Russel (p. 185)

## Professor

Cook, Llewellyn D. (p. 180)

Gross, Jennifer (p. 183)

Levi, Tamara J. (p. 185)

Robinson, Peter E. (p. 189)

## Associate Professor

Beezley, Paul R. (p. 179)

Koss, Ronald G. (p. 185)

Martinez, Alexandra (p. 186)

Pacheco, Eduardo (p. 188)

## Assistant Professor

Kaibara, Helen I. (p. 184)

## Instructor

Burrows, Cathy (p. 179)

Hudson, Antoinette (p. 184)

## History (Bachelor of Arts)

History majors may select from a wide variety of courses designed to broaden their horizons and widen their world view. The History major prepares students for careers in the public and private sector, from teaching to archival work, or to careers in business and commerce.

The 120-hour degree requires 33 hours of history courses. Students will take one survey sequence [HY 101 Western Civilization I (3)-HY 102 Western Civilization II (3) or HY 201 American History I (3)-HY 202 American History II (3)] as part of the general studies curriculum. The remaining sequence will be taken as part of the requirements for the major.

Course	Title	Credits
<b>Survey Courses (sequence not taken in general studies curriculum)</b>		
Select one of the following: 6		
HY 101 & HY 102	Western Civilization I and Western Civilization II	
HY 201 & HY 202	American History I and American History II	
<b>Courses numbered 300 or above:</b>		
U.S. History <sup>1</sup>		6
European History <sup>1</sup>		6
Non -U.S./Non-European History		6
History Electives		6
HY 303	Historian's Craft	3
HY 499	Capstone Experience	0
Total Hours		33

<sup>1</sup> Students must maintain a balance of early and modern classes in these sections.

## Other Requirements:

Twelve (12) hours of foreign language courses are required. Majors should consult with advisors in selecting these courses. Students pursuing the Bachelor of Arts in history must have a minor as well as a

major. A minor usually consists of 18 to 24 semester hours in a single field of study (for example, English, political science, geography).

Senior Thesis: All History majors are required to complete a senior thesis project [HY 499 Capstone Experience (0)]. This is an independent research project that seniors will undertake with a professor of their choosing, while enrolled in a class with the professor who supervises the project. The format of the project is flexible (to be determined in consultation with the supervising professor) in order to meet a variety of interests, from public history and museum curation to a more traditional historical research project. Whatever the form, the project will require the student to show their ability to use the "historian's toolkit" to synthesize information, to express their findings in written format, and to present their project to members of the department in open forum.

### Education Majors:

Students who plan careers in education should contact Teacher Education Services in the School of Education, Ramona Wood Hall, Room 207, for information on certification and assessment into education.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101	Western Civilization I	3
PSC 100	Introduction to American Government	3
Natural Science		4
MS 110	Finite Mathematics (or higher )	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
HY 102	Western Civilization II	3
Social/Behavioral Science		3
Natural Science		4
Electives		3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
EH Literature		3
HY 201	American History I	3
Fine Arts Elective		3
EH 141	Oral Communication	3
Foreign Language		3
Hours		15
<b>Spring</b>		
EH Literature		3
HY 202	American History II	3
CS 201	Introduction to Information Technology	3
Foreign Language		3
Electives		3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
History 300+ (by advisement)		3
HY 303	Historian's Craft	3
Foreign Language		3



Minor/Electives 300+	6
Hours	15
<b>Spring</b>	
History 300+ (by advisement)	6
Foreign Language	3
Minor/Electives 300+	6
Hours	15
<b>Senior</b>	
<b>Fall</b>	
History 300+ (by advisement)	9
Minor/Electives 300+	5
Hours	14
<b>Spring</b>	
History 300+ (by advisement)	6
Minor/Electives 300+	8
HY 499	0
Capstone Experience	0
Hours	14
Total Hours	120

## History Minor

The requirements for a minor in History are 21 hours in history courses, which must include:

Course	Title	Credits
HY 101	Western Civilization I	3
HY 102	Western Civilization II	3
HY 201	American History I	3
HY 202	American History II	3
Select 9 hours of history courses 300 or above		9
Total Hours		21

## Gender Studies Minor

The requirements for a minor in Gender Studies are 21 hours, which must include:

Course	Title	Credits
<b>Required Courses</b>		
SY 368	Theories of Gender	3
Select an additional 18 hours from the following: <sup>1</sup>		18
AN 345	Cultural Anthropology	
AN 361	Anthropology of Sexual Behavior	
EH 420	Women's Literature	
HY 436	History of American Women	
PSY 337	Psychology of Gender	
SY 310	Modern Family	
SY 350	Sociology of Disasters	
SY 367	Sociology of Sexualities	
SW 360	Cultural Diversity and Social Justice	
SW 365	Perspectives on Poverty	
Total Hours		21

<sup>1</sup> and other relevant courses pending committee approval

Students must complete classes from at least three different programs. For gender studies minors, the respective departments have agreed to waive any normal prerequisites for the above-listed classes.

For more information, please email the gender studies advisor at [genderstudies@jsu.edu](mailto:genderstudies@jsu.edu) or call the History Department at 256-782-5632.

Students may also complete up to six hours of the required 18 hours in non-designated courses that have been approved by the Gender Studies committee on a by-contract basis. Students wishing to take non-designated courses for gender studies credit must submit to the gender studies committee a contract for each non-designated course signed by both the instructor of record and the student, detailing how the student will create a gendered curriculum within the established framework of the course and course assignments. Students wishing to submit a proposal for a by-contract course should contact the gender studies advisor for the required form and pertinent information.

## Foreign Languages - French (Bachelor of Arts)

The department offers a Bachelor of Arts degree in Foreign Languages, with a concentration in either French or Spanish, as well as minors in the two languages, for students not seeking teaching certification (with a Bachelor of Science in Education degree). The department also offers courses of study leading to teaching certification in the chosen language (see below).

In the 120-hour Bachelor of Arts degree in Foreign Languages, requirements for the major include a minimum of 36 hours in the same language:

Course	Title	Credits
FH 101	Beginner's French I	3
FH 102	Beginner's French II	3
FH 201	Intermediate French I	3
FH 202	Intermediate French II	3
FH 303	Survey of Literature I	3
FH 304	Survey of Literature II	3
FH 310	Advanced Grammar and Composition	3
FH 320	French Conversation	3
FH 321	French Civilization I	3
FH 322	Francophone Culture	3
Select at least two 300/400 level French courses		6
Select 12 hours in World Cultures Courses <sup>1</sup>		12
Total Hours		48

Students with native or near-native language ability must contact the Foreign Languages department head to determine their proper placement in language courses. Students with previous foreign language experience may be exempted from any or all of the lower-level courses based on their placement test performance; however, the total credit hour requirement (36 hours in the language of concentration) must be fulfilled with other courses in the chosen language. Additionally, courses FH 101 Beginner's French I (3), FH 102 Beginner's French II (3), FH 201 Intermediate French I (3), and FH 202 Intermediate French II (3) **must be taken in sequence** (unless the student is exempted by placement test or has instructor's permission).

For information concerning teaching certification, please consult the School of Education entries in this catalog or seek help from the School of Education Teacher Education Services, in room 207 Ramona Wood Hall.

<sup>1</sup> World Cultures Courses: AN 224 Introduction to Anthropology (3), AN 345 Cultural Anthropology (3), ART 111 Survey of Western Art I (3), ART 112 Survey of Western Art II (3), ART 374 19th Century Art History (3), ART 394 Non-Western Art (3), EH 231 World Literature I (3), EH 232 World Literature II (3), EH 431 Non-Western Literature (3), PSC 373 Governments of Europe (3), PSC 375 Governments of Latin America (3), PSC 377 Governments of the Middle East (3), PSC 430 Governments of Asia (3), PSC 431 Comparative Politics (3), SW 360 Cultural Diversity and Social Justice (3), SY 360 Ethnic and Minority Group Relations (3), HY 476 Eastern (Asian) Civilizations (3), HY 477 Asian American History (3), HY 480 Colonial Latin America (3), HY 481 Modern Latin America (3), and HY 485 History of Mexico (3).

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
FH 101	Beginner's French I	3
History sequence		3
Natural Science sequence		4
EH 101	English Composition	3
Social and Behavioral Science <sup>1</sup>		3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
FH 102	Beginner's French II	3
History sequence		3
Natural Science sequence		4
EH 102	English Composition	3
EH 141	Oral Communication	3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
FH 201	Intermediate French I	3
MS 110	Finite Mathematics (or higher)	3
Social and Behavioral Science <sup>1</sup>		3
EH Literature		3
World Cultures Course <sup>3</sup>		3
Hours		15
<b>Spring</b>		
FH 202	Intermediate French II	3
Elective		3
EH Literature		3
Fine Arts Elective <sup>2</sup>		3
World Cultures Course <sup>3</sup>		3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
Select one of the following:		3
FH 303	Survey of Literature I	
FH 304	Survey of Literature II	
FH 310	Advanced Grammar and Composition	
FH 320	French Conversation	
CS 201	Introduction to Information Technology	3
Minor/ Electives		6
FH 321	French Civilization I	3
or FH 322	or Francophone Culture	
Hours		15

<b>Spring</b>	
Select one of the following:	
FH 303	Survey of Literature I
FH 304	Survey of Literature II
FH 310	Advanced Grammar and Composition
FH 320	French Conversation
Minor/Electives	
FH 321	French Civilization I
or FH 322	or Francophone Culture
French Elective 300/400 level	
Hours	

<b>Senior</b>	
<b>Fall</b>	
Select one of the following:	
FH 303	Survey of Literature I
FH 304	Survey of Literature II
FH 310	Advanced Grammar and Composition
FH 320	French Conversation
World Cultures Course <sup>3</sup>	
French Elective 300/400 Level	
Minor/Electives	
Hours	

<b>Spring</b>	
Select one of the following:	
FH 303	Survey of Literature I
FH 304	Survey of Literature II
FH 310	Advanced Grammar and Composition
FH 320	French Conversation
World Cultures Course <sup>3</sup>	
Minor/Electives	
Elective	
Hours	
Total Hours	

- <sup>1</sup> Select from AN 224 Introduction to Anthropology (3), GY 120 World Regional Geography (3), GY 220 Human Geography (3), PSY 201 Principles of Psychology (3).
- <sup>2</sup> Select from ART 202 Art Appreciation (3), MU 233 Introduction to Music (3), DR 242 Introduction to the Theatre (3).
- <sup>3</sup> World Cultures Courses: AN 224 Introduction to Anthropology (3), AN 345 Cultural Anthropology (3), ART 111 Survey of Western Art I (3), ART 112 Survey of Western Art II (3), ART 374 19th Century Art History (3), ART 394 Non-Western Art (3), EH 231 World Literature I (3), EH 232 World Literature II (3), EH 431 Non-Western Literature (3), PSC 373 Governments of Europe (3), PSC 375 Governments of Latin America (3), PSC 377 Governments of the Middle East (3), PSC 430 Governments of Asia (3), PSC 431 Comparative Politics (3), SW 360 Cultural Diversity and Social Justice (3), SY 360 Ethnic and Minority Group Relations (3), HY 476 Eastern (Asian) Civilizations (3), HY 477 Asian American History (3), HY 480 Colonial Latin America (3), HY 481 Modern Latin America (3), and HY 485 History of Mexico (3).

## Foreign Languages - Spanish (Bachelor of Arts)

The department offers a Bachelor of Arts degree in Foreign Languages, with a concentration in either French or Spanish, as well as minors in the two languages, for students not seeking teaching certification (with a Bachelor of Science in Education degree). The department also offers

courses of study leading to teaching certification in the chosen language (see below).

In the 120-hour Bachelor of Arts degree in foreign languages, requirements for the major include a minimum of 36 hours in the language of the concentration:

Course	Title	Credits
SH 101	Beginner's Spanish I	3
SH 102	Beginner's Spanish II	3
SH 201	Intermediate Spanish I	3
SH 202	Intermediate Spanish II	3
SH 303	Survey of Literature I	3
SH 304	Survey of Literature II	3
SH 310	Advanced Grammar and Composition	3
SH 320	Spanish Conversation	3
SH 321	Spanish Civilization	3
SH 322	Latin American Civilization	3
Select at least two 300/400 level Spanish courses		6
Select 12 hours from World Cultures courses <sup>1</sup>		12
Total Hours		48

Students with native or near-native language ability must contact the foreign languages department head to determine their proper placement in language courses. Students with previous foreign language experience may be exempted from any or all of the lower-level courses based on their placement test performance; however, the total credit hour requirement (36 hours in the language of concentration) must be fulfilled with other courses in the chosen language. Additionally, courses SH 101 Beginner's Spanish I (3), SH 102 Beginner's Spanish II (3), SH 201 Intermediate Spanish I (3), SH 202 Intermediate Spanish II (3) **must be taken in sequence** (unless the student is exempted by placement test or has instructor's permission).

For information concerning teaching certification, please consult the School of Education entries in this catalog or seek help from the School of Education Teacher Education Services, in room 207 Ramona Wood Hall.

<sup>1</sup> World Cultures Courses: AN 224 Introduction to Anthropology (3), AN 345 Cultural Anthropology (3), ART 111 Survey of Western Art I (3), ART 112 Survey of Western Art II (3), ART 374 19th Century Art History (3), ART 394 Non-Western Art (3), EH 231 World Literature I (3), EH 232 World Literature II (3), EH 431 Non-Western Literature (3), PSC 373 Governments of Europe (3), PSC 375 Governments of Latin America (3), PSC 377 Governments of the Middle East (3), PSC 430 Governments of Asia (3), PSC 431 Comparative Politics (3), SW 360 Cultural Diversity and Social Justice (3), SY 360 Ethnic and Minority Group Relations (3), HY 476 Eastern (Asian) Civilizations (3), HY 477 Asian American History (3), HY 480 Colonial Latin America (3), HY 481 Modern Latin America (3), and HY 485 History of Mexico (3).

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
SH 101	Beginner's Spanish I	3

History sequence		3
Natural Science sequence		4
EH 101	English Composition	3
Social and Behavioral Science <sup>1</sup>		3
STU 101	First Year Experience	0
Hours		16

<b>Spring</b>		
SH 102	Beginner's Spanish II	3
History sequence		3
Natural Science sequence		4
EH 102	English Composition	3
EH 141	Oral Communication	3
Hours		16

<b>Sophomore</b>		
<b>Fall</b>		
SH 201	Intermediate Spanish I	3
MS 110	Finite Mathematics (or higher)	3
Social and Behavioral Science <sup>1</sup>		3
EH Literature		3
World Cultures Course <sup>3</sup>		3
Hours		15

<b>Spring</b>		
SH 202	Intermediate Spanish II	3
Elective		3
EH Literature		3
Fine Arts Elective <sup>2</sup>		3
World Cultures Course <sup>3</sup>		3
Hours		15

<b>Junior</b>		
<b>Fall</b>		
Select one of the following:		3
SH 303	Survey of Literature I	
SH 304	Survey of Literature II	
SH 310	Advanced Grammar and Composition	
SH 320	Spanish Conversation	
CS 201	Introduction to Information Technology	3
SH 321 or SH 322	Spanish Civilization or Latin American Civilization	3
Minor/ Electives		6
Hours		15

<b>Spring</b>		
Select one of the following:		3
SH 303	Survey of Literature I	
SH 304	Survey of Literature II	
SH 310	Advanced Grammar and Composition	
SH 320	Spanish Conversation	
Minor/Electives		6
SH 321 or SH 322	Spanish Civilization or Latin American Civilization	3
Spanish Elective 300/400 level		3
Hours		15

<b>Senior</b>		
<b>Fall</b>		
Select one of the following:		3
SH 303	Survey of Literature I	
SH 304	Survey of Literature II	
SH 310	Advanced Grammar and Composition	
SH 320	Spanish Conversation	
World Cultures Course <sup>3</sup>		3
Spanish Elective 300/400 Level		3
Minor/Electives		6
Hours		15

**Spring**

Select one of the following:	3
SH 303 Survey of Literature I	
SH 304 Survey of Literature II	
SH 310 Advanced Grammar and Composition	
SH 320 Spanish Conversation	
World Cultures Course <sup>3</sup>	3
Minor/Electives	6
Elective	1
Hours	13
Total Hours	120

<sup>1</sup> Select from AN 224 Introduction to Anthropology (3), GY 120 World Regional Geography (3), GY 220 Human Geography (3), PSY 201 Principles of Psychology (3), SY 221 Introduction to Sociology (3).

<sup>2</sup> Select from ART 202 Art Appreciation (3), MU 233 Introduction to Music (3), DR 242 Introduction to the Theatre (3).

<sup>3</sup> World Cultures Courses: AN 224 Introduction to Anthropology (3), AN 345 Cultural Anthropology (3), ART 111 Survey of Western Art I (3), ART 112 Survey of Western Art II (3), ART 374 19th Century Art History (3), ART 394 Non-Western Art (3), EH 231 World Literature I (3), EH 232 World Literature II (3), EH 431 Non-Western Literature (3), PSC 373 Governments of Europe (3), PSC 375 Governments of Latin America (3), PSC 377 Governments of the Middle East (3), PSC 430 Governments of Asia (3), PSC 431 Comparative Politics (3), SW 360 Cultural Diversity and Social Justice (3), SY 360 Ethnic and Minority Group Relations (3), HY 476 Eastern (Asian) Civilizations (3), HY 477 Asian American History (3), HY 480 Colonial Latin America (3), HY 481 Modern Latin America (3), and HY 485 History of Mexico (3).

## Foreign Languages Minor

The requirements for a minor in Foreign Languages are 24 hours of foreign language courses in the same language, which must include:

Course	Title	Credits
Foreign Language 101		3
Foreign Language 102		3
Foreign Language 201		3
Foreign Language 202		3
Select four additional foreign language 300/400 level courses		12
Total Hours		24

Students with prior language experience may test out of the lower-level courses, and unless exempted, must take Foreign Language 101-102 and Foreign Language 201-202 in sequence. The minor is not available to students seeking teaching certification, but students concentrating in one language may choose to minor in the other. A student may also choose a non-language minor.

## Department of Music

Department Head: Dr. Thomas McCutchen

201 Mason Hall

Accredited by the National Association of Schools of Music

## Mission

The mission of the department is to develop musicians who are aware of the past, engaged in the present, embracing the future, and capable of leading and making musical contributions in whatever community or walk of life they choose. We offer professional training and promote scholarship among students in the discipline of music, sharing the expertise of our faculty in the training of music educators, scholars and performers. We recognize the interdependence among performance studies, music education and the theoretical and historical aspects of musical study, and we strive to instill excellence in each of these areas. We provide leadership for the region and serve the musical needs of the University, the general college student, campus cultural goals and the larger surrounding community through ensembles, solo performances and curricular offerings.

The Department of Music offers a Bachelor of Arts degree in Music with two concentrations.

- Concentration One in Music Education fulfills the requirements for the professional certificate to teach music in Alabama public schools on both the elementary and secondary levels.
- Concentration Two in General Music offers a program designed for the study of music within a liberal arts curriculum and requires a minor.

*Eligibility requirements: Students seeking to pursue a degree in Music must be determined as eligible for the program. Eligibility requirements include:*

- a formal audition in the student's primary performance medium (vocal or instrumental)
- theory and keyboard examinations
- evaluation of the student's potential for success by a faculty committee

*The procedures are in addition to University admission requirements. Music auditions and examinations may be arranged through the Music Office. A program assessment review will be accomplished at the end of the sophomore year to determine eligibility to advance to upper division level music studies.*

## Music Electives for Non-Music Majors

All ensembles and MU 233 Introduction to Music (3) are available to any student in the University and are designed to meet the needs of the general student who wishes to increase his or her appreciation and understanding of music.

- Music - Music Education - Instrumental (Bachelor of Arts) (p. 60)
- Music - Music Education - Vocal (Bachelor of Arts) (p. 61)
- Music - General Music (Bachelor of Arts) (p. 62)
- Music Minor (p. 63)
- Jazz Studies Minor (p. 64)
- Music Technology Minor for General Music Majors (p. 64)
- Music Technology Minor for Non-Music Majors (p. 64)

## Professor

Baptiste, Renee L. (p. 178)

Freeland, Wendy (p. 182)

Gordon, Douglas L. (p. 182)

McCutchen, Thomas W. (p. 186)

Wight, Nathan N. (p. 192)

## Associate Professor

Benson, Jeremy L. (p. 179)

Bodiford, Kenneth G. (p. 179)

Logsdon, John A. (p. 186)

Nevala, Andrew E. (p. 187)

Probst, Christopher (p. 188)

Woodward, James C. (p. 193)

## Assistant Professor

Stovall, Jeremy (p. 191)

## Instructor

Brandon, Mark (p. 179)

Gillespie, Clint (p. 182)

Hosmer, Christopher (p. 184)

Oft, Eryn (p. 188)

Park, Kye Jung (p. 188)

Stricklin, Teresa Cheatam (p. 191)

# Music - Music Education - Instrumental (Bachelor of Arts)

*The approved educational program cycle is assigned based on the actual assessment date into the Teacher Education program. For information on specific requirements, qualifications and procedures for Teacher Education program eligibility leading to Alabama teacher licensure, please consult the Education Program Requirements section of this catalog or Teacher Education Services, Rm 207, Ramona Wood Hall.*

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
MS 110 or MS 112	Finite Mathematics or Precalculus Algebra	3
MU 101	Music Theory	3
MU 111	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 170 or MU 180	Class Piano I or Class Piano Repertoire I	1
Ensemble <sup>2</sup>		1
MU 104	Concerts and Recitals	0
Class Methods Applied <sup>3</sup>		1
STU 101	First Year Experience	0
	Hours	15

### Spring

EH 102	English Composition	3
Social/Behavioral Science		3
MU 102	Music Theory	3
MU 112	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 171 or MU 181	Class Piano II or Class Piano Repertoire II	1
Ensemble <sup>2</sup>		1
MU 104	Concerts and Recitals	0
Class Methods Applied <sup>3</sup>		1
	Hours	15

### Summer

EH 141	Oral Communication	3
	Hours	3

### Sophomore

#### Fall

HY 101 or HY 201	Western Civilization I or American History I	3
MU 201	Music Theory	3
MU 211	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
Ensemble <sup>2</sup>		1
MU 237	Advanced Intro to Music	3
Class Methods Applied <sup>3</sup>		1
	Hours	14

#### Spring

HY 102 or HY 202	Western Civilization II or American History II	3
MU 202	Music Theory	3
MU 212	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
MU 150	Technology in Music	1
Class Methods Applied <sup>3</sup>		1
Ensemble <sup>2</sup>		1
MU 244	Introduction to Music Educ	2
MU 298	Mid-degree Assessment Review	0
	Hours	14

### Summer

EH Literature		3
	Hours	3

### Junior

#### Fall

Natural Science		4
Music Theory Option <sup>4</sup>		2
MU 210	Conducting	2
MU 334	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
Ensemble <sup>2</sup>		1
SPE 300	Survey of Exceptional Children and Youth	3
MU 350	Advanced Technology	1
MU 440	Band Literature for Teachers	1
	Hours	16

#### Spring

Natural Science		4
MU 471	Elementary Music Materials and Methods	3
MU 412	Music History & Literature	3
MU 334	Primary Applied Music <sup>1</sup>	2
MU 300	Junior Recital	0
MU 104	Concerts and Recitals	0

Class Methods Applied <sup>3</sup>		1
Ensemble <sup>2</sup>		1
MU 384	Beginning Band Foundations	1
	Hours	15
<b>Summer</b>		
EH Literature		3
	Hours	3
<b>Senior</b>		
<b>Fall</b>		
Social/Behavioral Science		3
MU 411	Music History & Literature	3
Class Methods Applied <sup>3</sup>		1
MU 482	Secondary Instrumental Music Materials and Methods	3
MU 443	Instrumental Conducting	3
MU 455	Practicum	2
MU 378	Instrumental Pedagogy Lab	1
	Hours	16
<b>Spring</b>		
MU 487	Internship in Grades P-12	9
MU 489	Capstone in Music Education	3
	Hours	12
	Total Hours	126

<sup>1</sup> Individual applied music must be studied each semester for a total of six semesters. In the sixth and final semester of study, each student will present a public recital. To aid the student in preparing for this final project, the Department of Music offers a special seminar under the guidance of the applied music instructor. Normally, all six semesters should be taken in the same applied instrument (voice, piano, clarinet, etc.). In exceptional cases a change from one instrument to another may be permitted in the major area with the approval of the instructors involved and the department head, but in such cases the student will be expected to declare clearly what subject his/her major instrument is and to pass the junior seminar work in that instrument.

<sup>2</sup> Every Music Education student is encouraged to participate in as many ensembles as possible, each for one credit hour, since practical experience of this kind will prove invaluable to the student in future teaching careers. Each student is required to participate in a large ensemble representing his/her certification area (instrumental or vocal/choral). Students must participate in 6 required ensembles: four large and two small. Large Vocal Ensembles are: MU 396 Chorus (1) and MU 418 A Cappella Choir (1). Large Instrumental Ensembles are (choose from at least two of the following): MU 332 Orchestra (1) (strings only), MU 348 Wind Ensemble (1), MU 392 Marching Southerners (1), MU 393 Chamber Winds (1), MU 450 Symphonic Band (1), and MU 479 Jazz Ensemble (1). Small Vocal Ensembles are: MU 362 Chamber Singers (1), MU 452 Lyric Theatre Workshop (1), and MU 495 Show Choir (1). Small Instrumental Ensembles are: MU 346 Small Chamber Music Ensemble (1), MU 368 Percussion Ensemble (1), MU 382 Accompanying (1) (pianists only), and MU 407 Jazz Combo (1). Pianists are encouraged to choose large ensembles from both vocal and instrumental categories. Deviations in the selection of required ensembles must receive the written approval of the department head.

<sup>3</sup> For Instrumental Music Education: MU 360 Class Voice I (1), MU 380 Class Woodwinds (1), MU 381 Class Brass (1), MU 390 Class Strings (1), MU 391 Class Percussion (1). Choose one additional course from: MU 260 Class Guitar (1), MU 363 Class Voice Pedagogy (1), or MU 370 Keyboard Harmony and Accompaniment I (1).

<sup>4</sup> Students may choose from MU 301 Music Theory (2), MU 302 Music Theory (2), MU 316 Arranging and Orchestration (2), MU 317 Choral Arranging (2), MU 318 Marching Band Techniques (2) or PHS 350 Physics in Music (3) to fulfill this requirement.

## Music - Music Education - Vocal (Bachelor of Arts)

The approved educational program cycle is assigned based on the actual assessment date into the Teacher Education program. **For information on specific requirements, qualifications and procedures for Teacher Education program eligibility leading to Alabama teacher licensure, please consult the Education Program Requirements section of this catalog or Teacher Education Services, Rm 207, Ramona Wood Hall.**

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
MS 110 or MS 112	Finite Mathematics or Precalculus Algebra	3
MU 101	Music Theory	3
MU 111	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 170 or MU 180	Class Piano I or Class Piano Repertoire I	1
Ensemble <sup>2</sup>		1
MU 104	Concerts and Recitals	0
MU 365	Diction I	1
STU 101	First Year Experience	0
	Hours	15
<b>Spring</b>		
EH 102	English Composition	3
Social/Behavioral Science		3
MU 102	Music Theory	3
MU 112	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 171 or MU 181	Class Piano II or Class Piano Repertoire II	1
Ensemble <sup>2</sup>		1
MU 104	Concerts and Recitals	0
MU 366	Diction II	1
	Hours	15
<b>Summer</b>		
EH 141	Oral Communication	3
	Hours	3
<b>Sophomore</b>		
<b>Fall</b>		
HY 101 or HY 201	Western Civilization I or American History I	3
MU 201	Music Theory	3
MU 211	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
Ensemble <sup>2</sup>		1
MU 237	Advanced Intro to Music	3

MU 370	Keyboard Harmony and Accompaniment I	1
	Hours	14
<b>Spring</b>		
HY 102 or HY 202	Western Civilization II or American History II	3
MU 202	Music Theory	3
MU 212	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
MU 150	Technology in Music	1
Ensemble <sup>2</sup>		1
MU 244	Introduction to Music Educ	2
MU 441	Choral Literature for Teachers	1
MU 371	Keyboard Harmony and Accompaniment II	1
MU 298	Mid-degree Assessment Review	0
	Hours	15
<b>Summer</b>		
EH Literature		3
	Hours	3
<b>Junior</b>		
<b>Fall</b>		
Natural Science		4
Music Theory Option <sup>3</sup>		2
MU 210	Conducting	2
MU 334	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
Ensemble <sup>2</sup>		1
SPE 300	Survey of Exceptional Children and Youth	3
MU 350	Advanced Technology	1
	Hours	15
<b>Spring</b>		
Natural Science		4
MU 471	Elementary Music Materials and Methods	3
MU 412	Music History & Literature	3
MU 334	Primary Applied Music <sup>1</sup>	2
MU 300	Junior Recital	0
MU 104	Concerts and Recitals	0
MU 367	Diction III	1
MU 385	General Instrumental Tech	1
MU 363	Class Voice Pedagogy	1
Ensemble <sup>2</sup>		1
	Hours	16
<b>Summer</b>		
EH Literature		3
	Hours	3
<b>Senior</b>		
<b>Fall</b>		
Social/Behavioral Science		3
MU 483	Secondary Vocal Music Materials and Methods	3
MU 444	Choral Conducting	3
MU 411	Music History & Literature	3
MU 455	Practicum	2
MU 379	Vocal Pedagogy Lab	1
	Hours	15
<b>Spring</b>		
MU 487	Internship in Grades P-12	9
MU 489	Capstone in Music Education	3
	Hours	12
	Total Hours	126

<sup>1</sup> Individual applied music must be studied each semester for a total of six semesters. In the sixth and final semester of study, each student will present a public recital. To aid the student in preparing for this final project, the Department of Music offers a special seminar under the guidance of the applied music instructor. Normally, all six semesters should be taken in the same applied instrument (voice, piano, clarinet, etc.). In exceptional cases a change from one instrument to another may be permitted in the major area with the approval of the instructors involved and the department head, but in such cases the student will be expected to declare clearly what subject his/her major instrument is and to pass the junior seminar work in that instrument.

<sup>2</sup> Every Music Education student is encouraged to participate in as many ensembles as possible, each for one credit hour, since practical experience of this kind will prove invaluable to the student in future teaching careers. Each student is required to participate in a large ensemble representing his/her certification area (instrumental or vocal/choral). Students must participate in 6 required ensembles: four large and two small. Large Vocal Ensembles are: MU 396 Chorus (1) and MU 418 A Cappella Choir (1). Large Instrumental Ensembles are (choose from at least two of the following): MU 332 Orchestra (1) (strings only), MU 348 Wind Ensemble (1), MU 392 Marching Southerners (1), MU 393 Chamber Winds (1), MU 450 Symphonic Band (1), and MU 479 Jazz Ensemble (1). Small Vocal Ensembles are: MU 362 Chamber Singers (1), MU 452 Lyric Theatre Workshop (1), and MU 495 Show Choir (1). Small Instrumental Ensembles are: MU 346 Small Chamber Music Ensemble (1), MU 368 Percussion Ensemble (1), MU 382 Accompanying (1) (pianists only), and MU 407 Jazz Combo (1). Pianists are encouraged to choose large ensembles from both vocal and instrumental categories. Deviations in the selection of required ensembles must receive the written approval of the department head.

<sup>3</sup> Students may choose from MU 301 Music Theory (2), MU 302 Music Theory (2), MU 316 Arranging and Orchestration (2), MU 317 Choral Arranging (2), MU 318 Marching Band Techniques (2) or PHS 350 Physics in Music (3) to fulfill this requirement.

## Music - General Music (Bachelor of Arts)

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
MU 101	Music Theory	3
MU 111	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
Ensemble <sup>2</sup>		1
STU 101	First Year Experience	0
MS 110	Finite Mathematics (or higher)	3
MU 170 or MU 180	Class Piano I or Class Piano Repertoire I	1
	Hours	14
<b>Spring</b>		
EH 102	English Composition	3

MU 102	Music Theory	3
MU 112	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
Ensemble <sup>2</sup>		1
EH 141	Oral Communication	3
MU 171 or MU 181	Class Piano II or Class Piano Repertoire II	1
Hours		14

**Sophomore**

**Fall**

Natural Science		4
Foreign Language		3
MU 201	Music Theory	3
MU 211	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
Electives <sup>3</sup>		3
Ensemble <sup>2</sup>		1
Hours		17

**Spring**

Natural Science		4
Foreign Language		3
MU 202	Music Theory	3
MU 212	Aural Skills	1
MU 134	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
Ensemble <sup>2</sup>		1
MU 298	Mid-degree Assessment Review	0
Hours		14

**Summer**

EH Literature		3
Hours		3

**Junior**

**Fall**

HY 101 or HY 201	Western Civilization I or American History I	3
MU 301	Music Theory	2
MU 237	Advanced Intro to Music	3
Ensemble <sup>2</sup>		1
MU 210	Conducting	2
MU 334	Primary Applied Music <sup>1</sup>	2
MU 104	Concerts and Recitals	0
Electives <sup>3</sup>		3
Hours		16

**Spring**

HY 102 or HY 202	Western Civilization II or American History II	3
MU 412	Music History & Literature	3
MU 302	Music Theory	2
MU 334	Primary Applied Music <sup>1</sup>	2
MU 300	Junior Recital	0
Electives <sup>3</sup>		6
Ensemble <sup>2</sup>		1
MU 104	Concerts and Recitals	0
Hours		17

**Summer**

EH Literature		3
Hours		3

**Senior**

**Fall**

Social/Behavioral Science		3
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MU 411	Music History & Literature	3
Electives <sup>3</sup>		4
CS 201	Introduction to Information Technology	3
Ensemble <sup>2</sup>		1

Hours 14

**Spring**

Social/Behavioral Science		3
Electives <sup>3</sup>		9
Ensemble <sup>2</sup>		1

Hours 13

Total Hours 125

<sup>1</sup> Individual applied music must be studied each semester for a total of six semesters. In the sixth and final semester of study, each student will present a public recital. To aid the student in preparing for this final project, the Department of Music offers a special seminar under the guidance of the applied music instructor. Normally, all six semesters should be taken in the same applied instrument (voice, piano, clarinet, etc.). In exceptional cases a change from one instrument to another may be permitted in the major area with the approval of the instructors involved and the department head, but in such cases the student will be expected to declare clearly what subject his/her major instrument is and to pass the junior seminar work in that instrument.

<sup>2</sup> Every General Music student is encouraged to participate in as many ensembles as possible, each for one credit hour, since practical experience of this kind will prove invaluable to the student in advancing one's ability on the primary instrument and overall musical development. Students must participate in eight semesters of ensembles: five large and three small. Large Vocal Ensembles are: MU 396 Chorus (1) and MU 418 A Cappella Choir (1). Large Instrumental Ensembles are (choose from at least two of the following): MU 332 Orchestra (1) (strings only), MU 348 Wind Ensemble (1), MU 392 Marching Southerners (1), MU 393 Chamber Winds (1), MU 450 Symphonic Band (1), and MU 479 Jazz Ensemble (1). Small Vocal Ensembles are: MU 362 Chamber Singers (1), MU 452 Lyric Theatre Workshop (1), and MU 495 Show Choir (1). Small Instrumental Ensembles are: MU 346 Small Chamber Music Ensemble (1), MU 368 Percussion Ensemble (1), MU 382 Accompanying (1) (pianists only), and MU 407 Jazz Combo (1). Pianists are encouraged to choose large ensembles from both vocal and instrumental categories. Deviations in the selection of required ensembles must receive the written approval of the department head.

<sup>3</sup> A minor must be included in the 25 hours listed as electives.

## Music Minor

The requirements for a minor in Music are 24 hours of music courses, which must include:

Course	Title	Credits
MU 101	Music Theory	3
MU 102	Music Theory	3
MU 111	Aural Skills	1
MU 112	Aural Skills	1
Primary Applied Music (3 consecutive semesters)		6
MU 237	Advanced Intro to Music	3
Music Elective 300+		4
MU 104	Concerts and Recitals (2 semesters)	0



Ensemble (3 semesters, 2 must be 300+)	3
Total Hours	24

## Jazz Studies Minor

The requirements for a minor in Jazz Studies are 18 hours, which must include:

Course	Title	Credits
MU 203	History of American Jazz	3
MU 401	Beginning Improvisation	1
MU 405	Theory and Composition of American Jazz	3
MU 207	Jazz Combo (2 semesters)	2
MU 407	Jazz Combo (2 semesters)	2
MU 279	Jazz Ensemble (2 semesters)	2
MU 479	Jazz Ensemble (2 semesters)	2
Select 3 hours from the following:		3
MU 402	Advanced Improvisation	
MU 416	Jazz Arranging I	
MU 417	Jazz Arranging II	
MU 386	Class Jazz	
MU 183	Jazz Piano	
Total Hours		18

## Music Technology Minor for General Music Majors

The Music Technology minor for General Music majors consists of 18 hours, which include:

Course	Title	Credits
MU 240	Introduction to Music Business	2
MU 150	Technology in Music	1
MU 350	Advanced Technology	1
MU 451	Advanced Music Technology II	2
MU 423	Individual Study/Project	2
MU 421	Individual Study in Music Composition	1
Select 9 hours from the following: <sup>1</sup>		9
DR 230	Introduction to Filmmaking	
DR 231	Film Technology Foundations	
COM 200	Introduction to Mass Communication	
ACC 200	Principles of Accounting I	
FIN 292	Legal and Social Environment	
MKT 301	Principles of Marketing	
ART 233	Design I	
Total Hours		18

<sup>1</sup> By Advisement only.

## Music Technology Minor for Non-Music Majors

A minor in Music Technology for non-music majors consists of 18 hours, which include:

Course	Title	Credits
MU 101	Music Theory	3
MU 111	Aural Skills	1
Select two hours from either Primary Applied or Class Piano:		2
MU 134	Primary Applied Music	
MU 169 & MU 170	Basic Piano Skills and Class Piano I	
MU 240	Introduction to Music Business	2
MU 150	Technology in Music	1
MU 350	Advanced Technology	1
MU 451	Advanced Music Technology II	2
MU 423	Individual Study/Project	2
MU 421	Individual Study in Music Composition	1
Select 3 hours from the following: <sup>1</sup>		3
DR 230	Introduction to Filmmaking	
DR 231	Film Technology Foundations	
COM 200	Introduction to Mass Communication	
ACC 200	Principles of Accounting I	
FIN 292	Legal and Social Environment	
MKT 301	Principles of Marketing	
ART 233	Design I	
Total Hours		18

<sup>1</sup> By Advisement only.

# SCHOOL OF BUSINESS AND INDUSTRY

Dean: Dr. William T. Fielding

111 SBI Complex

Accredited by AACSB International  
The Association to Advance Collegiate Schools of Business

## Mission Statement

The mission of the School of Business and Industry (SBI) is to educate a diverse undergraduate and graduate student body for successful employment and professional careers in a competitive global environment, to be productive and ethical citizens, and to be prepared for advanced studies, as well as lifelong learning.

The SBI carries out its mission through its commitment to the following four core values:

### Teaching

We seek to provide our students with a learning-centered environment through which they become literate, articulate, and broadly educated individuals, who are knowledgeable in fundamental economic principles, the business disciplines, and the impact of global forces on domestic affairs. The curricula prepare baccalaureate and MBA graduates to be literate with information technology, ethically and globally aware, as well as analytical decision-makers who possess fully developed oral, written, and interpersonal communication skills. Graduates should be able to adapt to rapidly changing technologies and to adapt to a diverse work-place environment. The faculty seek to be recognized as excellent teachers and scholars, dedicated first and foremost to the development of students, through quality teaching, advising, and mentoring.

### Intellectual Contributions

The SBI values basic research, applied research, and instructional development activities of the faculty, with primary focus on applied scholarship (contribution to practice) and instructional development (learning and pedagogical research). The faculty believe that teaching and scholarly activity are interdependent and that research enhances faculty effectiveness in the classroom and provides students with state-of-the-art business knowledge.

### External Interaction

The SBI seeks to take a leadership role in the economic development of the State of Alabama, specifically its Northeast region. The SBI promotes excellence in service activities consistent with academic and professional strengths of faculty and staff. Faculty and staff are expected to be a resource for the economic development of the State and region by extending their knowledge, skills, and values to society. Interaction with external constituents is fostered through a variety of efforts to include the Center for Economic Development, the Center for Economic Education, the Environmental Policy and Information Center, guest speakers, executives-in-residence, and advising groups.

### Continuous Improvement

The School strives to provide quality undergraduate and graduate management education through traditional, as well as distance, delivery. The faculty, staff, and administration of the SBI are committed to continuously improving the quality of our academic programs, our

student support activities, and our service to the local and regional community.

## Guiding Principles

From these **core values**, the School has derived the following guiding principles:

- *Emphasize effective teaching in an environment with ample opportunities for academic and professional engagement through interaction of students and faculty with the business community;*
- *Create a student-centered educational environment, including a small-class atmosphere, and a caring faculty;*
- *Employ a strong faculty recognized for teaching and producing high quality scholarship;*
- *Build a student body focused on ethical development, integrity, an entrepreneurial spirit, social responsibility, and sustainability;*
- *Emphasize the importance of input from business practitioners, alumni, students, and community leaders to enhance the School's programs;*
- *Emphasize the importance of strong academic programs, student support activities, and service to the community;*
- *Reinforce the importance of quality, efficiency, and innovative ideas;*
- *Support sustainability of the community, region, and State.*

## Vision Statement

The School aspires to be recognized as one of the premier public regional undergraduate schools of business in the Southeast.

## Programs of Study

This School offers the 120 hour Bachelor of Science degree with business majors in the following areas of study:

- Accounting
- Business Economics
- Finance
- Management (concentrations are available in Entrepreneurship, Human Resource Management, and Information Management/E-Commerce)
- Marketing

Also, a 120-hour Bachelor of Arts degree with a major in Economics and approved minor which, among others, may include Urban Economics/Real Estate Development as an option. A major in Economics with a concentration in International Business is also available. The SBI offers minors in:

- Accounting
- Business Economics
- Finance
- Business Administration
- Information Management/E-Commerce
- International Business
- Management
- Marketing
- Urban Economics/Real Estate Development

Other programs offered by the SBI include the Bachelor of Science degree in Applied Engineering with the following majors:

- Applied Manufacturing Engineering (Design and Automation or Manufacturing Management)
- Applied Electronics Engineering
- Industrial Leadership
- Occupational Safety and Health Management

The department also offers a variety of minors to benefit students majoring in other fields. Minors in:

- Applied Electronics Engineering
- Design and Automation
- Manufacturing Management
- Occupational Safety and Health Management

The two-year **Pre-Engineering program** offers a curriculum that will permit the majority of students to transfer with junior standing to most undergraduate engineering programs at other colleges and universities.

A Bachelor of Arts degree in Communication, as well as a minor in Communication, is available through the School of Business and Industry.

## Upper Division Assessment Policy for Business Majors

In addition to meeting the general admission requirements of the University, students wishing to pursue a business degree from the School of Business and Industry must adhere to the following:

1. All Bachelor of Science students enrolling in the School will list their major as "Undecided-MGMT" until the completion of all lower division (freshman and sophomore) courses. Upon completion of these 60 hours with a GPA of 2.00 or higher, students will be reclassified to one of the five business degree majors (accounting, business economics, finance, management, or marketing).
2. While taking lower division courses, all students should schedule English composition and math courses each semester until such courses requirements are completed.
3. SBI students who complete the 60 hours of lower division courses without attaining a 2.00 GPA will be required to repeat courses in order to bring the GPA up to the required 2.00. For the purposes of calculating the lower division GPA, only the highest grade for repeated courses will be included. Students not meeting the conditions to be reclassified will have one semester to bring the GPA up to the required 2.00. During this one semester, students will be allowed to continue in only nine (9) hours of SBI core courses selected from the following upper division courses: FIN 301 Business Finance (3); EC 303 Money and Banking (3), EC 321 Intermediate Microeconomics (3), or EC 322 Intermediate Macroeconomics (3); MKT 301 Principles of Marketing (3); MGT 301 Principles of Management (3); CBA 350 Business Communications (3), CBA 396 International Business (3), and IME 375 Introduction to e-Commerce (3) (all prerequisites must be adhered to). Students who attempt to enroll in classes without appropriate prerequisites will be dropped from these classes.
4. Students who begin their program at JSU will follow the program of study outlined in the JSU catalog that is current at the time they initially enroll. However, if at some later date a student wishes to change to a more recent catalog, this is permissible. Students electing to change to a more recent catalog will need to satisfy all requirements of the selected catalog. See appropriate section of the university catalog for Catalog Requirements and Time Limits.

5. Students transferring from any two-year college or other four-year institution must abide by all rules and regulations as specified in the appropriate JSU catalog relative to their admission, both into the university as well as into the School of Business and Industry. Transfer students also have the right to move to a more current catalog, if desired.
6. Students planning to transfer from other junior or senior level colleges should consult with the Student Support Services Coordinator in the School of Business and Industry for information relative to degree requirements.

## Advising Policy

The School of Business and Industry maintains an Advising Center {School of Business & Industry Complex (SBIC)} in which all freshman and sophomore students entering one of the business majors are advised. In addition, all first-time transfer business students are advised in the Center. Juniors and seniors who have completed all lower division courses with the appropriate GPA and have been reclassified into one of the school's five business majors are advised by a faculty member from that major. Advisor assignments are made at the time of reclassification into the major.

Students enrolling in Applied Engineering are advised in the departmental office for that major (153 Ayers Hall).

Students enrolling in the Communication program are advised in the departmental office for that major (217 Self Hall).

## Course Transfer Policy for Business Majors

Business students transferring to JSU from other accredited institutions must satisfy specified course and GPA requirements prior to eligibility for upper division courses. Also, business students may transfer into JSU from another institution no more than 50 percent of the business credit hours required for the business degree (SBI core plus major requirements). Transfer credits for 300/400 level business courses will be accepted only from AACSB-International accredited schools. This applies only to courses that are approved for transfer once a student has enrolled as a business student at Jacksonville State University and not to credits that have been completed at another institution prior to enrolling in JSU's business program. See appropriate section of the university catalog for Transfer Student Admissions.

## SBI Business Core Requirements

The following courses are included in the SBI core:

Course	Title	Credits
CBA 115	Business Fundamentals/Orientation	3
CBA 350	Business Communications	3
CBA 390	Operations Management	3
CBA 396	International Business	3
CBA 469	Business Policy and Strategy	3
ACC 200	Principles of Accounting I	3
ACC 210	Principles of Accounting II	3
CS 201	Introduction to Information Technology	3
ST 260	Statistics/Quantitative Methods I	3
ST 261	Statistics/Quantitative Methods II	3
FIN 292	Legal and Social Environment	3

FIN 301	Business Finance	3
EC 221	Principles of Microeconomics	3
EC 222	Principles of Macroeconomics	3
EC 303	Money and Banking	3
or EC 321	Intermediate Microeconomics	
or EC 322	Intermediate Macroeconomics	
MKT 301	Principles of Marketing	3
MGT 301	Principles of Management	3
MGT 305	Organizational Behavior	3
IME 375	Introduction to e-Commerce	3

A student must earn a minimum “C” average (2.00 GPA) in SBI core subjects and SBI core subjects taken in residence.

## Grade Requirements for Major and Minor Courses

The student must earn a grade of at least a “C” in all major and minor courses required for degree completion.

## SBI Graduation Requirements

In addition to successfully completing all course requirements for the major, students graduating with a degree from the School of Business and Industry must meet all requirements listed below for graduation:

1. Attain an overall GPA of 2.00 or higher on all courses attempted.
2. Attain a GPA of 2.00 or higher on all courses attempted at JSU.
3. Attain a GPA of 2.00 or higher on all SBI core courses (See SBI Core Requirements above).<sup>1</sup>
4. Attain a GPA of 2.00 or higher on all SBI core courses at JSU.<sup>1</sup>
5. Earn a passing score on the English Competency Exam (ECE). Business students should then submit an Application for Degree to the Student Support Services Coordinator in the SBI Advising Center, Room 109 SBIC. Applied Engineering and Communication students should check with their departmental offices regarding their submission of the Application for Degree.
6. Complete the university approved Exit Exam. This is an assessment of students’ accomplishments in general education and also measures reasoning skills.
7. Complete the Major Field Assessment Business Test. This is an assessment tool that is used to measure students’ understanding of the basic business subject areas to include: accounting, economics, management, quantitative business analysis, finance, marketing, legal and social environment, and international studies.<sup>1</sup>

Students are encouraged to incorporate internships and practical field experiences in their degree plans. These field experiences may or may not be credit bearing, but are considered integral to the learning process. Students should consult their academic advisors for prior approval and guidance.

<sup>1</sup> For students pursuing a business major.

## Eligibility of Business Majors to Upper Division SBI Courses

In order to enroll in upper division (300 and 400 level) SBI courses, business students must have completed at least 50 semester hours to include:

Course	Title	Credits
ACC 200	Principles of Accounting I	3
ACC 210	Principles of Accounting II <sup>1</sup>	3
EC 221	Principles of Microeconomics <sup>1</sup>	3
EC 222	Principles of Macroeconomics <sup>1</sup>	3
MS 112	Precalculus Algebra	3
ST 260	Statistics/Quantitative Methods I	3
ST 261	Statistics/Quantitative Methods II <sup>1</sup>	3
Total Hours		21

<sup>1</sup> Students who are enrolled in ACC 210 Principles of Accounting II (3), EC 222 Principles of Macroeconomics (3) {having completed EC 221 Principles of Microeconomics (3)}, and/or ST 261 Statistics/Quantitative Methods II (3) may request special permission to enroll simultaneously in upper division SBI core courses. This permission, if granted, will be allowed only once per student; failure to successfully complete prerequisite courses will result in the student not being allowed to enroll in additional SBI core courses until such prerequisite course(s) have been successfully completed.

In order to enroll in major courses, students must have completed all requirements for the upper division eligibility and be reclassified from “Undecided-MGMT.”

## Eligibility of Non-Business Majors to Upper Division SBI Courses

Non-business majors having completed at least 50 semester hours may be eligible for upper division courses if they have met all prerequisites for each course. Others may be admitted only with the written permission of the appropriate department head.

Note: FIN 311 Personal Financial Planning (3), FIN 341 Principles of Real Estate (3), FIN 343 Real Estate Appraisal (3), and FIN 344 Legal Aspects of Real Estate (3) are exceptions to the requirements stated above; these courses are open to all students. FIN 343 Real Estate Appraisal (3) and FIN 344 Legal Aspects of Real Estate (3) require FIN 341 Principles of Real Estate (3) as a prerequisite.

## Minors

Minors in business related areas are not available as part of the regular 120 hour degree program to students earning a Bachelor of Science degree in accounting, business economics, finance, management, or marketing. At least six (6) credits toward completion of a minor must be taken at JSU. **All course prerequisites stated in the course descriptions in this catalog must be met.**

## Department of Finance, Economics and Accounting

Department Head: Dr. William A. Scroggins, Jr.

**4104 School of Business and Industry Complex (SBI)**

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**Professor and Eminent Scholar**

Clayton, Ronnie J. (p. 180)

**Professor**

Behler, John M. (p. 179)

Bennett, Doris (p. 179)

Carter, Michael Shawn (p. 180)

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**Associate Professor**

Boozer, Benjamin (p. 179)

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**Assistant Professor**

Hankins, William (p. 183)

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**Instructor**

Staples, Julie A. (p. 190)

**Accounting (Bachelor of Science)**

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
History <sup>2</sup>		3
CBA 115	Business Fundamentals/Orientation	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3
Fine Arts and Humanities <sup>3</sup>		3
Hours		13
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>4</sup>		3
ST 261	Statistics/Quantitative Methods II	3
FIN 292	Legal and Social Environment	3
EC 221	Principles of Microeconomics	3
ACC 200	Principles of Accounting I	3
Hours		15
<b>Spring</b>		
Literature <sup>4</sup>		3
Select one of the following: <sup>5</sup>		3
PSY 201	Principles of Psychology	
SY 221	Introduction to Sociology	
AN 224	Introduction to Anthropology	
EC 222	Principles of Macroeconomics	3
ACC 210	Principles of Accounting II	3
CS 201 or CS 230	Introduction to Information Technology or Fundamentals of Computing	3
Hours		15
Total Hours		59

<sup>1</sup> Eight credits of science, with corresponding labs, are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).

<sup>2</sup> Students must take HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3). (Note: Students may take a second literature course in lieu of a second history course.)

<sup>3</sup> Students must select from the following classes: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

<sup>4</sup> Students must select from the following literature classes: EH 201 American Literature I (3) and EH 202 American Literature II (3), or EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), or EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Note: Students may take a second history course in lieu of a second literature course.)

<sup>5</sup> Students may use any of the three options to satisfy this requirement; however, PSY 201 Principles of Psychology (3) is preferred.

Course	Title	Hours
<b>Junior</b>		
<b>Fall</b>		
ACC 301	Accounting Information Systems	3
ACC 310	Financial Accounting I	3
CS 305	Spreadsheet Modeling	3
EH 141	Oral Communication	3
MGT 301	Principles of Management	3
FIN 301	Business Finance	3
Hours		18
<b>Spring</b>		
ACC 360	Financial Accounting II	3
MGT 305	Organizational Behavior	3
MKT 301	Principles of Marketing	3
CBA 350	Business Communications	3
CBA 390	Operations Management	3
Hours		15
<b>Senior</b>		
<b>Fall</b>		
ACC 372	Income Tax Accounting	3
ACC 477	Auditing	3
IME 375	Introduction to e-Commerce	3
CBA 396	International Business	3
Select one of the following:		3
EC 303	Money and Banking	
EC 321	Intermediate Microeconomics	
EC 322	Intermediate Macroeconomics	
Hours		15
<b>Spring</b>		
ACC 371	Cost Accounting	3
CBA 469	Business Policy and Strategy	3
Accounting Electives <sup>6</sup>		6
General Elective		1
Hours		13
Total Hours		61

<sup>6</sup> Any Accounting course not already used to meet program requirements may be used to meet Accounting electives. FIN 300 Business Law (3) may also be used to meet an Accounting elective.

## CPA Examination Requirements

To be eligible for an initial sitting for the uniform written Certified Public Accountant Examination in Alabama, a person must have completed a total of 120 semester hours of postsecondary education, including a baccalaureate degree at an accredited college or university. This education must include a major /concentration in accounting. Details of the requirements may be found at: <http://www.alabamaadministrativecode.state.al.us/docs/acc/30-X-4.pdf>.

Students who desire to be a CPA in Alabama should consult with the associate dean/MBA director for assistance in planning a course of study that includes the appropriate additional undergraduate or graduate coursework.

## Business Economics (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
History <sup>2</sup>		3
CBA 115	Business Fundamentals/Orientation	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3
Fine Arts and Humanities <sup>3</sup>		3
Hours		13
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>4</sup>		3
ST 261	Statistics/Quantitative Methods II	3
FIN 292	Legal and Social Environment	3
EC 221	Principles of Microeconomics	3
ACC 200	Principles of Accounting I	3
Hours		15
<b>Spring</b>		
Literature <sup>4</sup>		3
Select one of the following: <sup>5</sup>		3
PSY 201	Principles of Psychology	
SY 221	Introduction to Sociology	
AN 224	Introduction to Anthropology	
EC 222	Principles of Macroeconomics	3
ACC 210	Principles of Accounting II	3
CS 201	Introduction to Information Technology	3
or CS 230	or Fundamentals of Computing	
Hours		15
Total Hours		59

<sup>1</sup> Eight credits of science, with corresponding labs, are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).

<sup>2</sup> Students must take HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3). (Note: Students may take a second literature course in lieu of a second history course.)

<sup>3</sup> Students must select from the following classes: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

<sup>4</sup> Students must select from the following literature classes: EH 201 American Literature I (3) and EH 202 American Literature II (3), or EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), or EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Note: Students may take a second history course in lieu of a second literature course.)

<sup>5</sup> Students may use any of the three options to satisfy this requirement; however, PSY 201 Principles of Psychology (3) is preferred.

Course	Title	Hours
<b>Junior</b>		
<b>Fall</b>		
EC 321	Intermediate Microeconomics	3
EH 141	Oral Communication	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
CBA 396	International Business	3
Hours		15
<b>Spring</b>		
EC 322	Intermediate Macroeconomics	3
Economics Elective <sup>6</sup>		3
FIN 301	Business Finance	3
CBA 390	Operations Management	3
MGT 305	Organizational Behavior	3
CBA 350	Business Communications	3
Hours		18
<b>Senior</b>		
<b>Fall</b>		
Economics Electives <sup>6</sup>		3
EC 303	Money and Banking	3
General Electives <sup>6</sup>		4
IME 375	Introduction to e-Commerce	3
Hours		13
<b>Spring</b>		
EC 463	Senior Seminar in Economics	3
Economics Electives <sup>6</sup>		3
CBA 469	Business Policy and Strategy	3
EC 450	International Economics	3
General Electives		3
Hours		15
Total Hours		61

<sup>6</sup> Any Economics course not already used to meet program requirements may be used to meet Economics electives. Six credits of economics electives may be taken from Finance courses numbered 300 or above and/or the following courses. All course prerequisites must be met.  
CBA 300 American Business Enterprise (3), IME 380 Project Management (3), IME 420 Virtual Enterprises (3), MGT 330 Entrepreneurship (3)

## Economics with Approved Minor (Bachelor of Arts)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
Fine Arts and Humanities <sup>2</sup>		3
History <sup>3</sup>		3
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3
Social/Behavioral Science <sup>4</sup>		3
Hours		13
<b>Sophomore</b>		
<b>Fall</b>		
EC 221	Principles of Microeconomics	3
Literature <sup>5</sup>		3
General Electives		3
Minor Course		3
Hours		12
<b>Spring</b>		
Literature <sup>5</sup>		3
EC 222	Principles of Macroeconomics	3
Minor Course		3
CS 201	Introduction to Information Technology	3
Social/Behavioral Science <sup>4</sup>		3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
Economics Electives		6
Minor Course		3
General Elective		3
EH 141	Oral Communication	3
EC 303	Money and Banking	3
Hours		18
<b>Spring</b>		
EC 321	Intermediate Microeconomics	3
Economics Elective		3
Minor Course		3
General Electives		7
Hours		16
<b>Senior</b>		
<b>Fall</b>		
EC 322	Intermediate Macroeconomics	3
Economics Electives		3
EC 310	Public Finance	3
Minor Course		5
General Elective		3
Hours		17
<b>Spring</b>		
EC 450	International Economics	3

Minor Course	3
General Electives/Minor Course	7
Hours	13
Total Hours	120

- Two semesters of science with corresponding labs are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).
- Fine Arts and Humanities—Select from the following: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).
- Students must select from HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3), or HY 201 American History I (3) and HY 202 American History II (3). (Students may take a second literature course in lieu of a second history course.)
- Social and Behavioral Science—Select from the following: AN 224 Introduction to Anthropology (3), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), SY 221 Introduction to Sociology (3).
- Literature—Select from the following: EH 201 American Literature I (3) and EH 202 American Literature II (3), EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Students may take a second history course in lieu of a second literature course.)

## Economics with Approved Minor - International Business (Bachelor of Arts)

Students interested in the Bachelor of Arts degree with a major in economics and a concentration in international business may substitute 12 hours of economics electives with the following 12 hours: PSC 232, CBA 396, FIN 434, and MKT 493.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
Fine Arts and Humanities <sup>2</sup>		3
History <sup>3</sup>		3
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3

Social/Behavioral Science <sup>4</sup>	3
Hours	13

### Sophomore

<b>Fall</b>		
EC 221	Principles of Microeconomics	3
Literature <sup>5</sup>		3
General Electives		3
Minor Course		3
Hours		12

### Spring

Literature <sup>5</sup>		3
EC 222	Principles of Macroeconomics	3
Minor Course		3
CS 201	Introduction to Information Technology	3
Social/Behavioral Science <sup>4</sup>		3
Hours		15

### Junior

<b>Fall</b>		
Minor Course		3
General Electives		3
CBA 396	International Business	3
PSC 232	Introduction to International Relations	3
EH 141	Oral Communication	3
EC 303	Money and Banking	3
Hours		18

### Spring

EC 321	Intermediate Microeconomics	3
Minor Course		3
FIN 434	International Finance <sup>6</sup>	3
General Electives		7
Hours		16

### Senior

<b>Fall</b>		
EC 322	Intermediate Macroeconomics	3
EC 310	Public Finance	3
MKT 493	International Marketing <sup>7</sup>	3
Minor Courses		5
General Electives		3
Hours		17

### Spring

EC 450	International Economics	3
Minor Course		3
General Electives/Minor Course		7
Hours		13
Total Hours		120

- Two semesters of science with corresponding labs are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).
- Fine Arts and Humanities—Select from the following: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).
- Students must select from HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3), or HY 201 American History I (3) and HY 202 American History II (3). (Students may take a second literature course in lieu of a second history course.)



- 4 Social and Behavioral Science—Select from the following: AN 224 Introduction to Anthropology (3), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), SY 221 Introduction to Sociology (3).
- 5 Literature—Select from the following: EH 201 American Literature I (3) and EH 202 American Literature II (3), EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Students may take a second history course in lieu of a second literature course.)
- 6 Requires FIN 301 as a prerequisite.
- 7 Requires MKT 301 as a prerequisite.

## Economics with Approved Minor - Urban Economics/Real Estate Development (Bachelor of Arts)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
Fine Arts and Humanities <sup>2</sup>		3
History <sup>3</sup>		3
	Hours	16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3
Social/Behavioral Science <sup>4</sup>		3
	Hours	13
<b>Sophomore</b>		
<b>Fall</b>		
EC 221	Principles of Microeconomics	3
Literature <sup>5</sup>		3
General Electives		3
FIN 341	Principles of Real Estate	3
	Hours	12
<b>Spring</b>		
Literature <sup>5</sup>		3
EC 222	Principles of Macroeconomics	3
CS 201	Introduction to Information Technology	3
FIN 343	Real Estate Appraisal	3
Social/Behavioral Science <sup>4</sup>		3
	Hours	15
<b>Junior</b>		
<b>Fall</b>		
Economics Electives		6
General Elective		3
FIN 344	Legal Aspects of Real Estate	3
EH 141	Oral Communication	3

EC 303	Money and Banking	3
	Hours	18
<b>Spring</b>		
EC 321	Intermediate Microeconomics	3
Economics Elective		3
General Electives		7
MKT 301	Principles of Marketing	3
	Hours	16
<b>Senior</b>		
<b>Fall</b>		
EC 322	Intermediate Macroeconomics	3
Economics Electives		3
EC 310	Public Finance	3
General Elective		3
FIN 440	Real Estate Finance <sup>6</sup>	3
GY 431	Topics in Physical Geography	3
	Hours	18
<b>Spring</b>		
EC 450	International Economics	3
MKT 394	Retailing	3
EC 471	Urban Economics <sup>7</sup>	3
General Electives/Minor Course		4
	Hours	13
	Total Hours	121

- <sup>1</sup> Two semesters of science with corresponding labs are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).
- <sup>2</sup> Fine Arts and Humanities—Select from the following: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).
- <sup>3</sup> Students must select from HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3), or HY 201 American History I (3) and HY 202 American History II (3). (Students may take a second literature course in lieu of a second history course.)
- <sup>4</sup> Social and Behavioral Science—Select from the following: AN 224 Introduction to Anthropology (3), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), SY 221 Introduction to Sociology (3).
- <sup>5</sup> Literature—Select from the following: EH 201 American Literature I (3) and EH 202 American Literature II (3), EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Students may take a second history course in lieu of a second literature course.)
- <sup>6</sup> Requires FIN 301 Business Finance (3) as a prerequisite, and FIN 301 Business Finance (3) requires ACC 200 Principles of Accounting I (3) as a prerequisite.
- <sup>7</sup> Requires EC 221 Principles of Microeconomics (3) and EC 222 Principles of Macroeconomics (3) as prerequisites.

## Finance (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
History <sup>2</sup>		3
CBA 115	Business Fundamentals/Orientation	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3
Fine Arts and Humanities <sup>3</sup>		3
Hours		13
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>4</sup>		3
ST 261	Statistics/Quantitative Methods II	3
FIN 292	Legal and Social Environment	3
EC 221	Principles of Microeconomics	3
ACC 200	Principles of Accounting I	3
Hours		15
<b>Spring</b>		
Literature <sup>4</sup>		3
Select one of the following: <sup>5</sup>		3
PSY 201	Principles of Psychology	
SY 221	Introduction to Sociology	
AN 224	Introduction to Anthropology	
EC 222	Principles of Macroeconomics	3
ACC 210	Principles of Accounting II	3
CS 201 or CS 230	Introduction to Information Technology or Fundamentals of Computing	3
Hours		15
Total Hours		59

<sup>1</sup> Eight credits of science, with corresponding labs, are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).

<sup>2</sup> Students must take HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3). (Note: Students may take a second literature course in lieu of a second history course.)

<sup>3</sup> Students must select from the following classes: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

<sup>4</sup> Students must select from the following literature classes: EH 201 American Literature I (3) and EH 202 American Literature II (3), or EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), or EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Note: Students may take a second history course in lieu of a second literature course.)

<sup>5</sup> Students may use any of the three options to satisfy this requirement; however, PSY 201 Principles of Psychology (3) is preferred.

## Upper Division Program Requirements

Course	Title	Hours
<b>Junior</b>		
<b>Fall</b>		
CBA 396	International Business	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
IME 375	Introduction to e-Commerce	3
EH 141	Oral Communication	3
Hours		15
<b>Spring</b>		
FIN 441	Financial Management	3
Finance Electives <sup>6</sup>		3
MKT 301	Principles of Marketing	3
MGT 305	Organizational Behavior	3
CBA 390	Operations Management	3
Select one of the following:		3
EC 303	Money and Banking	
EC 321	Intermediate Microeconomics	
EC 322	Intermediate Macroeconomics	
Hours		18
<b>Senior</b>		
<b>Fall</b>		
Finance Electives <sup>6</sup>		3
FIN 474	Investments	3
FIN 475	Advanced Topics in Finance	3
General Electives		4
CBA 350	Business Communications	3
Hours		16
<b>Spring</b>		
FIN 434	International Finance	3
Finance Electives <sup>6</sup>		3
FIN 481	Seminar in Finance	3
CBA 469	Business Policy and Strategy	3
Hours		12
Total Hours		61

<sup>6</sup> Any Finance course not already used to meet program requirements may be used to meet Finance electives. The following courses may also be used to satisfy up to six credit hours of elective requirements for the Finance major. All prerequisites must be met. ACC 371 Cost Accounting (3), CBA 300 American Business Enterprise (3), EC 316 Managerial Economics (3), EC 321 Intermediate Microeconomics (3), EC 322 Intermediate Macroeconomics (3), EC 471 Urban Economics (3), EC 485 Field Experience (3), IME 380 Project Management (3), IME 420 Virtual Enterprises (3), MGT 330 Entrepreneurship (3) or MKT 361 Sales/Sales Force Management (3).

## Accounting Minor

A minor in Accounting consists of at least 18 hours of accounting courses, including:

Course	Title	Credits
ACC 200	Principles of Accounting I	3
ACC 210	Principles of Accounting II	3
ACC 301	Accounting Information Systems	3
ACC 310	Financial Accounting I	3
ACC 372	Income Tax Accounting	3
Select three additional hours of 300-400 level accounting courses.		3
Total Hours		18

## Business Economics Minor

A minor in Business Economics consists of at least 18 hours of Economics classes, including:

Course	Title	Credits
EC 221	Principles of Microeconomics	3
EC 222	Principles of Macroeconomics	3
EC 303	Money and Banking	3
EC 321	Intermediate Microeconomics	3
EC 322	Intermediate Macroeconomics	3
Select three additional hours of 300-400 level Economics electives		3
Total Hours		18

## Finance Minor

A minor in Finance consists of at least 18 hours of Finance courses, including:

Course	Title	Credits
FIN 301	Business Finance	3
FIN 441	Financial Management	3
FIN 474	Investments	3
Select nine additional hours of 300-400 level Finance electives		9
Total Hours		18

## International Business Minor

A minor in International Business consists of at least 21 hours, including:

Course	Title	Credits
CBA 396	International Business	3
FIN 301	Business Finance	3
FIN 434	International Finance	3
MKT 493	International Marketing <sup>1</sup>	3
EC 450	International Economics <sup>2</sup>	3
PSC 232	Introduction to International Relations	3
Select 3 hours of a foreign language		3
Total Hours		21

<sup>1</sup> requires MKT 301 Principles of Marketing (3) as a prerequisite

<sup>2</sup> requires EC 221 Principles of Microeconomics (3), EC 222 Principles of Macroeconomics (3) as prerequisites

This information is provided since these prerequisite courses are in addition to the actual requirements for the minor.

## Urban Economics/Real Estate Development Minor

A minor in Urban Economics/Real Estate Development consists of at least 24 hours, including:

Course	Title	Credits
FIN 341	Principles of Real Estate	3
FIN 343	Real Estate Appraisal	3
FIN 344	Legal Aspects of Real Estate	3
FIN 440	Real Estate Finance <sup>1</sup>	3
EC 471	Urban Economics <sup>2</sup>	3
MKT 301	Principles of Marketing	3
MKT 394	Retailing	3
GY 341	Economic Geography	3
Total Hours		24

<sup>1</sup> requires FIN 301 Business Finance (3) as a prerequisite, requires ACC 200 Principles of Accounting I (3) as a prerequisite

<sup>2</sup> requires EC 221 Principles of Microeconomics (3), EC 222 Principles of Macroeconomics (3) as prerequisites

This information is provided since these prerequisite courses are in addition to the actual requirements for the minor.

## Department of Management and Marketing

Department Head: Dr. Brent J. Cunningham

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## Professor

Cunningham, Brent J. (p. 180)

Hearn, W. Mark (p. 183)

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## Associate Professor

Kim, Kihyun (p. 185)

Mertens, Dan (p. 187)

## Assistant Professor

Huang, Jianping (p. 184)

Kim, Chang-Hyun (p. 184)

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## Instructor

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Rainwater, Lenn (p. 189)

## Management (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
History <sup>2</sup>		3
CBA 115	Business Fundamentals/Orientation	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3
Fine Arts and Humanities <sup>3</sup>		3
Hours		13
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>4</sup>		3
ST 261	Statistics/Quantitative Methods II	3
FIN 292	Legal and Social Environment	3
EC 221	Principles of Microeconomics	3
ACC 200	Principles of Accounting I	3
Hours		15
<b>Spring</b>		
Literature <sup>4</sup>		3
Select one of the following: <sup>5</sup>		3
PSY 201	Principles of Psychology	
SY 221	Introduction to Sociology	
AN 224	Introduction to Anthropology	
EC 222	Principles of Macroeconomics	3
ACC 210	Principles of Accounting II	3

CS 201 or CS 230	Introduction to Information Technology or Fundamentals of Computing	3
Hours		15
Total Hours		59

- Eight credits of science, with corresponding labs, are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).
- Students must take HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3). (Note: Students may take a second literature course in lieu of a second history course.)
- Students must select from the following classes: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).
- Students must select from the following literature classes: EH 201 American Literature I (3) and EH 202 American Literature II (3), or EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), or EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Note: Students may take a second history course in lieu of a second literature course.)
- Students may use any of the three options to satisfy this requirement; however, PSY 201 Principles of Psychology (3) is preferred.

Course	Title	Hours
<b>Junior</b>		
<b>Fall</b>		
EH 141	Oral Communication	3
CBA 396	International Business	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
Hours		15
<b>Spring</b>		
MGT 372	The Dynamics of Organizations	3
MGT 305	Organizational Behavior	3
CBA 390	Operations Management	3
MGT 385	Human Resource Management	3
Select one of the following:		3
EC 303	Money and Banking	
EC 321	Intermediate Microeconomics	
EC 322	Intermediate Macroeconomics	
Hours		15
<b>Senior</b>		
<b>Fall</b>		
MGT 330	Entrepreneurship	3
IME 375	Introduction to e-Commerce	3
CBA 350	Business Communications	3
General Electives		3
Management Electives <sup>6</sup>		3
Hours		15
<b>Spring</b>		
CBA 469	Business Policy and Strategy	3

MGT 491	Management Seminar	3
Management Electives <sup>6</sup>		6
General Electives		4
Hours		16
Total Hours		61

<sup>6</sup> Any Management course not already used to meet program requirements may be used to meet the Management elective requirements. The following courses may also be used to satisfy up to 50 percent of elective requirements for the Management major. All prerequisites must be met.

EC 455 Sports Economics (3), FIN 300 Business Law (3), FIN 311 Personal Financial Planning (3), FIN 341 Principles of Real Estate (3), FIN 361 Bank Management (3), FIN 397 Financial Institutions and Markets (3), FIN 474 Investments (3), IME 380 Project Management (3), IME 420 Virtual Enterprises (3), IME 450 E-Commerce Information Management (3), CBA 300 American Business Enterprise (3), CBA 488 Small Business Experience (3) and all Marketing (MKT) courses 361 through 493 (excluding MKT 489).

## Management - Entrepreneurship (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
History <sup>2</sup>		3
CBA 115	Business Fundamentals/Orientation	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3
Fine Arts and Humanities <sup>3</sup>		3
Hours		13
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>4</sup>		3
ST 261	Statistics/Quantitative Methods II	3
FIN 292	Legal and Social Environment	3
EC 221	Principles of Microeconomics	3
ACC 200	Principles of Accounting I	3
Hours		15
<b>Spring</b>		
Literature <sup>4</sup>		3
Select one of the following: <sup>5</sup>		3
PSY 201	Principles of Psychology	
SY 221	Introduction to Sociology	
AN 224	Introduction to Anthropology	
EC 222	Principles of Macroeconomics	3
ACC 210	Principles of Accounting II	3

CS 201 or CS 230	Introduction to Information Technology or Fundamentals of Computing	3
Hours		15
Total Hours		59

- Eight credits of science, with corresponding labs, are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).
- Students must take HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3). (Note: Students may take a second literature course in lieu of a second history course.)
- Students must select from the following classes: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).
- Students must select from the following literature classes: EH 201 American Literature I (3) and EH 202 American Literature II (3), or EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), or EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Note: Students may take a second history course in lieu of a second literature course.)
- Students may use any of the three options to satisfy this requirement; however, PSY 201 Principles of Psychology (3) is preferred.

Course	Title	Hours
<b>Junior</b>		
<b>Fall</b>		
EH 141	Oral Communication	3
CBA 396	International Business	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
Hours		15
<b>Spring</b>		
MGT 372	The Dynamics of Organizations	3
MGT 305	Organizational Behavior	3
CBA 390	Operations Management	3
MGT 385	Human Resource Management	3
Select one of the following:		3
EC 303	Money and Banking	
EC 321	Intermediate Microeconomics	
EC 322	Intermediate Macroeconomics	
Hours		15
<b>Senior</b>		
<b>Fall</b>		
MGT 330	Entrepreneurship	3
IME 375	Introduction to e-Commerce	3
CBA 350	Business Communications	3
FIN 310	Entrepreneurial Finance	3
General Electives		3
Hours		15
<b>Spring</b>		
CBA 469	Business Policy and Strategy	3

CBA 487 or CBA 488	Seminar in Entrepreneurial Service Learning or Small Business Experience	3
MGT 491	Management Seminar	3
Management Electives <sup>6</sup>		3
General Electives		4
Hours		16
Total Hours		61

<sup>6</sup> Any Management course not already used to meet program requirements may be used to meet Management electives.

## Management - Human Resource Management (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
History <sup>2</sup>		3
CBA 115	Business Fundamentals/Orientation	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3
Fine Arts and Humanities <sup>3</sup>		3
Hours		13
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>4</sup>		3
ST 261	Statistics/Quantitative Methods II	3
FIN 292	Legal and Social Environment	3
EC 221	Principles of Microeconomics	3
ACC 200	Principles of Accounting I	3
Hours		15
<b>Spring</b>		
Literature <sup>4</sup>		3
Select one of the following: <sup>5</sup>		3
PSY 201	Principles of Psychology	
SY 221	Introduction to Sociology	
AN 224	Introduction to Anthropology	
EC 222	Principles of Macroeconomics	3
ACC 210	Principles of Accounting II	3
CS 201 or CS 230	Introduction to Information Technology or Fundamentals of Computing	3
Hours		15
Total Hours		59

<sup>1</sup> Eight credits of science, with corresponding labs, are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).

<sup>2</sup> Students must take HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3). (Note: Students may take a second literature course in lieu of a second history course.)

<sup>3</sup> Students must select from the following classes: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

<sup>4</sup> Students must select from the following literature classes: EH 201 American Literature I (3) and EH 202 American Literature II (3), or EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), or EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Note: Students may take a second history course in lieu of a second literature course.)

<sup>5</sup> Students may use any of the three options to satisfy this requirement; however, PSY 201 Principles of Psychology (3) is preferred.

Course	Title	Hours
<b>Junior</b>		
<b>Fall</b>		
EH 141	Oral Communication	3
CBA 396	International Business	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
Hours		15
<b>Spring</b>		
MGT 372	The Dynamics of Organizations	3
MGT 305	Organizational Behavior	3
CBA 390	Operations Management	3
MGT 385	Human Resource Management	3
Select one of the following:		3
EC 303	Money and Banking	
EC 321	Intermediate Microeconomics	
EC 322	Intermediate Macroeconomics	
Hours		15

<b>Senior</b>		
<b>Fall</b>		
IME 375	Introduction to e-Commerce	3
MGT 330	Entrepreneurship	3
MGT 389	Advanced Human Resource Management	3
CBA 350	Business Communications	3
General Electives		3
Hours		15

<b>Spring</b>		
CBA 469	Business Policy and Strategy	3
MGT 491	Management Seminar	3
General Electives		4
Select two of the following Management electives:		6
MGT 422	Seminar in Human Resource Management	
MGT 468	Compensation Management	

MGT 489	Management Internship	
MGT 490	Collective Bargaining	
	Hours	16
	Total Hours	61

## Management - Information Management/E-Commerce (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
History <sup>2</sup>		3
CBA 115	Business Fundamentals/Orientation	3
STU 101	First Year Experience	0
	Hours	16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3
Fine Arts and Humanities <sup>3</sup>		3
	Hours	13
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>4</sup>		3
ST 261	Statistics/Quantitative Methods II	3
FIN 292	Legal and Social Environment	3
EC 221	Principles of Microeconomics	3
ACC 200	Principles of Accounting I	3
	Hours	15
<b>Spring</b>		
Literature <sup>4</sup>		3
Select one of the following: <sup>5</sup>		3
PSY 201	Principles of Psychology	
SY 221	Introduction to Sociology	
AN 224	Introduction to Anthropology	
EC 222	Principles of Macroeconomics	3
ACC 210	Principles of Accounting II	3
CS 201 or CS 230	Introduction to Information Technology or Fundamentals of Computing	3
	Hours	15
	Total Hours	59

<sup>1</sup> Eight credits of science, with corresponding labs, are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).

- <sup>2</sup> Students must take HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3). (Note: Students may take a second literature course in lieu of a second history course.)
- <sup>3</sup> Students must select from the following classes: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).
- <sup>4</sup> Students must select from the following literature classes: EH 201 American Literature I (3) and EH 202 American Literature II (3), or EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), or EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Note: Students may take a second history course in lieu of a second literature course.)
- <sup>5</sup> Students may use any of the three options to satisfy this requirement; however, PSY 201 Principles of Psychology (3) is preferred.

Course	Title	Hours
<b>Junior</b>		
<b>Fall</b>		
EH 141	Oral Communication	3
CBA 396	International Business	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
	Hours	15
<b>Spring</b>		
MGT 372	The Dynamics of Organizations	3
MGT 305	Organizational Behavior	3
CBA 390	Operations Management	3
MGT 385	Human Resource Management	3
Select one of the following:		3
EC 303	Money and Banking	
EC 321	Intermediate Microeconomics	
EC 322	Intermediate Macroeconomics	
	Hours	15
<b>Senior</b>		
<b>Fall</b>		
MGT 330	Entrepreneurship	3
IME 375	Introduction to e-Commerce	3
CBA 350	Business Communications	3
IME 380	Project Management	3
General Electives		3
	Hours	15
<b>Spring</b>		
CBA 469	Business Policy and Strategy	3
MGT 491	Management Seminar	3
General Electives		4
Select two of the following:		6
IME 420	Virtual Enterprises	
IME 450	E-Commerce Information Management	
IME 451	E-Commerce Applications	
CS 305	Spreadsheet Modeling	
	Hours	16
	Total Hours	61

## Marketing (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Science <sup>1</sup>		4
MS 112	Precalculus Algebra	3
History <sup>2</sup>		3
CBA 115	Business Fundamentals/Orientation	3
STU 101	First Year Experience	0
	Hours	16
<b>Spring</b>		
EH 102	English Composition	3
Science <sup>1</sup>		4
ST 260	Statistics/Quantitative Methods I	3
Fine Arts and Humanities <sup>3</sup>		3
	Hours	13
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>4</sup>		3
ST 261	Statistics/Quantitative Methods II	3
FIN 292	Legal and Social Environment	3
EC 221	Principles of Microeconomics	3
ACC 200	Principles of Accounting I	3
	Hours	15
<b>Spring</b>		
Literature <sup>4</sup>		3
Select one of the following: <sup>5</sup>		3
PSY 201	Principles of Psychology	
SY 221	Introduction to Sociology	
AN 224	Introduction to Anthropology	
EC 222	Principles of Macroeconomics	3
ACC 210	Principles of Accounting II	3
CS 201 or CS 230	Introduction to Information Technology or Fundamentals of Computing	3
	Hours	15
	Total Hours	59

<sup>1</sup> Eight credits of science, with corresponding labs, are required. Select from the following: BY 101 Introductory Biology I (3), BY 102 Introductory Biology II (3); CY 105 General Chemistry I (3), CY 106 General Chemistry II (3); GL 241 Physical Geology (3), GL 242 Historical Geology (3); PHS 201 College Physics I (3), PHS 202 College Physics II (3); GY 250 Physical Geography I: Atmospheric Patterns and Processes (3), GY 251 Physical Geography II: Landscape Patterns and Processes (3).

<sup>2</sup> Students must take HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3). (Note: Students may take a second literature course in lieu of a second history course.)

<sup>3</sup> Students must select from the following classes: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

<sup>4</sup> Students must select from the following literature classes: EH 201 American Literature I (3) and EH 202 American Literature II (3), or EH 203 Survey of English Literature I (3) and EH 204 Survey of English Literature II (3), or EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3), or EH 231 World Literature I (3) and EH 232 World Literature II (3). (Note: Students may take a second history course in lieu of a second literature course.)

<sup>5</sup> Students may use any of the three options to satisfy this requirement; however, PSY 201 Principles of Psychology (3) is preferred.

Course	Title	Hours
<b>Junior</b>		
<b>Fall</b>		
EH 141	Oral Communication	3
CBA 396	International Business	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
	Hours	15
<b>Spring</b>		
MKT 378	Consumer Behavior	3
Marketing Electives <sup>6</sup>		3
MGT 305	Organizational Behavior	3
CBA 350	Business Communications	3
CBA 390	Operations Management	3
Select one of the following:		3
EC 303	Money and Banking	
EC 321	Intermediate Microeconomics	
EC 322	Intermediate Macroeconomics	
	Hours	18
<b>Senior</b>		
<b>Fall</b>		
MKT 361	Sales/Sales Force Management	3
MKT 395	Business-To-Business Marketing	3
IME 375	Introduction to e-Commerce	3
Marketing Electives <sup>6</sup>		3
General Electives		4
	Hours	16
<b>Spring</b>		
CBA 469	Business Policy and Strategy	3
MKT 495	Marketing Strategy	3
MKT 497	Market Research	3
MKT 488	Advertising and Promotions	3
	Hours	12
	Total Hours	61

<sup>6</sup> Any Marketing course not already used to meet program requirements may be used to meet Marketing electives. The following courses may also be used to satisfy up to 50 percent of elective requirements for the Marketing major. All prerequisites must be met.

EC 455 Sports Economics (3), FIN 300 Business Law (3), FIN 311 Personal Financial Planning (3), FIN 341 Principles of Real Estate (3), FIN 397 Financial Institutions and Markets (3), FIN 474 Investments (3), IME 380 Project Management (3), IME 420 Virtual Enterprises (3), IME 450 E-Commerce Information Management (3), CBA 488 Small Business Experience (3), and all Management (MGT) courses 330 through 496 (excluding MGT 489).



## Business Administration Minor

A minor in Business Administration consists of at least 25 hours, including:

Course	Title	Credits
ACC 200	Principles of Accounting I	3
ACC 210	Principles of Accounting II	3
FIN 292	Legal and Social Environment	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
MGT 305	Organizational Behavior	3
MKT 301	Principles of Marketing	3
ST 260	Statistics/Quantitative Methods I	3
Total Hours		24

This minor is not open to business majors; the BA in economics is the only exception to this policy.

## Entrepreneurship Minor

A minor in Entrepreneurship consists of at least 18 hours, including:

Course	Title	Credits
FIN 292	Legal and Social Environment	3
FIN 310	Entrepreneurial Finance	3
MKT 301	Principles of Marketing	3
MGT 330	Entrepreneurship	3
IME 375	Introduction to e-Commerce	3
CBA 487 or CBA 488	Seminar in Entrepreneurial Service Learning Small Business Experience	3
Total Hours		18

## Information Management/E-Commerce Minor

A minor in Information Management/E-Commerce consists of at least 18 hours, including:

Course	Title	Credits
IME 375	Introduction to e-Commerce	3
IME 475	Current Issues in e-Commerce	3
EC 475	Economics of E-Commerce	3
MGT 301	Principles of Management	3
CS 400	Business Information Management	3
Select one of the following:		3
FIN 300	Business Law	
MKT 301	Principles of Marketing	
MGT 330	Entrepreneurship	
Total Hours		18

## Management Minor

A minor in Management consists of at least 18 hours of Management courses, including:

Course	Title	Credits
MGT 301	Principles of Management	3
MGT 305	Organizational Behavior	3
MGT 385	Human Resource Management	3
MGT 468 or MGT 490	Compensation Management Collective Bargaining	3
Select six additional hours of 300-400 level Management electives		6
Total Hours		18

## Marketing Minor

A minor in Marketing consists of at least 18 hours of Marketing courses, including:

Course	Title	Credits
MKT 301	Principles of Marketing	3
MKT 361	Sales/Sales Force Management	3
MKT 378	Consumer Behavior	3
MKT 395	Business-To-Business Marketing	3
MKT 495	Marketing Strategy	3
Select three additional hours of Marketing electives		3
Total Hours		18

## Department of Applied Engineering

Department Head: Mr. Chris Marker

153 Ayers Hall

Accredited by The Association of Technology, Management, and Applied Engineering

The Department of Applied Engineering offers a Bachelor of Science degree with a choice of majors for students desiring to pursue careers in applied engineering or management in industry. Additionally, the department offers a variety of minors and a two-year pre-engineering program for students planning to complete a traditional, professional engineering degree at another institution.

Courses leading to the Bachelor of Science degree are offered for the following majors:

- Applied Manufacturing Engineering (Design and Automation or Manufacturing Management)
- Applied Electronics Engineering
- Industrial Leadership
- Occupational Safety and Health Management

The department also offers a variety of minors to benefit students majoring in other fields.

Requirements for these comprehensive degree programs include 66-67 semester hours of major courses. Students completing these programs are not required to have a minor in another academic discipline. All of the degrees offered through the department focus on the technological needs of manufacturing industries and, as degree programs of study, are designed to prepare management-oriented technical professionals. Programs offered within the department involve:

- application of the knowledge and understanding of materials and production processes
- concepts of management and human relations
- safety
- quality
- communications
- electronics
- graphics
- mathematics
- physical sciences
- computer fundamentals in a problem-solving approach

Program graduates find employment opportunities in a variety of well-paid, professional positions.

The majors have unique provisions for persons already in the workforce and/or two-year college graduates who desire to continue their education and obtain a baccalaureate degree. Technical specialty credit (up to 36 semester hours) is awarded to students who have completed a diploma or associate degree from an approved technical, community, or junior college in an approved technical field. Technical specialty credit may also be awarded for approved management, supervisory, or technical work experience (three semester hours per year for a minimum of three years up to a maximum of six years), or approved professional certification programs. In no case will technical specialty credit awarded exceed 36 semester hours, and it will only be awarded to students pursuing a major that is offered by the Department of Applied Engineering.

High school students preparing for admission to the programs are encouraged to strengthen their background in mathematics and the physical sciences. Algebra, plane geometry, trigonometry, solid geometry, general science, physics, chemistry, and any advanced mathematics are all beneficial subjects for those wishing to study technology and engineering.

## Pre-Engineering

The two-year Pre-Engineering program offers a curriculum that will permit the majority of students to transfer with junior standing to most undergraduate engineering programs at other colleges and universities. A suggested pre-engineering program would include:

Course	Title	Credits
EH 101	English Composition	3
EH 102	English Composition	3
EH 141	Oral Communication	3
HY 101 & HY 102 or HY 201 & HY 202	Western Civilization I and Western Civilization II American History I and American History II	6
EC 221	Principles of Microeconomics	3
CY 105	General Chemistry I	3
CY 106	General Chemistry II	3
CY 107	General Chemistry Laboratory I	1
CY 108	General Chemistry Laboratory II	1
MS 125	Calculus I	4
MS 126	Calculus II	4
MS 227	Calculus III	4
MS 344	Differential Equations	3

PHS 211	Physics for Scientists and Engineers I	4
PHS 213	Elementary Physics Laboratory Techniques I	1
PHS 212	Physics for Scientists and Engineers II	4
PHS 214	Elementary Laboratory Techniques II	1
EG 121	Engineering Graphics I	4
EG 201	Applied Mechanics - Statics	3
EG 202	Applied Mechanics - Dynamics	3
EG 255	Engineering Computation	3

- Applied Electronics Engineering (Bachelor of Science) (p. 81)
- Applied Manufacturing Engineering - Design and Automation (Bachelor of Science) (p. 82)
- Applied Manufacturing Engineering - Manufacturing Management (Bachelor of Science) (p. 83)
- Industrial Leadership (Bachelor of Science) (p. 84)
- Occupational Safety and Health Management (Bachelor of Science) (p. 85)
- Applied Electronics Engineering Minor (p. 86)
- Design and Automation Minor (p. 86)
- Manufacturing Management Minor (p. 86)
- Occupational Safety and Health Management Minor (p. 86)

## Professor

Bekhouche, Nouredine (p. 179)

## Associate Professor

Godbey, Jessie (p. 182)

Ingalsbe, Dana (p. 184)

## Instructor

Marker, Michael C. (p. 186)

Sult, Teje H. (p. 191)

# Applied Electronics Engineering (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101 or HY 201	Western Civilization I <sup>1</sup> or American History I	3
AE 201	Microcomputers: Applications and Techniques	3
MS 125	Calculus I	4
Social/Behavioral Science <sup>2</sup>		3
STU 101	First Year Experience	0
		<b>Hours</b>
		16
<b>Spring</b>		
EH 102	English Composition	3
AE 210	Machining/Manufacturing Processes	3
AE 211	AC/DC Circuits	3

HY 102 or HY 202	Western Civilization II <sup>1</sup> or American History II	3
General Electives		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Natural Science <sup>3</sup>		4
General Electives		2
EG 255	Engineering Computation	3
EH 141	Oral Communication	3
AE 351	Computer-Aided Design II	4
Hours		16
<b>Spring</b>		
Natural Science <sup>3</sup>		4
Social/Behavioral Science <sup>2</sup>		3
Literature <sup>4</sup>		3
AE 343	Managing Engineering Technology	3
AE 380	Industrial Safety and Health	3
Hours		16
<b>Junior</b>		
<b>Fall</b>		
AE 225	Electronic Devices I	4
AE 311	Electronics - Digital	4
AE 317 or AE 366	Industrial Networking I <sup>5</sup> or Control Systems Technology	3
AE 252	Programmable Controllers	3
AE 344	Manufacturing Cost Analysis	3
Hours		17
<b>Spring</b>		
Literature <sup>4</sup>		3
EH 322	Technical Writing	3
AE 451 or AE 427	Advanced Programmable Controllers <sup>5</sup> or Industrial Networking III	3
Fine Arts <sup>6</sup>		3
Select one of the following:		3
AE 326 & AE 327	Electronic Devices II and Electronic Devices Lab	
AE 417	Industrial Networking II	
Hours		15
<b>Senior</b>		
<b>Fall</b>		
AE 371	Quality Control in Industry	3
AE 416 or AE 429	Manufacturing Automation and Robotics <sup>5</sup> or Applied Digital Communications Systems	3
AE 370	Continuous Quality Improvement	3
Applied Engineering Electives		6
Hours		15
<b>Spring</b>		
AE 316	Advanced Electronics	4
AE 493	Senior Seminar	1
AE 494	Industrial Internship	2
General Electives		10
Hours		17
Total Hours		128

Students will be required in their senior year to take a professional certification exam to meet graduation requirements.

<sup>1</sup> Select one complete sequence: HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).

<sup>2</sup> Select from: AN 224 Introduction to Anthropology (3), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), SY 221 Introduction to Sociology (3), EC 222 Principles of Macroeconomics (3).

<sup>3</sup> Select from: CY 105 General Chemistry I (3), CY 106 General Chemistry II (3), CY 107 General Chemistry Laboratory I (1), and CY 108 General Chemistry Laboratory II (1) or PHS 201 College Physics I (3), PHS 202 College Physics II (3), PHS 203 College Physics Laboratory Techniques I (1), and PHS 204 College Physics Laboratory Techniques II (1).

<sup>4</sup> Select from: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), EH 232 World Literature II (3).

<sup>5</sup> See advisor for approval.

<sup>6</sup> Select from: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

## Applied Manufacturing Engineering - Design and Automation (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101 or HY 201	Western Civilization I <sup>1</sup> or American History I	3
AE 201	Microcomputers: Applications and Techniques	3
MS 125	Calculus I	4
Social/Behavioral Science <sup>2</sup>		3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
AE 210	Machining/Manufacturing Processes	3
AE 211	AC/DC Circuits	3
HY 102 or HY 202	Western Civilization II <sup>1</sup> or American History II	3
General Electives		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Natural Science <sup>3</sup>		4
General Electives		2
Fine Arts <sup>4</sup>		3
EH 141	Oral Communication	3
AE 351	Computer-Aided Design II	4
Hours		16
<b>Spring</b>		
Natural Science <sup>3</sup>		4
Social/Behavioral Science <sup>2</sup>		3
Literature <sup>5</sup>		3

AE 343	Managing Engineering Technology	3
AE 380	Industrial Safety and Health	3
Hours		16
<b>Junior</b>		
<b>Fall</b>		
EG 255	Engineering Computation	3
AE 252	Programmable Controllers	3
AE 361	Materials and Processes of Industry	3
AE 366	Control Systems Technology	3
AE 370	Continuous Quality Improvement0	3
General Electives		1
Hours		16
<b>Spring</b>		
AE 371	Quality Control in Industry	3
EH 322	Technical Writing	3
AE 355	Introduction to Pro-E	3
AE 451	Advanced Programmable Controllers	3
AE 365	Strength of Industrial Materials	3
General Elective		1
Hours		16
<b>Senior</b>		
<b>Fall</b>		
AE 416	Manufacturing Automation and Robotics	3
AE 344	Manufacturing Cost Analysis	3
Literature <sup>5</sup>		3
General Electives		4
Design and Automation Elective		3
Hours		16
<b>Spring</b>		
AE 460	Computer-aided Manufacturing	3
AE 440	Manufacturing Management Systems	3
AE 493	Senior Seminar	1
AE 494	Industrial Internship	2
General Electives		7
Hours		16
Total Hours		128

Students will be required in their senior year to take a professional certification exam to meet graduation requirements.

<sup>1</sup> Select one complete sequence: HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).

<sup>2</sup> Select from: AN 224 Introduction to Anthropology (3), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), SY 221 Introduction to Sociology (3), EC 222 Principles of Macroeconomics (3).

<sup>3</sup> Select from: CY 105 General Chemistry I (3), CY 106 General Chemistry II (3), CY 107 General Chemistry Laboratory I (1), and CY 108 General Chemistry Laboratory II (1) or PHS 201 College Physics I (3), PHS 202 College Physics II (3), PHS 203 College Physics Laboratory Techniques I (1), and PHS 204 College Physics Laboratory Techniques II (1).

<sup>4</sup> Select from: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

<sup>5</sup> Select from: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).

## Applied Manufacturing Engineering - Manufacturing Management (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101 or HY 201	Western Civilization I <sup>1</sup> or American History I	3
AE 201	Microcomputers: Applications and Techniques	3
MS 125	Calculus I	4
Social/Behavioral Science <sup>2</sup>		3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
AE 210	Machining/Manufacturing Processes	3
AE 211	AC/DC Circuits	3
HY 102 or HY 202	Western Civilization II <sup>1</sup> or American History II	3
General Electives		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Natural Science <sup>3</sup>		4
General Electives		2
Fine Arts <sup>4</sup>		3
EH 141	Oral Communication	3
AE 351	Computer-Aided Design II	4
Hours		16
<b>Spring</b>		
Natural Science <sup>3</sup>		4
Social/Behavioral Science <sup>2</sup>		3
Literature <sup>5</sup>		3
AE 343	Managing Engineering Technology	3
AE 380	Industrial Safety and Health	3
Hours		16
<b>Junior</b>		
<b>Fall</b>		
AE 307	Industrial Training	3
AE 330	Production and Inventory Control	3
AE 361	Materials and Processes of Industry	3
AE 366	Control Systems Technology	3
AE 370	Continuous Quality Improvement0	3
General Elective		1
Hours		16
<b>Spring</b>		
AE 371	Quality Control in Industry	3
EH 322	Technical Writing	3

AE 342	Employer-Employee Relations	3
AE 484	Industrial Ergonomics	3
AE 440	Manufacturing Management Systems	3
General Elective		1
Hours		16
<b>Senior</b>		
<b>Fall</b>		
AE 441	Project Management	3
AE 341	Motion and Time Study	3
AE 344	Manufacturing Cost Analysis	3
Literature <sup>5</sup>		3
General Electives		4
Hours		16
<b>Spring</b>		
AE 485	Industrial Safety Management	3
AE 442	Facilities Planning	3
AE 493	Senior Seminar	1
AE 494	Industrial Internship	2
General Electives		7
Hours		16
Total Hours		128

Students will be required in their senior year to take a professional certification exam to meet graduation requirements.

<sup>1</sup> Select one complete sequence: HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).

<sup>2</sup> Select from: AN 224 Introduction to Anthropology (3), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), SY 221 Introduction to Sociology (3), EC 222 Principles of Macroeconomics (3).

<sup>3</sup> Select from: CY 105 General Chemistry I (3), CY 106 General Chemistry II (3), CY 107 General Chemistry Laboratory I (1), and CY 108 General Chemistry Laboratory II (1) or PHS 201 College Physics I (3), PHS 202 College Physics II (3), PHS 203 College Physics Laboratory Techniques I (1), and PHS 204 College Physics Laboratory Techniques II (1).

<sup>4</sup> Select from: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

<sup>5</sup> Select from: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), EH 232 World Literature II (3).

## Industrial Leadership (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101 or HY 201	Western Civilization I <sup>1</sup> or American History I	3

AE 201	Microcomputers: Applications and Techniques	3
MS 112	Precalculus Algebra	3
Social/Behavioral Science <sup>2</sup>		3
General Elective		1
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
AE 210	Machining/Manufacturing Processes	3
AE 207 or AE 211	Electrical, Fluid Power, and Mechanical Systems or AC/DC Circuits	3
HY 102 or HY 202	Western Civilization II <sup>1</sup> or American History II	3
General Electives		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Natural Science <sup>3</sup>		4
Literature <sup>4</sup>		3
Fine Arts <sup>5</sup>		3
EH 141	Oral Communication	3
General Electives		3
Hours		16
<b>Spring</b>		
Natural Science <sup>3</sup>		4
Literature <sup>4</sup>		3
Social/Behavioral Science <sup>2</sup>		3
AE 370	Continuous Quality Improvement <sup>0</sup>	3
AE 380	Industrial Safety and Health	3
Hours		16
<b>Junior</b>		
<b>Fall</b>		
Applied Engineering 300+ Electives <sup>6</sup>		6
AE 305	Industrial Leadership	3
AE 344	Manufacturing Cost Analysis	3
AE 371	Quality Control in Industry	3
General Elective		1
Hours		16
<b>Spring</b>		
AE 405	Industrial Leadership II	3
AE 342	Employer-Employee Relations	3
AE 343	Managing Engineering Technology	3
EH 322	Technical Writing	3
Applied Engineering 300+ Electives <sup>6</sup>		4
Hours		16
<b>Senior</b>		
<b>Fall</b>		
Applied Engineering 300+ Electives <sup>6</sup>		3
AE 407	Industrial Organization and Function	3
AE 485	Industrial Safety Management	3
General Electives		7
Hours		16
<b>Spring</b>		
AE 491	Industrial Leadership Seminar	3
Applied Engineering Electives <sup>6</sup>		8
General Electives		5
Hours		16
Total Hours		128

Students will be required in their senior year to take a professional certification exam to meet graduation requirements.

- <sup>1</sup> Select one complete sequence: HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).
- <sup>2</sup> Select from: AN 224 Introduction to Anthropology (3), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), SY 221 Introduction to Sociology (3), EC 222 Principles of Macroeconomics (3).
- <sup>3</sup> Select from: CY 105 General Chemistry I (3), CY 106 General Chemistry II (3), CY 107 General Chemistry Laboratory I (1), and CY 108 General Chemistry Laboratory II (1) or PHS 201 College Physics I (3), PHS 202 College Physics II (3), PHS 203 College Physics Laboratory Techniques I (1), and PHS 204 College Physics Laboratory Techniques II (1).
- <sup>4</sup> Select from: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), EH 232 World Literature II (3).
- <sup>5</sup> Select from: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).
- <sup>6</sup> See advisor for approval.

Literature <sup>5</sup>	3
Social/Behavioral Science <sup>2</sup>	3
AE 380	3
General Electives	3
Hours	16

**Junior**

**Fall**

AE 344	Manufacturing Cost Analysis	3
AE 370	Continuous Quality Improvement0	3
AE 392	Fire Safety Technology	3
Applied Engineering Electives		3
General Electives		4
Hours		16

**Spring**

AE 343	Managing Engineering Technology	3
AE 371	Quality Control in Industry	3
AE 382 or AE 384	Standards of Industrial Safety or Construction Safety	3
AE 307	Industrial Training	3
EH 322	Technical Writing	3
General Elective		1
Hours		16

**Senior**

**Fall**

AE 342	Employer-Employee Relations	3
AE 485	Industrial Safety Management	3
AE 390	Hazard Control Technology	3
AE 486	Safety Performance Management	3
AE 488	Industrial Hygiene	3
General Elective		1
Hours		16

**Spring**

AE 484	Industrial Ergonomics	3
AE 487	Systems Safety	3
AE 489	Hazardous Materials Technology	3
AE 493	Senior Seminar	1
AE 494	Industrial Internship	2
General Electives		4
Hours		16
Total Hours		128

Students will be required in their senior year to take a professional certification exam to meet graduation requirements.

- <sup>1</sup> Select one complete sequence: HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).
- <sup>2</sup> Select from: AN 224 Introduction to Anthropology (3), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), SY 221 Introduction to Sociology (3), EC 222 Principles of Macroeconomics (3).
- <sup>3</sup> See advisor for approval.
- <sup>4</sup> Select from: CY 105 General Chemistry I (3), CY 106 General Chemistry II (3), CY 107 General Chemistry Laboratory I (1), and CY 108 General Chemistry Laboratory II (1) or PHS 201 College Physics I (3), PHS 202 College Physics II (3), PHS 203 College Physics Laboratory Techniques I (1), and PHS 204 College Physics Laboratory Techniques II (1).

## Occupational Safety and Health Management (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101 or HY 201	Western Civilization I <sup>1</sup> or American History I	3
AE 201	Microcomputers: Applications and Techniques	3
MS 125	Calculus I	4
Social/Behavioral Science <sup>2</sup>		3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
AE 210	Machining/Manufacturing Processes	3
AE 207 or AE 211	Electrical, Fluid Power, and Mechanical Systems <sup>3</sup> or AC/DC Circuits	3
HY 102 or HY 202	Western Civilization II <sup>1</sup> or American History II	3
General Electives		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Natural Science <sup>4</sup>		4
Literature <sup>5</sup>		3
Fine Arts <sup>6</sup>		3
EH 141	Oral Communication	3
General Electives		3
Hours		16
<b>Spring</b>		
Natural Science <sup>4</sup>		4

<sup>5</sup> Select from: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), EH 232 World Literature II (3).

<sup>6</sup> Select from: ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

## Applied Electronics Engineering Minor

The minor in Applied Electronics Engineering requires a minimum of 20 semester hours consisting of:

Course	Title	Credits
AE 211	AC/DC Circuits	3
AE 225	Electronic Devices I	4
AE 252	Programmable Controllers	3
AE 311	Electronics - Digital	4
AE 317	Industrial Networking I	3
EG 255	Engineering Computation	3
Total Hours		20

## Design and Automation Minor

The minor in Design and Automation requires a minimum of 21 semester hours consisting of:

Course	Title	Credits
AE 210	Machining/Manufacturing Processes	3
AE 211	AC/DC Circuits	3
AE 252	Programmable Controllers	3
AE 351 or AE 355	Computer-Aided Design II Introduction to Pro-E	3
AE 361	Materials and Processes of Industry	3
AE 416	Manufacturing Automation and Robotics	3
AE 460	Computer-aided Manufacturing	3
Total Hours		21

## Manufacturing Management Minor

The minor in Manufacturing Management requires a minimum of 21 semester hours consisting of:

Course	Title	Credits
AE 210	Machining/Manufacturing Processes	3
AE 341	Motion and Time Study	3
AE 342	Employer-Employee Relations	3
AE 344	Manufacturing Cost Analysis	3
AE 371	Quality Control in Industry	3
AE 380	Industrial Safety and Health	3
AE 440	Manufacturing Management Systems	3
Total Hours		21

## Occupational Safety and Health Management Minor

The minor in Occupational Safety and Health Management requires a minimum of 21 semester hours consisting of:

Course	Title	Credits
AE 380	Industrial Safety and Health	3
AE 390	Hazard Control Technology	3
AE 392	Fire Safety Technology	3
AE 484	Industrial Ergonomics	3
AE 485	Industrial Safety Management	3
AE 488	Industrial Hygiene	3
AE 489	Hazardous Materials Technology	3
Total Hours		21

## Department of Communication

Department Head: TBA

181 Self Hall

Accredited by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

The Communication curriculum focuses on developing well-rounded communication professionals capable of interpreting and meeting the challenges of an exciting, ever-changing industry. The Information Age requires professionals who are capable of gathering and packaging information for multi-media formats. Media professionals need a broad background and general education, as well as hands-on skills with new technologies. The ability to express oneself effectively is particularly important for students in a communication program who hope to become working professionals in the various communications industries. Therefore, satisfactory speaking, writing, and computer skills are mandatory.

- Communication - Broadcasting (Bachelor of Arts) (p. 87)
- Communication - Digital Journalism (Bachelor of Arts) (p. 88)
- Communication - Public Relations (Bachelor of Arts) (p. 89)
- Communication Minor (p. 90)

## Professor

Harbor, Kingsley O. (p. 183)

Ihator, Augustine (p. 184)

## Associate Professor

McGrail, J. Patrick (p. 186)

## Assistant Professor

Shah, Sayyed Fawad Ali (p. 190)

## Instructor

Stedham, Mike (p. 190)

# Communication - Broadcasting (Bachelor of Arts)

The Bachelor of Arts degree in Communication is obtained by successfully completing 120 credit hours, with at least 72 hours outside the Communication major. Fifty-three (53) of those 72 hours must be courses in liberal arts and sciences. The program requirements include:

1. 53 hours within the general studies curriculum, including the following:
  - a. CS 201 Introduction to Information Technology (3)
  - b. CS 315 Intro to Web Design (3)
  - c. EH 141 Oral Communication (3)
  - d. six hours of a foreign language sequence
  - e. six hours of an English literature sequence
  - f. six hours of a history sequence
  - g. eight hours of a natural science sequence [which includes two (2) three-hour lecture courses with two corequisite one-hour labs]
  - h. three hours from ART 202 Art Appreciation (3), or DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3)
2. 45 hours in communication courses
3. 18 or more hours in a minor field
4. Electives

Students must maintain a minimum GPA of 2.00 and complete, with a minimum grade of “C,” all Department of Communication courses required for the degree. Students who make a grade of “D” or “F” in a communication course may repeat the course only once. A second “D” or “F” in the same course will exclude a student from majoring or minoring in communication.

A major in communication must include:

Course	Title	Credits
COM 200	Introduction to Mass Communication	3
COM 301	Introduction to Television Production	3
COM 325	Publication Design	3
COM 345	Social Media and Society	3
COM 375	Internet Production	3
COM 380	Communication Law	3
COM 385	Multimedia Design	3
COM 395	Ethics and Global Journalism	3
COM 415	Mass Communication Research	3
COM 491	Internship <sup>1, 2</sup>	3
<b>Total Hours</b>		<b>30</b>

<sup>1</sup> COM 491 Internship (3) is a required course for all communication majors. Before registering for COM 491 Internship (3), a student must have satisfactorily completed specific courses in his/her area of concentration.

<sup>2</sup> Each communication major should also complete a portfolio before graduation. To assess and improve its academic programs, the department must obtain periodic measurements of student learning. Such measures will include, among others, an exit exam and exit interview.

The concentration of Broadcasting and its requirements for internship are:

Course	Title	Credits
<b>Broadcasting</b>		
COM 205	Introduction to Broadcast Writing	3
COM 302	Introduction to Audio Production	3
COM 320	Video Production and Editing	3
COM 404	Media Workshop	1
COM 405	Media Workshop	1
COM 406	Media Workshop	1
COM 470	Advanced Electronic News	3
<b>Total Hours</b>		<b>15</b>

Students enrolling in COM 404 Media Workshop (1), COM 405 Media Workshop (1), COM 406 Media Workshop (1), COM 407 Advanced Media Workshop (1), COM 408 Advanced Media Workshop (1), COM 411 Advanced Media Workshop (1), COM 475 Directed Study (3), or COM 491 Internship (3) must apply for **eligibility** into those courses **no later** than the pre-registration period preceding the semester in which the courses will be taken. Three media workshops—COM 404 Media Workshop (1), COM 405 Media Workshop (1), and COM 406 Media Workshop (1) are required of all students in broadcasting and digital journalism, while the advanced media workshops—COM 407 Advanced Media Workshop (1), COM 408 Advanced Media Workshop (1), and COM 411 Advanced Media Workshop (1)—are optional.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History		3
MS 204 or MS 110	Basic Statistics or Finite Mathematics	3
Fine Arts		3
EH 141	Oral Communication	3
STU 101	First Year Experience	0
	<b>Hours</b>	<b>15</b>
<b>Spring</b>		
EH 102	English Composition	3
COM 200	Introduction to Mass Communication	3
History		3
COM 205	Introduction to Broadcast Writing	3
Natural Science		4
	<b>Hours</b>	<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
Literature		3
Natural Science		4
Social/Behavioral Science		3
COM 302	Introduction to Audio Production	3
COM 404	Media Workshop	1
Minor or General Electives		3
	<b>Hours</b>	<b>17</b>
<b>Spring</b>		
Literature		3



Social/Behavioral Science		3
COM 375	Internet Production	3
COM 301	Introduction to Television Production	3
COM 405	Media Workshop	1
CS 201	Introduction to Information Technology	3
	Hours	16
<b>Summer</b>		
COM 491	Internship <sup>1</sup>	3
	Hours	3
<b>Junior</b>		
<b>Fall</b>		
COM 380	Communication Law	3
CS 315	Intro to Web Design	3
COM 406	Media Workshop	1
Foreign Language 101		3
Minor or General Electives		5
	Hours	15
<b>Spring</b>		
COM 345	Social Media and Society	3
COM 320	Video Production and Editing (or interest area)	3
COM 415	Mass Communication Research	3
COM 325	Publication Design	3
Foreign Language 102		3
	Hours	15
<b>Senior</b>		
<b>Fall</b>		
COM 385	Multimedia Design	3
Minor or General Electives		9
COM 395	Ethics and Global Journalism	3
	Hours	15
<b>Spring</b>		
COM 470	Advanced Electronic News	3
Minor or General Electives		5
	Hours	8
	Total Hours	120

<sup>1</sup> *Following the above schedule, any student will be ready for internship upon completing the sophomore year.*

## Communication - Digital Journalism (Bachelor of Arts)

The Bachelor of Arts degree in Communication is obtained by successfully completing 120 credit hours, with at least 72 hours outside the Communication major. Fifty-three (53) of those 72 hours must be courses in liberal arts and sciences. The program requirements include:

1. 53 hours within the general studies curriculum, including the following:
  - a. CS 201 Introduction to Information Technology (3)
  - b. CS 315 Intro to Web Design (3)
  - c. EH 141 Oral Communication (3)
  - d. six hours of a foreign language sequence
  - e. six hours of an English literature sequence
  - f. six hours of a history sequence
  - g. eight hours of a natural science sequence [which includes two (2) three-hour lecture courses with two corequisite one-hour labs]
  - h. three hours from ART 202 Art Appreciation (3), or DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3)

2. 45 hours in communication courses
3. 18 or more hours in a minor field
4. Electives

Students must maintain a minimum GPA of 2.00 and complete, with a minimum grade of "C," all Department of Communication courses required for the degree. Students who make a grade of "D" or "F" in a communication course may repeat the course only once. A second "D" or "F" in the same course will exclude a student from majoring or minoring in communication.

A major in communication must include:

Course	Title	Credits
COM 200	Introduction to Mass Communication	3
COM 301	Introduction to Television Production	3
COM 325	Publication Design	3
COM 345	Social Media and Society	3
COM 375	Internet Production	3
COM 380	Communication Law	3
COM 385	Multimedia Design	3
COM 395	Ethics and Global Journalism	3
COM 415	Mass Communication Research	3
COM 491	Internship <sup>1, 2</sup>	3
<b>Total Hours</b>		<b>30</b>

- 1 COM 491 Internship (3), is a required course for all communication majors. Before registering for COM 491 Internship (3), a student must have satisfactorily completed specific courses in her/his area of concentration.
- 2 Each communication major should also complete a portfolio before graduation. To assess and improve its academic programs, the department must obtain periodic measurements of student learning. Such measures will include, among others, an exit exam and exit interview.

The concentration in Digital Journalism and its requirements for internship are:

Course	Title	Credits
<b>Digital Journalism</b>		
COM 315	Introduction to News	3
COM 404	Media Workshop	1
COM 405	Media Workshop	1
COM 406	Media Workshop	1
COM 410	Media Features	3
COM 420	Advanced Reporting	3
	Communication Elective	3
<b>Total Hours</b>		<b>15</b>

Students enrolling in COM 404 Media Workshop (1), COM 405 Media Workshop (1), COM 406 Media Workshop (1), COM 407 Advanced Media Workshop (1), COM 408 Advanced Media Workshop (1), COM 411 Advanced Media Workshop (1), COM 475 Directed Study (3), or COM 491 Internship (3) must apply for **eligibility** into those courses **no later** than the pre-registration period preceding the semester in which the courses will be taken. Three media workshops—COM 404 Media Workshop (1), COM 405 Media Workshop (1), and COM 406 Media Workshop (1) are required of all students in broadcasting and digital journalism, while the advanced media workshops—COM 407 Advanced Media Workshop

(1), COM 408 Advanced Media Workshop (1), and COM 411 Advanced Media Workshop (1)—are optional.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History		3
MS 204 or MS 110	Basic Statistics or Finite Mathematics	3
Fine Arts		3
EH 141	Oral Communication	3
STU 101	First Year Experience	0
Hours		15
<b>Spring</b>		
EH 102	English Composition	3
COM 200	Introduction to Mass Communication	3
History		3
Minor or General Electives		3
Natural Science		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Literature		3
Natural Science		4
Social/Behavioral Science		3
COM 315	Introduction to News	3
COM 404	Media Workshop	1
Minor or General Electives		3
Hours		17
<b>Spring</b>		
Literature		3
Social/Behavioral Science		3
COM 375	Internet Production	3
COM 301	Introduction to Television Production	3
COM 405	Media Workshop	1
CS 201	Introduction to Information Technology	3
Hours		16
<b>Summer</b>		
COM 491	Internship <sup>1</sup>	3
Hours		3
<b>Junior</b>		
<b>Fall</b>		
COM 380	Communication Law	3
COM 406	Media Workshop	1
CS 315	Intro to Web Design	3
Foreign Language 101		3
Minor or General Electives		5
Hours		15
<b>Spring</b>		
COM 345	Social Media and Society	3
COM 410	Media Features	3
COM 415	Mass Communication Research	3
COM 325	Publication Design	3
Foreign Language 102		3
Hours		15

**Senior**

<b>Fall</b>		
COM 385	Multimedia Design	3
Minor or General Electives		6
Communication Electives		3
COM 395	Ethics and Global Journalism	3
Hours		15
<b>Spring</b>		
COM 420	Advanced Reporting	3
Minor or General Electives		5
Hours		8
Total Hours		120

<sup>1</sup> **Following the above schedule, any student will be ready for internship upon completing the sophomore year.**

## Communication - Public Relations (Bachelor of Arts)

The Bachelor of Arts degree in Communication is obtained by successfully completing 120 credit hours, with at least 72 hours outside the Communication major. Fifty-three (53) of those 72 hours must be courses in liberal arts and sciences. The program requirements include:

1. 53 hours within the general studies curriculum, including the following:
  - a. CS 201 Introduction to Information Technology (3)
  - b. EH 141 Oral Communication (3)
  - c. six hours of a foreign language sequence
  - d. six hours of an English literature sequence
  - e. six hours of a history sequence
  - f. eight hours of a natural science sequence [which includes two (2) three-hour lecture courses with two corequisite one-hour labs]
  - g. three hours from ART 202 Art Appreciation (3), or DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3)
2. 45 hours in communication courses
3. 18 or more hours in a minor field
4. Electives

Students must maintain a minimum GPA of 2.00 and complete, with a minimum grade of “C,” all Department of Communication courses required for the degree. Students who make a grade of “D” or “F” in a communication course may repeat the course only once. A second “D” or “F” in the same course will exclude a student from majoring or minoring in communication.

A major in communication must include:

Course	Title	Credits
COM 200	Introduction to Mass Communication	3
COM 301	Introduction to Television Production	3
COM 325	Publication Design	3
COM 345	Social Media and Society	3
COM 375	Internet Production	3
COM 380	Communication Law	3
COM 385	Multimedia Design	3
COM 395	Ethics and Global Journalism	3
COM 415	Mass Communication Research	3

COM 491	Internship <sup>1,2</sup>	3
Total Hours		30

<sup>1</sup> COM 491 Internship (3), is a required course for all communication majors. Before registering for COM 491 Internship (3), a student must have satisfactorily completed specific courses in his/her area of concentration.

<sup>2</sup> Each communication major should also complete a portfolio before graduation. To assess and improve its academic programs, the department must obtain periodic measurements of student learning. Such measures will include, among others, an exit exam and exit interview.

The concentration of Public Relations and its requirements for internship are:

Course	Title	Credits
<b>Public Relations</b>		
COM 315	Introduction to News	3
COM 325	Publication Design	3
COM 330	Introduction to Public Relations	3
COM 340	Public Relations Writing	3
COM 440	Public Relations Campaign Management	3
Total Hours		15

Students enrolling in COM 404 Media Workshop (1), COM 405 Media Workshop (1), COM 406 Media Workshop (1), COM 407 Advanced Media Workshop (1), COM 408 Advanced Media Workshop (1), COM 411 Advanced Media Workshop (1), COM 475 Directed Study (3), or COM 491 Internship (3) must apply for **eligibility** into those courses **no later** than the pre-registration period preceding the semester in which the courses will be taken. Three media workshops—COM 404 Media Workshop (1), COM 405 Media Workshop (1), and COM 406 Media Workshop (1) are required of all students in broadcasting and digital journalism, while the advanced media workshops—COM 407 Advanced Media Workshop (1), COM 408 Advanced Media Workshop (1), and COM 411 Advanced Media Workshop (1)—are optional.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History		3
MS 204 or MS 110	Basic Statistics or Finite Mathematics	3
Fine Arts		3
EH 141	Oral Communication	3
STU 101	First Year Experience	0
Hours		15
<b>Spring</b>		
EH 102	English Composition	3
COM 200	Introduction to Mass Communication	3
History		3
Natural Science		4
Minor or General Electives		3
Hours		16

**Sophomore**

<b>Fall</b>		
Literature		3
Natural Science		4
Social/Behavioral Science		3
COM 315	Introduction to News	3
COM 330	Introduction to Public Relations (or interest area)	3
Hours		16

<b>Spring</b>		
Literature		3
Social/Behavioral Science		3
COM 375	Internet Production	3
COM 301	Introduction to Television Production	3
COM 340	Public Relations Writing	3
CS 201	Introduction to Information Technology	3
Hours		18

<b>Summer</b>		
COM 491	Internship <sup>1</sup>	3
Hours		3

<b>Junior</b>		
<b>Fall</b>		
COM 380	Communication Law	3
CS 315	Intro to Web Design	3
Foreign Language 101		
Minor or General Electives		6
Hours		12

<b>Spring</b>		
COM 345	Social Media and Society	3
COM 400	Public Relations Case Studies	3
COM 415	Mass Communication Research	3
Foreign Language 102		3
COM 325	Publication Design	3
Hours		15

<b>Senior</b>		
<b>Fall</b>		
COM 385	Multimedia Design	3
Minor or General Electives		9
COM 395	Ethics and Global Journalism	3
Hours		15

<b>Spring</b>		
COM 440	Public Relations Campaign Management	3
Minor or General Electives		4
Hours		7
Total Hours		117

<sup>1</sup> *Following the above schedule, any student will be ready for internship upon completing the sophomore year.*

## Communication Minor

A minor in Communication consists of 21 hours which includes:

Course	Title	Credits
COM 200	Introduction to Mass Communication	3
COM 205 or COM 315	Introduction to Broadcast Writing Introduction to News	3
COM 301 or COM 375	Introduction to Television Production Internet Production	3
COM 320 or COM 325	Video Production and Editing Publication Design	3

The remaining nine hours must be selected from any other Communication courses for which the student is qualified.	9
<hr/> Total Hours	<hr/> 21

Students cannot declare both a major and a minor in the Department of Communication.

# SCHOOL OF EDUCATION

Dean: Dr. Tommy Turner

Associate Dean: Dr. Janet Bavonese

211 Ramona Wood Hall

## Accreditations:

National Council for Accreditation of Teacher Education/Council for the Accreditation of Educator Preparation

Alabama State Department of Education

Accreditation Council for Education in Nutrition and Dietetics

American Association of Family and Consumer Sciences

Council for Accreditation of Counseling and Related Educational Programs

## Member of:

American Association of Colleges for Teacher Education

Alabama Association of Colleges for Teacher Education

The mission of the School of Education is to prepare students for successful careers in a variety of professions through innovative teaching methodologies in a learning-centered environment.

The uniqueness of the school is reflected through the diversity of programs and services. The programs in Education and Family and Consumer Sciences are designed to assist students in developing skills in critical thinking/problem solving, innovation/creativity, communication, and collaboration.

The School of Education offers programs that are nationally accredited. The Department of Family and Consumer Sciences is accredited by the *American Association of Family and Consumer Sciences (AAFCS)*. The dietetics program in Family and Consumer Sciences is accredited by the *Accreditation Council for Education in Nutrition and Dietetics (ACEND)*.

The counseling graduate programs in the Department of Counseling & Instructional Support are accredited by the *Council for Accreditation of Counseling & Related Educational Programs (CACREP)*. All teacher preparation and other school personnel programs (both initial and advanced) in the school are accredited by the *National Council for Accreditation of Teacher Education (NCATE)* and approved by the *Alabama State Department of Education (ALSDE)* and the *Alabama State Board of Education (ALSBOE)*. Students graduating from these professional education programs benefit from JSU's associate membership in the *National Association of State Directors of Teacher Education and Certification (NASDTEC)*, allowing transferability of teaching credentials.

Please consult the *Graduate Catalog* for details on Master of Science (MS), Master of Science in Education (MSE) and Educational Specialist (EdS) degree programs offered through the school.

## Honesty Policy Cheating

1. **Cheating: 1st Offense** - A student who cheats on an examination (or any other graded work) will receive a failing grade ("F") in the course.
2. **Cheating: 2nd Offense** - A student who cheats on an examination (or any other graded work) will be dismissed from the program of study and will not be allowed to enroll in any other programs of study in the School of Education at Jacksonville State University.

## Plagiarism

1. **Plagiarism: 1st Offense** - A student who plagiarizes will receive a failing grade ("F") in the course. In addition, the student will be required to complete a remedial seminar on plagiarism. Failure to do so will result in an automatic 2nd Offense.
2. **Plagiarism: 2nd Offense** - A student who plagiarizes a second time will be dismissed from the program of study and will not be allowed to enroll in any other program of study in the School of Education at Jacksonville State University.

## Teacher Candidate Disposition Assessment TCDA Policy

The JSU School of Education expects TC to demonstrate dispositions that contribute to the development and learning of all P-12 students. Dispositions refer to attributes and attitudes beyond academic abilities. In order to establish expectations and monitor TC in these areas, the TCDA is administered at selected program decision points, including prior to admission, during, and prior to completion of the JSU TEP. Faculty assess candidates at established program decision points on each of the following twelve indicators:

1. Communication
2. Punctuality
3. Professional Boundaries
4. Openness to Improvement
5. Self-Regulation
6. Personal Appearance and Hygiene
7. Leadership and Collaboration
8. Effective Facilitation
9. Assessment and Reflection
10. Diverse Learners and Environments
11. Ethics and Professional Responsibility
12. Reflective Mastery of Content

If a candidate is assessed as unacceptable or developing in any area, a Teacher Candidate Plan of Action (TCPoA) may be developed as a remediation step or the candidate may be removed from the TEP. The first six indicators (Communication, Punctuality, Professional Boundaries, Openness to Improvement, Self-Regulation, and Personal Appearance and Hygiene) are applicable in every course. The last six indicators (Leadership and Collaboration, Effective Facilitation, Assessment and Reflection, Diverse Learners and Environments, Ethics and Professional Responsibility and Reflective Mastery of Content) may not be observed in some courses. For all indicators, if there is no opportunity for the TC to demonstrate a disposition, the Not Applicable selection may be used. In addition to the selected program decision points, faculty, university supervisors, and cooperating teachers may complete the TCDA or TCPoA on a teacher candidate at any time.

## Notes:

1. It should be noted that the occurrence of cheating or plagiarism is cumulative, i.e., it carries over to any other course taught in the School of Education.

- If a student wishes to appeal at any level of the honesty policy, the student is to follow the School of Education grade appeal process.

## Grades Dismissal Policies (Teacher Education Programs)

- If a student receives consecutive grades of "D" or "F" (or any combination of "D" and "F" grades) in a "professional studies" course (or any course that requires eligibility to teacher education as a prerequisite), the student is dismissed from the program regardless of the grade point average (GPA). The only avenue for re-eligibility for TEP coursework is if the student employs the *academic forgiveness* policy removing one or more of the grades.
- If a student accumulates more than three (3) grades of "D" or "F" (or any combination of "D" and "F" grades) in "professional studies" courses (or any course that requires eligibility to teacher education as a prerequisite), the student is dismissed from the program regardless of the grade point average (GPA). The only avenue for re-eligibility for TEP coursework is if the student employs the *academic forgiveness* policy removing one or more of the grades.

## Required Grade Point Average (GPA) Information (Teacher Education Program)

A student applying for admission to Teacher Education must have a 2.75 Grade Point Average (GPA) in,

- overall course work,
- all courses in the teaching field, and
- all professional studies courses,

in order to be eligible for admission to any Teacher Education program. The student should seek to maintain at least a 2.75 in all areas, and **must** have a 2.75 in each of the three above-named areas in order to be eligible to graduate and apply for Alabama State Teacher Certification.

## Education Program Requirements

Lisa R. Light

Director of Teacher Education Services and  
Certification Officer

### I. Eligibility requirements for the Teacher Education Program

Teacher education programs are approved by the Alabama State Board of Education and are, therefore, subject to periodic revision resulting from changes in State certification requirements. Therefore, modifications in students' programs may become necessary at any time resulting in additions and/or deletions of program requirements. Issuance of Alabama teaching certificates is the legal responsibility of the Alabama State Department of Education. Universities cannot issue a professional certificate. To be eligible to apply for State certification, a student must complete an appropriate course of study at a college, school, or university which has been approved by the State Board of Education to offer a program leading to the desired State certificate. When a student completes the course of study, the institution recommends to the State Department of Education that the appropriate certificate be issued.

To enroll for professional education courses required for teacher certification, the prospective teacher must be eligible for the School of Education Teacher Education Program. Eligibility for this program is not automatic. To be eligible, the student must have met the minimum State Department of Education requirements, as well as our university

requirements. See Requirements for Admission section for university requirements.

Any questions regarding eligibility for the Teacher Education Program may be directed to the Director of Teacher Education Services, School of Education, Ramona Wood Hall, Room 207.

At the beginning of the sophomore year, students may seek eligibility for teacher education by filing an application to a specific program. The application form is available on the Teacher Education Services website (<http://www.jsu.edu/education/tes/index.html> (<http://www.jsu.edu/education/tes/>)).

All the following criteria must be met:

- The candidate must have earned a minimum of 54 semester hours of college credit in which at least 48 semester hours are in the general studies area.
- The candidate must complete a formal written application for admission to the Teacher Education Program.
- The candidate must have earned an overall Grade Point Average of 2.75 based upon a 4.00 scale, as well as a 2.75 in the chosen teaching field, and in all professional studies courses.
- Remedial courses cannot be used to meet approved program requirements or calculated to meet GPA requirements.
- The candidate must have successfully passed each of the three components of the ETS Praxis Core Academic Skills for Educators tests, as required by the *Alabama Educator Certification Assessment Program*. (AECAP).
- The candidate must receive one positive **Undergraduate Teacher Recommendation** evaluation from his/her ED 302 Introductory Foundations in Teacher Education (3) or MU 244 Introduction to Music Educ (2) instructor.
- The candidate must have successfully completed ED 302 Introductory Foundations in Teacher Education (3), which includes a tutoring component. Music Education candidates must have successfully completed MU 244 Introduction to Music Educ (2).
- The candidate must satisfactorily complete an interview to provide information of the applicant's personality, interests, dispositions, and aptitudes consistent with the requirements for a successful teaching career.
- The candidate must read and sign a Statement of Understanding.
- The candidate must provide documentation of a clear criminal history background check conducted through the Alabama State Department of Education.

### II. Graduation and Certification

Requirements for recommendation for a degree in education:

- The candidate must have met all general university and degree program requirements as outlined in the catalog in effect at the time of the student's eligibility for the Teacher Education Program.
- The candidate must satisfactorily complete the State-approved program with a minimum GPA of **2.75** overall (as confirmed on the transcript when the degree was granted), **2.75** in the teaching field, and **2.75** in professional studies courses with no grade below a C in professional studies courses.
- The candidate must have successfully completed the English Competency Exam.
- The candidate must have successfully completed the EPP Examination.

- The candidate must have met the Praxis Subject Assessment requirements of the AECAP.
- The candidate must have successfully passed edTPA, according to the Alabama State Department of Education requirements for initial certification.

### III. Application for State Certification

Requirements for Alabama Certification:

- Candidates are required to complete an application for Alabama Teacher Certification the last semester of course work (i.e., the internship semester). Instructions for completing the State certification form are found on Teacher Education Services website: [www.jsu.edu/education/tes/index.html](http://www.jsu.edu/education/tes/index.html) (<http://www.jsu.edu/education/tes/>). The appropriate fees (receipt from money order or cashier's check made payable to the Alabama State Department of Education) must be submitted with the State application for certification. The application for State certification, fee payment, and the candidate's transcript are forwarded to the State Department of Education. JSU cannot recommend any candidate for State certification that has not satisfied all Alabama and JSU requirements for eligibility to and completion of an approved program.
- The candidate must satisfactorily complete the State-approved program with a minimum GPA of **2.75** overall (as confirmed on the transcript when the degree was granted), **2.75** in the teaching field, and **2.75** in professional studies courses with no grade below a C in professional studies courses.
- The School of Education does not certify teachers. The sole authority to certify teachers rests with the appropriate state agency. The School of Education will recommend a candidate that has successfully completed an approved program within five years of completion. Recommendation after five years will require completion of the current program in place at the time of the request.
- Anyone convicted of a felony and/or misdemeanor other than a minor traffic violation may be denied State certification or have State certification revoked by the State Superintendent. Questions may be directed to the Director of Teacher Education Services, School of Education.
- Teacher Education Programs are approved by the Alabama State Board of Education and are, therefore, subject to periodic revision resulting from changes in State certification requirements. Therefore, modifications in a candidate's programs may become necessary.

**Brandy L. Russell**

**Assistant Director of Clinical Experiences**

### I. Practicum Requirements

The Alabama State Department of Education and the School of Education require that a candidate pursuing a degree in education must engage in extensive practicum experiences in approved and diverse schools and community settings prior to the internship semester. For further details, check with the instructor of the respective education course as to the practicum requirements. Personal professional liability insurance is required prior to beginning any clinical experience within the School of Education at Jacksonville State University. Please see your course instructor for further details.

### II. Internship Semester

Students are required to make formal application for the Senior Internship semester one semester prior to the semester of internship (fall or spring). Please note that student internship is offered only in the fall and spring

semesters and must be completed the last semester before graduation. All Teacher Education Program eligibility requirements must be met prior to application for internship. Information meetings will be conducted fall and spring semesters. Contact the Office of Clinical Experiences for more information.

Eligibility requirements for the internship semester:

- The internship semester is to be completed during the student's last semester of residency at JSU.
- The candidate must have completed all general studies, professional and teaching field courses.
- The candidate must possess a 2.75 grade point average in all of the following areas:
  - Overall
  - Candidate's teaching field(s)
  - Professional education courses
  - JSU only courses (determines Honors)
- The successful completion of the Alabama approved Praxis exams (a passing score based on Alabama State Department of Education requirements) is required prior to the pre-service teaching internship. No pre-service teacher will be placed without the required official documentation of a passing score.
- Proof of personal professional liability insurance for the entire internship semester must be on file in the Office of Clinical Experiences.

## Department of Counseling and Instructional Support

**Department Head: Dr. Stacey Gill**

**304 Ramona Wood Hall**

The Department of Educational Resources offers service courses in educational foundations, educational psychology, and instructional media. In addition, the department provides graduate programs in Counselor Education, Instructional Leadership and Library Media. Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

### Professor

Kiser, Jerry D. (p. 185)

Turner, Tommy (p. 191)

Wallace, Melanie (p. 192)

Walsh, Joseph (p. 192)

Webb, Sheila A. (p. 192)

### Associate Professor

Barnes, Jimmy H. (p. 178)

McGahey, James T. (p. 186)

Wilson, Priscilla (p. 192)

## Assistant Professor

- Gill, Stacy (p. 182)
- Inman, Chris (p. 184)
- Mobbs, Kevin (p. 187)
- Paynter, Kelly (p. 188)
- Stephens, Wendy S. (p. 190)
- Tseng, Hungwei (p. 191)
- Warfield, Kimberly (p. 192)
- Young, William (p. 193)

## Department of Curriculum and Instruction

Department Head: TBA

### 312 Ramona Wood Hall

The Department of Curriculum and Instruction offers Bachelor of Science in Education degrees in the areas of Elementary/Early Childhood and Special Education Collaborative Teacher. Upon program completion, students will be eligible to apply for the baccalaureate level Professional Teaching Certificate.

- Elementary/Early Childhood Education (Bachelor of Science in Education) (p. 95)
- Special Education Collaborative Teacher K-6 and 6-12 (Bachelor of Science in Education) (p. 96)

## Professor

- Beard, Lawrence (p. 179)
- Gardner, Teresa (p. 182)
- Staubs, Melinda (p. 190)
- Thornburg, Gena (p. 191)

## Associate Professor

- Bavonese, Janet L. (p. 178)
- Connor, Cynthia (p. 180)
- Johns, Kyoko M. (p. 184)
- Norvell, Barbie (p. 188)
- Troncale, Jennifer M. (p. 191)

## Assistant Professor

- Alvidrez, Michael R. (p. 178)
- Calhoun, Christie F. (p. 180)
- Trucks, Christi G. (p. 191)

## Instructor

- Weathers, Aimee (p. 192)
- Wheat, Valerie (p. 192)

## Elementary/Early Childhood Education (Bachelor of Science in Education)

Students majoring in Elementary/Early Childhood Education are required to complete an approved program consisting of 126 hours leading to a Bachelor of Science Degree in Education. Students may take RDG 298 Literature and Language for Children (3), EED 299 Teaching Diverse Populations (3), SPE 300 Survey of Exceptional Children and Youth (3), FCS 352 Child Growth and Development (2)/ FCS 353 Child Growth and Development Laboratory (1), and EED 310 Foundations of Effective Teaching (3) prior to eligibility for Teacher Education Program. ED 302 Introductory Foundations in Teacher Education (3) is required and must be taken in order to achieve eligibility for Teacher Education Program.

Course	Title	Credits
<b>ECE Block</b>		
ECE 303	Introduction to Early Childhood Education	3
RDG 304	Early Literacy	3
ECE 306	Practicum in ECE	3
ECE 309	21st Century Teaching and Learning Part I	3
<b>Literacy Block</b>		
ECE 407	Assessment of Young Children	3
EED 339	Integrating Theory/Practice	3
RDG 342	Teaching Reading	3
EED 344	Developing Language Skills	3
<b>Content Block</b>		
EED 340	Practicum in Content Area Block	3
EED 341	Mathematics for Children	3
EED 343	Curriculum Integration in Teaching Social Studies	3
EED 362	Science for Children	3

RDG 354 Reading Diagnosis (3) and EED 409 21st Century Teaching and Learning Part II (3) are taken with the block courses throughout the program.

Upon completion of this program, including all testing requirements, a student will be eligible to apply for the baccalaureate level Professional Certificate which provides teacher certification for elementary (K-6) and early childhood (P-3). Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History <sup>1</sup>		3



MS 112	Precalculus Algebra <sup>1</sup>	3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
Social/Behavioral Science		3
STU 101	First Year Experience	0
	Hours	16
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
Mathematics <sup>2</sup>		3
History <sup>1</sup>		3
	Hours	16
<b>Summer</b>		
Fine Arts		3
Social/Behavioral Science		3
	Hours	6
<b>Sophomore</b>		
<b>Fall</b>		
Literature sequence		3
Mathematics <sup>2</sup>		3
Science <sup>3</sup>		4
CS 201	Introduction to Information Technology	3
FCS 352 & FCS 353	Child Growth and Development and Child Growth and Development Laboratory	3
	Hours	16
<b>Spring</b>		
Literature sequence		3
ED 302	Introductory Foundations in Teacher Education	3
SPE 300	Survey of Exceptional Children and Youth	3
EED 299	Teaching Diverse Populations	3
Mathematics <sup>2</sup>		3
	Hours	15
<b>Junior</b>		
<b>Fall</b>		
ECE 303	Introduction to Early Childhood Education	3
RDG 304	Early Literacy	3
ECE 306	Practicum in ECE	3
ECE 309	21st Century Teaching and Learning Part I	3
EED 310	Foundations of Effective Teaching	3
	Hours	15
<b>Spring</b>		
ECE 407	Assessment of Young Children	3
EED 339	Integrating Theory/Practice	3
RDG 342	Teaching Reading	3
EED 344	Developing Language Skills	3
RDG 298	Literature and Language for Children	3
	Hours	15
<b>Senior</b>		
<b>Fall</b>		
EED 340	Practicum in Content Area Block	3
EED 341	Mathematics for Children	3
EED 362	Science for Children	3
EED 343	Curriculum Integration in Teaching Social Studies	3
RDG 354	Reading Diagnosis	3
	Hours	15
<b>Spring</b>		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3

EED 409	21st Century Teaching and Learning Part II	3
	Hours	12
	Total Hours	126

<sup>1</sup> HY 201 American History I (3) and HY 202 American History II (3) are preferred.

<sup>2</sup> MS 110 Finite Mathematics (3) and higher is required for the mathematics requirements; MS 112 Precalculus Algebra (3) (required) and MS 133 Mathematical Concepts I (3), MS 134 Mathematical Concepts II (3), and MS 135 Mathematical Concepts III (3) are strongly suggested.

<sup>3</sup> Physical Science with lab from science courses other than Biology.

Note: All professional education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list of these courses.

## Special Education Collaborative Teacher K-6 and 6-12 (Bachelor of Science in Education)

Students majoring in Special Education Collaborative Teacher K-6 and 6-12 are required to complete the approved program consisting of 126 hours leading to a Bachelor of Science degree in Education. Students may take SPE 332 Medical, Legal, & Ethical Issues (3), EED 299 Teaching Diverse Populations (3), and SPE 300 Survey of Exceptional Children and Youth (3) prior to eligibility for Teacher Education Program. ED 302 Introductory Foundations in Teacher Education (3) is required and must be taken in order to achieve eligibility for Teacher Education Program. Students will enroll in the following:

Course	Title	Credits
<b>Collaborative Severe Block (First)</b>		
SPE 423	Methods for Severe Disabilities	3
SPE 426	Augmentative and Alternative Communication	3
SPE 427	Behavior and Classroom Management	3
SPE 442	Practicum in Severe Disabilities K-12	3
<b>Elementary Mild Block (Second)</b>		
RDG 343	Collaborative Reading	3
SPE 331	Special Education Administrative Processes	3
SPE 340	Practicum in Mild Disabilities K-6	3
SPE 348	Collaboration in Elementary and Secondary	3
<b>Secondary Mild Block (Third)</b>		
SPE 330	Assessment of Teaching and Learning	3
SPE 334	Educational and Assistive Technologies	3
SPE 338	Collaborative Math	3
SPE 341	Practicum in Mild Disabilities 6-12	3

SPE 425 Methods for Autism Spectrum Disorder (3) and RDG 354 Reading Diagnosis (3) are taken with block courses throughout the program.

Upon completion of this program, including all testing requirements, a student will be eligible to apply for the baccalaureate level Professional Certificate which provides certification in Special Education Collaborative Teacher at the K-6 and 6-12 levels. Teacher Education Programs may be

altered to meet changes in federal and Alabama State Department of Education regulations.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History <sup>1</sup>		3
MS 112	Precalculus Algebra <sup>2</sup>	3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
Social/Behavioral Science		3
STU 101	First Year Experience	0
	Hours	16
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
Mathematics <sup>2</sup>		3
PSY 201	Principles of Psychology	3
History/Social/Behavioral Science <sup>1</sup>		3
	Hours	19
<b>Summer</b>		
CS 201	Introduction to Information Technology	3
	Hours	3
<b>Sophomore</b>		
<b>Fall</b>		
EH Literature sequence		3
PSY 330	Abnormal Psychology	3
Mathematics <sup>2</sup>		3
Physical Science and Lab		4
PSY 222	Human Development	3
Fine Arts		3
	Hours	19
<b>Spring</b>		
EH Literature sequence		3
Mathematics <sup>2</sup>		3
EED 299	Teaching Diverse Populations	3
ED 302	Introductory Foundations in Teacher Education	3
SPE 300	Survey of Exceptional Children and Youth	3
SPE 332	Medical, Legal, & Ethical Issues	3
	Hours	18
<b>Junior</b>		
<b>Fall</b>		
SPE 423	Methods for Severe Disabilities	3
SPE 426	Augmentative and Alternative Communication	3
SPE 427	Behavior and Classroom Management	3
SPE 442	Practicum in Severe Disabilities K-12	3
	Hours	12
<b>Spring</b>		
RDG 343	Collaborative Reading	3
SPE 331	Special Education Administrative Processes	3
SPE 340	Practicum in Mild Disabilities K-6	3
SPE 348	Collaboration in Elementary and Secondary	3
	Hours	12

**Senior**

<b>Fall</b>		
SPE 330	Assessment of Teaching and Learning	3
SPE 334	Educational and Assistive Technologies	3
SPE 338	Collaborative Math	3
SPE 341	Practicum in Mild Disabilities 6-12	3
RDG 354	Reading Diagnosis	3
	Hours	15
<b>Spring</b>		
SPE 425	Methods for Autism Spectrum Disorder	3
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3
	Hours	12
	Total Hours	126

<sup>1</sup> HY 201 American History I (3) and HY 202 American History II (3) are preferred.

<sup>2</sup> MS 110 Finite Mathematics (3) and higher is required for the mathematics requirements; MS 112 Precalculus Algebra (3) (required) and MS 133 Mathematical Concepts I (3), MS 134 Mathematical Concepts II (3), and MS 135 Mathematical Concepts III (3) are strongly suggested.

Note: All professional education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list of these courses.

## Department of Family and Consumer Sciences

Department Head: Dr. Debra K. Goodwin

215 East Mason Hall

Accredited by the American Association of Family and Consumer Sciences

- Family and Consumer Sciences Education (Bachelor of Science in Education) (p. 98)
- Business Marketing Education (Bachelor of Science in Education) (p. 98)
- Family and Consumer Sciences - Child Development (Bachelor of Science) (p. 99)
- Family and Consumer Sciences - Human Sciences (Bachelor of Science) (p. 100)
- Family and Consumer Sciences - Merchandising (Bachelor of Science) (p. 101)
- Family and Consumer Sciences - Dietetics (Bachelor of Science) (p. 101)
- Family and Consumer Sciences - Community Nutrition (Bachelor of Science) (p. 102)
- Family and Consumer Sciences - Hospitality and Culinary Management (Bachelor of Science) (p. 103)
- Family and Consumer Sciences Minor (p. 104)
- Child Development Minor (p. 104)
- Human Sciences Minor (p. 104)
- Fashion Merchandising Minor (p. 104)

- Nutrition and Foods Minor (p. 104)
- Hospitality and Culinary Management Minor (p. 105)

## Professor

Goodwin, Debra (p. 182)

## Assistant Professor

Frazier, Jeannie (p. 182)

## Instructor

Boggs, Robbie (p. 179)

Marsh, Jill (p. 186)

Murray, Jada (p. 187)

# Family and Consumer Sciences Education (Bachelor of Science in Education)

A Bachelor of Science in Education degree in Family and Consumer Sciences Education is offered. Students who meet the requirements for this major will be eligible to apply for a baccalaureate level Professional Certificate. This certificate is acceptable for the teaching of Family and Consumer Sciences in the secondary schools of Alabama. Majors in Family and Consumer Sciences Education are also qualified for positions in Cooperative Extension Service, business, foodservice supervision, and other related fields. Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History <sup>1</sup>		3
MS 110	Finite Mathematics	3
FCS 122	Fundamentals of Food Preparation and Meal Management	3
Sciences <sup>1</sup>		4
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
Sciences <sup>1</sup>		4
Social/Behavioral Science <sup>1</sup>		3
Literature <sup>1</sup>		3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Fine Arts <sup>1</sup>		3
FCS 215	Introductory Nutrition	3
FCS 232	Textiles	3
FCS 131	Clothing Construction	3

FCS 200	Seminar in Family and Consumer Sciences	2
Hours		14
<b>Spring</b>		
FCS 355	Family Life Education	3
History or Social Science <sup>1</sup>		3
Literature or Fine Arts <sup>1</sup>		3
FCS 371	Management of Family Resources	3
Social/Behavioral Science <sup>1</sup>		3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
ED 302	Introductory Foundations in Teacher Education	3
CTE 350	Professional and Technical Competency for Career and Technical Education	3
FCS 325	Quantity Food Production	3
FCS 331	Fashion Fundamentals and Merchandising	3
SPE 300	Survey of Exceptional Children and Youth	3
Hours		15
<b>Spring</b>		
CTE 362	Principles of Career Technical Education	3
CTE 383	Curriculum and Literacy	3
FCS 454	Administration and Supervision in Child Care Programs	3
FIN 311	Personal Financial Planning	3
FCS 352	Child Growth and Development	2
FCS 353	Child Growth and Development Laboratory	1
Hours		15
<b>Summer</b>		
CTE 444	Assessment of Learning for Career and Technical Education	3
Hours		3
<b>Senior</b>		
<b>Fall</b>		
CTE 460	Practicum in CTE/FCS	3
CTE 461	Effective Teaching of CTE	3
FCS 471	Family Housing and Interiors	3
Elective		3
Elective		3
Hours		15
<b>Spring</b>		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3
CTE 475	Functions of the Coordinator	3
Hours		12
Total Hours		121

<sup>1</sup> See General Studies Curriculum

Note: All professional education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list of these courses.

## Business Marketing Education (Bachelor of Science in Education)

Teacher education programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information*

about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
MS 112	Precalculus Algebra	3
STU 101	First Year Experience	0
History <sup>1</sup>		3
Sciences <sup>1</sup>		4
AE 201	Microcomputers: Applications and Techniques	3
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
Sciences <sup>1</sup>		4
History or Social Science <sup>1</sup>		3
EH Literature <sup>1</sup>		3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
EC 221	Principles of Microeconomics	3
ST 260	Statistics/Quantitative Methods I	3
ACC 200	Principles of Accounting I	3
Fine Arts <sup>1</sup>		3
Social/Behavioral Science <sup>1</sup>		3
Hours		15
<b>Spring</b>		
EC 222	Principles of Macroeconomics	3
ST 261	Statistics/Quantitative Methods II	3
ACC 210	Principles of Accounting II	3
EH Literature or Fine Arts <sup>1</sup>		3
Social/Behavioral Science <sup>1</sup>		3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
ED 302	Introductory Foundations in Teacher Education	3
CTE 350	Professional and Technical Competency for Career and Technical Education	3
SPE 300	Survey of Exceptional Children and Youth	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
Teaching Field Class		3
Hours		18
<b>Spring</b>		
CTE 362	Principles of Career Technical Education	3
CTE 383	Curriculum and Literacy	3
Teaching Field Class		3
Teaching Field Class		3
Teaching Field Class		3
Teaching Field Class		3
Hours		18
<b>Summer</b>		
CTE 444	Assessment of Learning for Career and Technical Education	3
Hours		3
<b>Senior</b>		
<b>Fall</b>		
CTE 460	Practicum in CTE/FCS	3
CTE 461	Effective Teaching of CTE	3
Teaching Field Class		3

Course	Title	Hours
Teaching Field Class		3
Teaching Field Class		3
Hours		15
<b>Spring</b>		
CTE 475	Functions of the Coordinator	3
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3
Hours		12
Total Hours		128

<sup>1</sup> See General Studies Curriculum  
 Note: All professional education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list of these courses.

## Family and Consumer Sciences - Child Development (Bachelor of Science)

The concentration in Child Development offers academic background and field experience necessary to understand and work with children and their families. The curriculum is designed to prepare individuals for Child Development-related careers in a variety of employment settings. Methods of delivery of the Child Development curriculum include both traditional and online versions. This concentration does not meet requirements for teacher certification.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Natural Science/Analysis <sup>1</sup>		4
MS 110	Finite Mathematics (or higher level)	3
MSC 115 or HPE 109	First Aid or Concepts of Wellness	3
Social/Behavioral Science <sup>1</sup>		3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
History <sup>1</sup>		3
Natural Science/Analysis <sup>1</sup>		4
Fine Arts Elective <sup>1</sup>		3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
FCS 122	Fundamentals of Food Preparation and Meal Management	3
FCS 215	Introductory Nutrition	3
History <sup>1</sup>		3
Literature <sup>1</sup>		3
ACC 200	Principles of Accounting I	3
Hours		15

Spring		
FCS 200	Seminar in Family and Consumer Sciences	2
Literature <sup>1</sup>		3
CS 201	Introduction to Information Technology <sup>1</sup>	3
Social/Behavioral Sciences <sup>1</sup>		3
SPE 300	Survey of Exceptional Children and Youth	3
Select from the following: <sup>2</sup>		3
FCS 350	Lifespan Human Development	
FCS 351	The Developing Child	
FCS 360	Contemporary Issues in Human Development	
FCS 352 & FCS 353	Child Growth and Development and Child Growth and Development Laboratory	
Hours		17
Junior		
Fall		
FCS 350	Lifespan Human Development	3
FCS 360	Contemporary Issues in Human Development	3
FCS 450	Curriculum Planning in Child Development	3
FIN 311	Personal Financial Planning	3
FCS 355	Family Life Education	3
Hours		15
Spring		
FCS 332	Social Cultural Aspects of Apparel	3
FCS 371	Management of Family Resources	3
FCS 454	Administration and Supervision in Child Care Programs	3
FCS 457	Advanced Child Development II (Ages 3 through 5)	3
FCS 459	Family Interaction	3
Hours		15
Senior		
Fall		
FCS 453	Parent-Child Relations	3
FCS 456	Advanced Child Development I (Infant and Toddler Development)	3
FCS 471	Family Housing and Interiors	3
General Electives		5
Hours		14
Spring		
FCS 460	Directed Field Experiences	6
MGT 301	Principles of Management	3
General Electives		3
Hours		12
Total Hours		120

<sup>1</sup> See General Studies Curriculum

<sup>2</sup> By advisement only

## Family and Consumer Sciences - Human Sciences (Bachelor of Science)

The concentration in Human Sciences offers the educational background needed for positions in a variety of human and community service positions, including cooperative extension service, business, social services, and community agencies. The concentration provides an overall discipline-based knowledge in all areas of Family and Consumer Sciences in a traditional and an online format.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information**

about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.

Course	Title	Hours
Freshman		
Fall		
EH 101	English Composition	3
History <sup>1</sup>		3
MS 110	Finite Mathematics (or higher)	3
FCS 122	Fundamentals of Food Preparation and Meal Management	3
FCS 131	Clothing Construction	3
STU 101	First Year Experience	0
Hours		15
Spring		
EH 102	English Composition	3
EH 141	Oral Communication	3
History <sup>1</sup>		3
PSY 201	Principles of Psychology	3
SY 221	Introduction to Sociology	3
Hours		15
Sophomore		
Fall		
Literature <sup>1</sup>		3
Natural Science <sup>1</sup>		4
HPE 109 or MSC 115	Concepts of Wellness or First Aid	3
CS 201	Introduction to Information Technology	3
FCS 371	Management of Family Resources	3
Hours		16
Spring		
Literature <sup>1</sup>		3
Natural Science <sup>1</sup>		4
EC 221	Principles of Microeconomics	3
FCS 215 or FCS 322	Introductory Nutrition or Normal Nutrition	3
FCS 200	Seminar in Family and Consumer Sciences	2
Hours		15
Junior		
Fall		
FCS 331 or FCS 333	Fashion Fundamentals and Merchandising or Family Clothing	3
FCS 335 or FCS 343	Visual Merchandising or Virtual Merchandising	3
FCS 354	Career Paths in Human Sciences	2
FCS 355	Family Life Education	3
MGT 301	Principles of Management	3
Select from the following:		3
FCS 350	Lifespan Human Development	
FCS 351	The Developing Child	
FCS 360	Contemporary Issues in Human Development	
FCS 352 & FCS 353	Child Growth and Development and Child Growth and Development Laboratory	
Hours		17
Spring		
Fine Arts Elective <sup>1</sup>		3
FCS 327	Nutrition in the Life Cycle	3
FCS 332	Social Cultural Aspects of Apparel	3
FCS 350	Lifespan Human Development	3
General Electives		3
Hours		15

Senior		
<b>Fall</b>		
FCS 325 or FCS 326	Quantity Food Production or Food Safety and Sanitation	3
FCS 459	Family Interaction	3
FCS 464	Practicum in Human Sciences	3
FCS 471	Family Housing and Interiors	3
MKT 301	Principles of Marketing	3
Hours		15
<b>Spring</b>		
FCS 338	Community Nutrition	3
FCS 458	Research and Statistical Methods in FCS	3
MGT 305 or MGT 330 or MGT 385	Organizational Behavior or Entrepreneurship or Human Resource Management	3
SPE 300	Survey of Exceptional Children and Youth	3
Hours		12
Total Hours		120

<sup>1</sup> See General Studies Curriculum.

<sup>2</sup> By advisement only.

## Family and Consumer Sciences - Merchandising (Bachelor of Science)

The concentration in Merchandising offers the educational background needed for positions as buyers, managers, and consultants for retail stores and related businesses in the area of merchandising.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Natural Science <sup>1</sup>		4
MS 110	Finite Mathematics (or higher level)	3
History <sup>1</sup>		3
FCS 131	Clothing Construction	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
History <sup>1</sup>		3
Natural Science <sup>1</sup>		4
Fine Arts		3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>1</sup>		3
FCS 215	Introductory Nutrition	3
FCS 232	Textiles	3
EC 221	Principles of Microeconomics	3
PSY 201 or SY 221	Principles of Psychology or Introduction to Sociology	3
General Electives		1
Hours		16

<b>Spring</b>		
Literature <sup>1</sup>		3
CS 201	Introduction to Information Technology <sup>1</sup>	3
ART 233	Design I	3
Select one of the following:		
FCS 352 & FCS 353	Child Growth and Development and Child Growth and Development Laboratory	3
FCS 350	Lifespan Human Development	3
FCS 200	Seminar in Family and Consumer Sciences	2
Hours		14
<b>Junior</b>		
<b>Fall</b>		
MKT 301	Principles of Marketing	3
MGT 301	Principles of Management	3
FCS 331	Fashion Fundamentals and Merchandising	3
FCS 355	Family Life Education	3
General Electives		1
Hours		13

<b>Spring</b>		
FCS 332	Social Cultural Aspects of Apparel	3
FCS 371	Management of Family Resources	3
FCS 335	Visual Merchandising	3
MKT 378	Consumer Behavior	3
MKT 394	Retailing	3
Hours		15

<b>Senior</b>		
<b>Fall</b>		
FCS 471	Family Housing and Interiors	3
MKT 488	Advertising and Promotions	3
FCS 435	Merchandise Planning and Analysis	3
MKT 361	Sales/Sales Force Management	3
COM 345	Social Media and Society	3
Hours		15

<b>Spring</b>		
FCS 430	Senior Experiences in Fashion Merchandising	3
FCS 431	Textiles and Apparel in the Global Economy	3
FCS 432	History of Fashion	3
FCS 434	Apparel Design	3
General Electives		3
Hours		15
Total Hours		120

<sup>1</sup> See General Studies Curriculum.

## Family and Consumer Sciences - Dietetics (Bachelor of Science)

The Didactic Program in Dietetics at JSU is accredited by:

*The Accreditation Council for Education Nutrition and Dietetics (ACEND)*  
216 W. Jackson Blvd.  
Chicago, IL 60606-6995  
Telephone: (312) 899-5400

Following graduation, each student must complete a supervised practice program accredited by the *Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics* to qualify for the national examination to become a registered dietitian.

Students must be assessed into the Didactic Dietetics program the last semester of the sophomore year. For assessment into the upper division Didactic Dietetics program, students must successfully complete a

career assessment exam and all courses listed for the freshman and sophomore years with a minimum grade point average of 3.00 on a 4.00 scale and must maintain this average throughout the program. Students must also earn a minimum grade of "B" on all science based courses. The assessment process for the Didactic Dietetics program is outlined on the FCS website.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
MS 112	Precalculus Algebra	3
FCS 122	Fundamentals of Food Preparation and Meal Management	3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
CY 115	Concepts of General Chemistry I	4
STU 101	First Year Experience	0
Hours		17
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
CY 116	Concepts of General Chemistry II	4
BY 263	Human Anatomy and Physiology I	4
PSY 201 or SY 221	Principles of Psychology or Introduction to Sociology	3
Hours		17
<b>Sophomore</b>		
<b>Fall</b>		
FCS 215 or FCS 322	Introductory Nutrition or Normal Nutrition	3
BY 264	Human Anatomy and Physiology II	4
Literature <sup>1</sup>		3
History <sup>1</sup>		3
FCS 200	Seminar in Family and Consumer Sciences	2
Fine Arts Elective <sup>1</sup>		3
Hours		18
<b>Spring</b>		
FCS 328	Career Paths in Nutrition and Dietetics	1
MS 204	Basic Statistics	3
Literature <sup>1</sup>		3
History <sup>1</sup>		3
CS 201	Introduction to Information Technology	3
EC 222	Principles of Macroeconomics	3
Hours		16
<b>Junior</b>		
<b>Fall</b>		
FCS 323	Experimental Foods	3
FCS 326	Food Safety and Sanitation	3
FCS 332	Social Cultural Aspects of Apparel	3
Select from the following: <sup>2</sup>		3
FCS 350	Lifespan Human Development	
FCS 351	The Developing Child	
FCS 360	Contemporary Issues in Human Development	
FCS 352 & FCS 353	Child Growth and Development and Child Growth and Development Laboratory	
Hours		12

<b>Spring</b>		
FCS 327	Nutrition in the Life Cycle	3
FCS 337	Methods of Nutritional Assessment	3
FCS 338	Community Nutrition	3
FCS 355	Family Life Education	3
Hours		12

<b>Senior</b>		
<b>Fall</b>		
FCS 325	Quantity Food Production	3
FCS 371	Management of Family Resources	3
FCS 420	Medical Nutrition Therapy I	3
FCS 429	Advanced Nutritional Metabolism	3
General Elective		1
Hours		13

<b>Spring</b>		
FCS 422	Foodservice Management	3
FCS 421	Medical Nutrition Therapy II	3
FCS 448	Alternative Medicine and Dietary Supplements	3
FCS 471	Family Housing and Interiors	3
FCS 458	Research and Statistical Methods in FCS	3
Hours		15
Total Hours		120

<sup>1</sup> See General Studies Curriculum

<sup>2</sup> By advisement only.

## Family and Consumer Sciences - Community Nutrition (Bachelor of Science)

The concentration in Community Nutrition offers the academic background needed for positions in a variety of community agencies that provide nutrition services for individuals, families, and groups. This concentration does not qualify for entry into the Didactic Program in Dietetics.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
MS 112	Precalculus Algebra	3
FCS 122	Fundamentals of Food Preparation and Meal Management	3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
CY 115	Concepts of General Chemistry I	4
STU 101	First Year Experience	0
Hours		17
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
FCS 200	Seminar in Family and Consumer Sciences	2
PSY 201	Principles of Psychology	3
BY 263	Human Anatomy and Physiology I	4
Hours		15

**Sophomore**

Fall		
CS 201	Introduction to Information Technology	3
SY 221	Introduction to Sociology	3
Literature <sup>1</sup>		3
History <sup>1</sup>		3
Fine Arts Elective <sup>1</sup>		3
	Hours	15

Spring		
FCS 328	Career Paths in Nutrition and Dietetics	1
MS 204	Basic Statistics	3
Literature <sup>1</sup>		3
History <sup>1</sup>		3
FCS 355	Family Life Education	3
EC 222	Principles of Macroeconomics	3
	Hours	16

Junior		
Fall		
FCS 322 or FCS 215	Normal Nutrition or Introductory Nutrition	3
FCS 326	Food Safety and Sanitation	3
FCS 332	Social Cultural Aspects of Apparel	3
MGT 301	Principles of Management	3
EH 322	Technical Writing	3
	Hours	15

Spring		
MKT 301	Principles of Marketing	3
FCS 327	Nutrition in the Life Cycle	3
FCS 338	Community Nutrition	3
FCS 350	Lifespan Human Development	3
HPE 315	Community and Consumer Health	3
	Hours	15

Senior		
Fall		
FCS 325	Quantity Food Production	3
FCS 371	Management of Family Resources	3
FCS 339	Professional Communications in Family and Consumer Sciences	2
FCS 471	Family Housing and Interiors	3
HPE 232	Sports Safety and First Aid Training	2
	Hours	13

Spring		
FCS 428	International Foods	3
FCS 448	Alternative Medicine and Dietary Supplements	3
FCS 458	Research and Statistical Methods in FCS	3
HPE 318	Health for Special Populations	3
General Elective		2
	Hours	14
	Total Hours	120

<sup>1</sup> See General Studies Curriculum.

# Family and Consumer Sciences - Hospitality and Culinary Management (Bachelor of Science)

The concentration in Hospitality and Culinary Management offers academic background and field experience in the hospitality industry and is planned for individuals interested in management positions in culinary arts.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
Freshman		
Fall		
EH 101	English Composition	3
History <sup>1</sup>		3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
FCS 122	Fundamentals of Food Preparation and Meal Management	3
SY 221	Introduction to Sociology	3
STU 101	First Year Experience	0
	Hours	16

Spring		
EH 102	English Composition	3
EH 141	Oral Communication	3
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
FCS 132	Culinary Science	3
Fine Arts Elective <sup>1</sup>		3
	Hours	16

Sophomore		
Fall		
Literature <sup>1</sup>		3
MS 112	Precalculus Algebra	3
EC 221	Principles of Microeconomics	3
FCS 223	The Science of Service Quality	2
FCS 326	Food Safety and Sanitation	3
	Hours	14

Spring		
Literature <sup>1</sup>		3
MS 204	Basic Statistics	3
EC 222	Principles of Macroeconomics	3
FCS 200	Seminar in Family and Consumer Sciences	2
FCS 215 or FCS 322	Introductory Nutrition or Normal Nutrition	3
	Hours	14

Junior		
Fall		
ACC 200	Principles of Accounting I	3
CS 201	Introduction to Information Technology	3
FCS 323	Experimental Foods	3
FCS 325	Quantity Food Production	3
MGT 301	Principles of Management	3
	Hours	15

Spring		
MGT 305 or MGT 385	Organizational Behavior or Human Resource Management	3
FCS 371	Management of Family Resources	3
ACC 210	Principles of Accounting II	3
FCS 332	Social Cultural Aspects of Apparel	3
Select one of the following: <sup>2</sup>		3
FCS 350	Lifespan Human Development	
FCS 351	The Developing Child	
FCS 360	Contemporary Issues in Human Development	
FCS 352 & FCS 353	Child Growth and Development and Child Growth and Development Laboratory	
	Hours	15



**Senior**

<b>Fall</b>		
FCS 335	Visual Merchandising	3
FCS 355	Family Life Education	3
FCS 422	Foodservice Management	3
FCS 441	Practicum in Hospitality and Tourism	3
MKT 301	Principles of Marketing	3
Hours		15

**Spring**

FCS 471	Family Housing and Interiors	3
FCS 428	International Foods	3
FCS 441	Practicum in Hospitality and Tourism	3
FCS 438	Principles of Culinary Management	3
CBA 390	Operations Management	3
Hours		15
Total Hours		120

<sup>1</sup> See General Studies Curriculum.

<sup>2</sup> By advisement only.

## Family and Consumer Sciences Minor

The minor in Family and Consumer Sciences may be obtained by completing 21 hours including:

Course	Title	Credits
FCS 122	Fundamentals of Food Preparation and Meal Management	3
FCS 131 or FCS 331	Clothing Construction Fashion Fundamentals and Merchandising	3
FCS 215 or FCS 322	Introductory Nutrition Normal Nutrition	3
FCS 352	Child Growth and Development	2
FCS 353	Child Growth and Development Laboratory	1
FCS 355	Family Life Education	3
FCS 371	Management of Family Resources	3
FCS 471	Family Housing and Interiors	3
Total Hours		21

## Child Development Minor

A minor in Child Development may be obtained by completing 18 hours including:

Course	Title	Credits
FCS 351 or FCS 352 & FCS 353	The Developing Child Child Growth and Development and Child Growth and Development Laboratory	3
FCS 355	Family Life Education	3
FCS 450	Curriculum Planning in Child Development	3
FCS 452	Overview of Advanced Child Development (Infant through 5)	3
FCS 454	Administration and Supervision in Child Care Programs	3
FCS 463	Directed Field Experiences for Child Development Minors	3
Total Hours		18

The minor in Child Development provides students majoring in other fields the opportunity to develop an understanding of the nature of child development.

## Human Sciences Minor

A minor in Human Sciences may be obtained by completing 20 hours in Family and Consumer Sciences courses, including these required courses:

Course	Title	Credits
FCS 339	Professional Communications in Family and Consumer Sciences	2
FCS 355	Family Life Education	3
FCS 459	Family Interaction	3
FCS 464	Practicum in Human Sciences	3
Select nine hours from the following:		9

FCS 122	Fundamentals of Food Preparation and Meal Management	
FCS 131	Clothing Construction	
FCS 215	Introductory Nutrition	
FCS 325	Quantity Food Production	
FCS 326	Food Safety and Sanitation	
FCS 332	Social Cultural Aspects of Apparel	
FCS 338	Community Nutrition	
FCS 352 & FCS 353	Child Growth and Development and Child Growth and Development Laboratory	
FCS 360	Contemporary Issues in Human Development	
FCS 371	Management of Family Resources	
FCS 471	Family Housing and Interiors	

Total Hours 20

Prerequisite courses will apply.

## Fashion Merchandising Minor

A minor in Fashion Merchandising may be obtained by completing a minimum of 18 hours, including:

Course	Title	Credits
FCS 232	Textiles	3
FCS 331	Fashion Fundamentals and Merchandising	3
FCS 332	Social Cultural Aspects of Apparel	3
FCS 335	Visual Merchandising	3
Select six hours of the following:		6
FCS 431	Textiles and Apparel in the Global Economy	
FCS 432	History of Fashion	
FCS 434	Apparel Design	
FCS 435	Merchandise Planning and Analysis	

Total Hours 18

## Nutrition and Foods Minor

A minor in Nutrition and Foods may be obtained by completing 18 hours, including:

Course	Title	Credits
FCS 122	Fundamentals of Food Preparation and Meal Management	3
FCS 322	Normal Nutrition	3
FCS 338	Community Nutrition	3
Select nine hours of the following:		9
FCS 326	Food Safety and Sanitation	
FCS 327	Nutrition in the Life Cycle	
FCS 337	Methods of Nutritional Assessment	
FCS 420	Medical Nutrition Therapy I	
FCS 421	Medical Nutrition Therapy II	
FCS 427	Special Problems in Family and Consumer Sciences	
FCS 429	Advanced Nutritional Metabolism	
FCS 448	Alternative Medicine and Dietary Supplements	
Total Hours		18

## Hospitality and Culinary Management Minor

A Hospitality and Culinary Management minor may be earned by completing 18 hours, including:

Course	Title	Credits
FCS 122	Fundamentals of Food Preparation and Meal Management	3
FCS 323	Experimental Foods	3
FCS 325	Quantity Food Production	3
FCS 422	Foodservice Management	3
Select six hours from the following:		6
FCS 132	Culinary Science	
FCS 326	Food Safety and Sanitation	
FCS 428	International Foods	
FCS 438	Principles of Culinary Management	
FCS 441	Practicum in Hospitality and Tourism	
Total Hours		18

## Department of Secondary Education

Department Head: Dr. Emily Sims

206 Ramona Wood Hall

Students majoring in Secondary Education are required to complete an approved program consisting of 122-128 hours leading to a Bachelor of Science degree in Education. Upon completion of an approved program, students will be eligible to apply for the baccalaureate level Professional Certificate. Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

## Teacher Education Programs Offered Secondary Education P-12 Programs

- Music - Instrumental (Department of Music (p. 59))
- Music - Vocal/Choral (Department of Music (p. 59))

- Spanish
- Health and Physical Education (Department of Kinesiology (p. 111))

## Secondary Education 6-12 Programs

- Biology
- Business Marketing Education
- English Language Arts
- Family and Consumer Sciences (Department of Family and Consumer Sciences (p. 97))
- General Science
- General Social Studies
- History
- Mathematics

## Bachelor of Science in Education

The Secondary Education teaching fields (P-12 and grades 6-12) require 122-128 semester hours in an approved plan of study. Specific plans of study for each teaching field are available from Teacher Education Services, 207 Ramona Wood Hall.

**Students must see their assigned advisor in the School of Education to ensure compliance with their approved plan of study.**

Note: All professional studies education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list.

- Secondary Education Biology 6-12 (Bachelor of Science in Education) (p. 106)
- Secondary Education English Language Arts 6-12 (Bachelor of Science in Education) (p. 106)
- Secondary Education General Science 6-12 (Bachelor of Science in Education) (p. 107)
- Secondary Education General Social Studies 6-12 (Bachelor of Science in Education) (p. 108)
- Secondary Education History 6-12 (Bachelor of Science in Education) (p. 108)
- Secondary Education Mathematics 6-12 (Bachelor of Science in Education) (p. 109)
- Secondary Education Minor (p. 110)

## Professor

Akpan, Joseph (p. 178)

## Associate Professor

Mitchell, Linda (p. 187)

## Assistant Professor

Hammack, Russell (p. 183)

Sims, Emily (p. 190)

## Secondary Education - Biology 6-12 (Bachelor of Science in Education)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
STU 101	First Year Experience	0
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
EH 101	English Composition	3
EH 141	Oral Communication	3
HY 101 or HY 201	Western Civilization I <sup>1</sup> or American History I	3
MS 112	Precalculus Algebra	3
Hours		16
<b>Spring</b>		
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
EH 102	English Composition	3
Social/Behavioral Science		3
HY 102 or HY 202	Western Civilization II <sup>1</sup> or American History II	3
Select 3 hours from the following:		3
DR 242	Introduction to the Theatre	
ART 202	Art Appreciation	
MU 233	Introduction to Music	
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
BY 322	Genetics	4
BY 323	Microbiology	4
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
EH Literature sequence		3
Social/Behavioral Science		3
Hours		18
<b>Spring</b>		
BY 332	Ecology	4
BY 373	Cell Biology	4
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
EH Literature sequence		3
ESE 329	Adolescent Development and Behavior	3
Hours		18
<b>Junior</b>		
<b>Fall</b>		
BY 440	Evolutionary Biology	4
BY 450	Molecular Biology	4
ED 302	Introductory Foundations in Teacher Education	3
ESE 455	Classroom Management	3
Select 4 hours from the following:		4
BY 407	Mammalogy	
BY 412	Plant Reproduction and Development	
BY 475	Economic Botany	
Hours		18
<b>Spring</b>		
ESE 304	Curriculum Planning and Learning Styles	3

BY 415	Biometrics	3
BY 370 (Course Offered Fall 2019 Only)		2
ESE 306	Integrated Instructional Design	3
ESE 383	Content Literacy	3
SPE 300	Survey of Exceptional Children and Youth	3
Hours		17
<b>Senior</b>		
<b>Fall</b>		
BY 488	Laboratory Practicum I	2
BY 496	Senior Seminar	1
ESE 444	Assessment	3
ESE 423	Teaching General Science	3
ESE 485	Senior Practicum	3
ESE 440	Diversity and Multicultural Education	3
Hours		15
<b>Spring</b>		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3
Hours		9
Total Hours		127

<sup>1</sup> History courses should be a sequence.

## Secondary Education - English Language Arts 6-12 (Bachelor of Science in Education)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
STU 101	First Year Experience	0
EH 101	English Composition	3
EH 141	Oral Communication	3
HY 101 or HY 201	Western Civilization I <sup>1</sup> or American History I	3
Social/Behavioral Science		3
Science with Lab		4
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
HY 102 or HY 202	Western Civilization II <sup>1</sup> or American History II	3
Social/Behavioral Science		3
Science with Lab		4
MS 110	Finite Mathematics	3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
DR 242	Introduction to the Theatre	3
EH 201	American Literature I	3
EH 231	World Literature I	3
EH 307	English Grammar	3
COM 315	Introduction to News	3
Hours		15
<b>Spring</b>		
EH 203	Survey of English Literature I	3

EH 202	American Literature II	3
EH 204	Survey of English Literature II	3
SPE 300	Survey of Exceptional Children and Youth	3
ESE 329	Adolescent Development and Behavior	3
EH 441	The History of the English Language	3
Hours		18
<b>Junior</b>		
<b>Fall</b>		
EH 349	The Literature of Young Adults	3
ESE 434	Teaching Writing in Secondary Schools	3
ED 302	Introductory Foundations in Teacher Education	3
ESE 440	Diversity and Multicultural Education	3
EH 452	Literary Criticism	3
Select 3 hours from the following:		3
EH 303	Survey of Black Literature I	
EH 304	Survey of Black Literature II	
EH 442	Black Writers in America	
Hours		18
<b>Spring</b>		
EH 232	World Literature II	3
EH 431	Non-Western Literature	3
ESE 433	Teaching Literature in Secondary Schools	3
ESE 304	Curriculum Planning and Learning Styles	3
ESE 306	Integrated Instructional Design	3
ESE 455	Classroom Management	3
Hours		18
<b>Senior</b>		
<b>Fall</b>		
EH 305 or EH 420	Native American Literature or Women's Literature	3
EH 403 or EH 404	Shakespeare I or Shakespeare II	3
ESE 383	Content Literacy	3
ESE 444	Assessment	3
ESE 422	Teaching English Language Arts	3
ESE 485	Senior Practicum	3
Hours		18
<b>Spring</b>		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3
Hours		9
Total Hours		128

<sup>1</sup> History courses should be a sequence.

## Secondary Education - General Science 6-12 (Bachelor of Science in Education)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
STU 101	First Year Experience	0
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
EH 101	English Composition	3

EH 141	Oral Communication	3
Social/Behavioral Science		3
MS 113	Precalculus Trigonometry	3

Hours 16

<b>Spring</b>		
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
EH 102	English Composition	3
Social/Behavioral Science		3
MS 204	Basic Statistics	3
Select 3 hours from the following:		3
DR 242	Introduction to the Theatre	
ART 202	Art Appreciation	
MU 233	Introduction to Music	

Hours 16

<b>Sophomore</b>		
<b>Fall</b>		
BY 322	Genetics	4
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
EH Literature sequence		3
HY 101 or HY 201	Western Civilization I <sup>1</sup> or American History I	3
GY 250 & GY 252	Physical Geography I: Atmospheric Patterns and Processes and Physical Geography Lab I	4

Hours 18

<b>Spring</b>		
BY 323	Microbiology	4
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
EH Literature sequence		3
HY 102 or HY 202	Western Civilization II <sup>1</sup> or American History II	3
ESE 329	Adolescent Development and Behavior	3

Hours 17

<b>Junior</b>		
<b>Fall</b>		
BY 332	Ecology	4
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I	4
ED 302	Introductory Foundations in Teacher Education	3
ESE 455	Classroom Management	3
SPE 300	Survey of Exceptional Children and Youth	3

Hours 17

<b>Spring</b>		
BY 373	Cell Biology	4
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II	4
ESE 304	Curriculum Planning and Learning Styles	3
ESE 306	Integrated Instructional Design	3
ESE 383	Content Literacy	3

Hours 17

<b>Senior</b>		
<b>Fall</b>		
BY 412	Plant Reproduction and Development	4
ESE 444	Assessment	3
BY 370 (Course Offered Fall 2019 Only)		2
ESE 423	Teaching General Science	3
ESE 485	Senior Practicum	3
ESE 440	Diversity and Multicultural Education	3

Hours 18

Spring		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3
Hours		9
Total Hours		128

<sup>1</sup> History courses should be a sequence.

## Secondary Education - General Social Studies 6-12 (Bachelor of Science in Education)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
STU 101	First Year Experience	0
EH 101	English Composition	3
EH 141	Oral Communication	3
HY 101 or HY 201	Western Civilization I or American History I	3
PSY 201	Principles of Psychology	3
Science with Lab		4
Hours		16

<b>Spring</b>		
HY 102 or HY 202	Western Civilization II or American History II	3
EH 102	English Composition	3
SY 221	Introduction to Sociology	3
MS 110	Finite Mathematics	3
Science with Lab		4
Hours		16

<b>Sophomore</b>		
<b>Fall</b>		
HY 101 or HY 201	Western Civilization I (Course not previously taken) or American History I	3
EH Literature Sequence		3
PSC 100	Introduction to American Government	3
GY 120	World Regional Geography	3
Elective		3
Select 3 hours from the following:		3
ART 202	Art Appreciation	
DR 242	Introduction to the Theatre	
MU 233	Introduction to Music	
Hours		18

<b>Spring</b>		
HY 102 or HY 202	Western Civilization II (Course not taken previously) or American History II	3
EH Literature Sequence		3
GY 220	Human Geography	3
SPE 300	Survey of Exceptional Children and Youth	3
ESE 329	Adolescent Development and Behavior	3
Elective		3
Hours		18

<b>Junior</b>		
<b>Fall</b>		
ED 302	Introductory Foundations in Teacher Education	3

EC 222	Principles of Macroeconomics	3
HY 456	Contemporary America, 1945-Present	3
ESE 426	World History in Secondary Schools	3
ESE 427	Government, Economics, and Geography in the Secondary Schools	3
ESE 455	Classroom Management	3
Hours		18

<b>Spring</b>		
HY 408	Ancient History	3
HY 404	The Age of the Cold War: Europe, 1945-Present	3
History 300+ U.S. History		3
ESE 304	Curriculum Planning and Learning Styles	3
ESE 306	Integrated Instructional Design	3
ESE 383	Content Literacy	3
Hours		18

<b>Senior</b>		
<b>Fall</b>		
History 300+ Non-U.S./Non-Euro. History		3
ESE 444	Assessment	3
ESE 421	Teaching Social Studies	3
ESE 485	Senior Practicum	3
ESE 440	Diversity and Multicultural Education	3
Hours		15

<b>Spring</b>		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3
Hours		9
Total Hours		128

## Secondary Education - History 6-12 (Bachelor of Science in Education)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
STU 101	First Year Experience	0
HY 101	Western Civilization I	3
HY 201	American History I	3
EH 101	English Composition	3
EH 141	Oral Communication	3
Science with Lab		4
Hours		16

<b>Spring</b>		
HY 102	Western Civilization II	3
HY 202	American History II	3
EH 102	English Composition	3
MS 110	Finite Mathematics	3
Science with Lab		4
Hours		16

<b>Sophomore</b>		
<b>Fall</b>		
ESE 426	World History in Secondary Schools	3
ESE 427	Government, Economics, and Geography in the Secondary Schools	3
EH Literature Sequence		3
Social/Behavioral Science		3

Select three hours from the following:		3
ART 202	Art Appreciation	
DR 242	Introduction to the Theatre	
MU 233	Introduction to Music	
Select three hours from the following:		3
EC 221	Principles of Microeconomics	
EC 222	Principles of Macroeconomics	
PSC 431	Comparative Politics	
Hours		18
<b>Spring</b>		
History 300+ Elective		3
HY 404	The Age of the Cold War: Europe, 1945-Present	3
HY 408	Ancient History	3
EH Literature Sequence		3
ESE 329	Adolescent Development and Behavior	3
Social/Behavioral Science		3
Hours		18
<b>Junior</b>		
<b>Fall</b>		
ED 302	Introductory Foundations in Teacher Education	3
HY 456	Contemporary America, 1945-Present	3
History 300+ Elective		3
History 300+ U.S. History Elective		3
ESE 455	Classroom Management	3
SPE 300	Survey of Exceptional Children and Youth	3
Hours		18
<b>Spring</b>		
History 300+ European History		3
History 300+ Elective		3
ESE 304	Curriculum Planning and Learning Styles	3
ESE 306	Integrated Instructional Design	3
ESE 383	Content Literacy	3
Hours		15
<b>Senior</b>		
<b>Fall</b>		
History 300+ Non-U.S./Non-European History		3
ESE 440	Diversity and Multicultural Education	3
ESE 444	Assessment	3
ESE 421	Teaching Social Studies	3
ESE 485	Senior Practicum	3
Hours		15
<b>Spring</b>		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3
Hours		9
Total Hours		125

## Secondary Education - Mathematics 6-12 (Bachelor of Science in Education)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
STU 101	First Year Experience	0

MS 125	Calculus I	4
EH 101	English Composition	3
EH 141	Oral Communication	3
HY 101	Western Civilization I <sup>1</sup>	3
or HY 201	or American History I	
Social/Behavioral Science		3
Hours		16
<b>Spring</b>		
MS 126	Calculus II	4
MS 302	Applied Probability and Statistics	3
EH 102	English Composition	3
HY 102	Western Civilization II <sup>1</sup>	3
or HY 202	or American History II	
Social/Behavioral Science		3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
MS 227	Calculus III	4
MS 300	Introduction to Advanced Mathematics	3
EH Literature Sequence		3
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I	4
Select 3 hours from the following:		3
ART 202	Art Appreciation	
DR 242	Introduction to the Theatre	
MU 233	Introduction to Music	
Hours		17
<b>Spring</b>		
MS 323	College Geometry	3
MS 352	Linear Algebra	3
EH Literature Sequence		3
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II	4
ESE 329	Adolescent Development and Behavior	3
Hours		16
<b>Junior</b>		
<b>Fall</b>		
MS 305 or MS 309	Number Theory or Combinatorics	3
MS 441	Abstract Algebra I	3
ED 302	Introductory Foundations in Teacher Education	3
ESE 455	Classroom Management	3
CS 230	Fundamentals of Computing	3
SPE 300	Survey of Exceptional Children and Youth	3
Hours		18
<b>Spring</b>		
MS 415	Advanced Calculus I	3
MS 344	Differential Equations	3
ESE 304	Curriculum Planning and Learning Styles	3
ESE 306	Integrated Instructional Design	3
ESE 383	Content Literacy	3
CS 231	Computer Programming I	3
Hours		18
<b>Senior</b>		
<b>Fall</b>		
MS 475	Seminar in Mathematics	3
ESE 444	Assessment	3
ESE 420	Teaching Mathematics	3
ESE 485	Senior Practicum	3
ESE 440	Diversity and Multicultural Education	3
Hours		15

Spring		
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3
	Hours	9
	Total Hours	125

<sup>1</sup> History courses should be a sequence.

## Secondary Education Minor

A minor in Secondary Education is obtained by completing 21 semester hours which includes:

Course	Title	Credits
ED 302	Introductory Foundations in Teacher Education	3
ESE 329	Adolescent Development and Behavior	3
ESE 383	Content Literacy <sup>1</sup>	3
ESE 440	Diversity and Multicultural Education	3
ESE 304	Curriculum Planning and Learning Styles <sup>1</sup>	3
ESE 455	Classroom Management <sup>1</sup>	3
SPE 300	Survey of Exceptional Children and Youth	3
Total Hours		21

<sup>1</sup> Requires eligibility to Teacher Education

## Instructional Services Unit

Director: Timothy D. Whittemore

102 Ramona Wood Hall

The Instructional Services Unit (ISU) is a division within the School of Education that provides a variety of support services. It consists of the:

- Teaching/Learning Center (T/LC) (<http://jsu.edu/education/isu/tlc.html>)
- Learning Resource Center (LRC) (<http://jsu.edu/education/isu/lrc.html>)
- Multimedia Instructional Laboratory (MIL) (<http://jsu.edu/education/isu/mil.html>)

The T/LC is an on-campus, free tutorial service to city and county school students in grades K-12. The ISU offers teachers-in-training an opportunity to gain practicum experience through the T/LC in-house laboratory tutoring program. Preservice teachers and children are exposed to the latest technology and strategies, including the internet.

The LRC provides educational materials and equipment to teachers currently employed in the public schools, undergraduate and graduate students in education, and JSU faculty. The materials include: instructional games, kits, books, computer programs, and audiovisuals. A wide variety of subjects are represented in the center, including reading, language, mathematics, social studies, science, health, perceptual motor, special education, and social-emotional development. Most of the items are available for short-term check out. Additionally, the center offers media preparation services, such as laminating, copying, duplicating, letter cutting, and transparency making. Word processing, internet access are available to students, faculty, and the community through the LRC.

The MIL is also associated with the ISU. Multimedia computers utilizing a wide variety of formats, including videodisks, DVDs, and CD-ROMs, help to insure that students are exposed to the latest technologies available.

The ISU reflects goals and objectives that maximize the effective use of facilities, staff, and resources in the School of Education.

# SCHOOL OF HEALTH PROFESSIONS AND WELLNESS

Dean: Dr. Christie Shelton

Associate Dean: Dr. Elizabeth Gullede

The School of Health Professions and Wellness was created in 2016 with the intent to house disciplines focused on health and wellness. Currently, departments include:

- Kinesiology
- Nursing
- Respiratory Therapy

## Department of Kinesiology

Department Head: Dr. Gina Mabrey

120 Kennamer Hall

The Department of Kinesiology offers three degrees:

1. Bachelor of Science in Education degree in Physical Education
2. Bachelor of Science degree in Exercise Science and Wellness
3. Bachelor of Science degree in Sport Management and Recreation Studies

Two non-teaching Bachelor of Science degrees are offered with a major Exercise Science and Wellness or Sport Management and Recreation Studies. Students majoring in Exercise Science and Wellness must choose a concentration in either Clinical or Human Performance. Students majoring in Sport Management and Recreation Studies must choose a concentration in either Sport Management or Recreational Leadership.

The Department of Kinesiology offers five (5) minors:

1. Coaching
  2. Community Health
  3. Exercise Science
  4. Recreational Leadership
  5. Sport Management
- Exercise Science and Wellness - Clinical (Bachelor of Science) (p. 111)
  - Exercise Science and Wellness - Human Performance (Bachelor of Science) (p. 113)
  - Health (6-12) and Physical Education (P-12) (Bachelor of Science in Education) (p. 114)
  - Sport Management and Recreation Studies - Recreational Leadership (Bachelor of Science) (p. 115)
  - Sport Management and Recreation Studies - Sport Management (Bachelor of Science) (p. 116)
  - Coaching Minor (p. 117)
  - Community Health Minor (p. 118)
  - Exercise Science Minor (p. 118)

- Recreational Leadership Minor (p. 118)
- Sport Management Minor (p. 118)

## Professor

Hill, Kory J. (p. 183)

Overton, Reginald F. (p. 188)

## Associate Professor

Andrews, Donnie (p. 178)

Mabrey, Regina (p. 186)

## Assistant Professor

Anderson, Thomas (p. 178)

Gilbert, Allen W. (p. 182)

Koozehchian, Majid (p. 185)

Newton, Andrew (p. 187)

## Instructor

Cochran, Lori Galloway (p. 180)

Crosson, J. Aubrey (p. 180)

Harris, Amy M. (p. 183)

Rains, Andrea (p. 189)

## Exercise Science and Wellness - Clinical (Bachelor of Science)

Students majoring in Exercise Science and Wellness – Clinical concentration may attain this degree by completing:

Course	Title	Credits
<b>General Studies Curriculum</b>		41
<b>Pre-Professional Courses</b>		
HPE 109	Concepts of Wellness	3
HPE 165	Introduction Exercise Science and Wellness	1
HPE 232	Sports Safety and First Aid Training	2
HPE 272	Basic Athletic Training	3
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
BY 263	Human Anatomy and Physiology I	4
MS 204	Basic Statistics	3
FCS 215 or FCS 322	Introductory Nutrition Normal Nutrition	3
STU 101	First Year Experience	0
<b>Core Courses</b>		
HPE 209	Essentials of Human Performance	3
HPE 350	Introduction to Personal Training	3
HPE 362	Kinesiology	3
HPE 400	Exercise Physiology	3
HPE 413	Exercise Physiology Lab	1
HPE 415	Biomechanics	3



HPE 430	Exercise Prescription	3
HPE 440	Fitness Testing	3
HPE 441	Design of Wellness Programs	3
HPE 450	ESW Research Seminar	3
HPE 465	Practicum in Exercise Science and Wellness	6
<b>Select 16 hours from the following:</b> <sup>1</sup>		<b>16</b>
BY 264	Human Anatomy and Physiology II	
BY 320	Comparative Vertebrate Anatomy	
BY 322	Genetics	
BY 323	Microbiology	
BY 373	Cell Biology	
BY 403	Immunology	
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	
EH 322	Technical Writing	
NU 130	Medical Terminology	
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I	
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II	
PSY 330	Abnormal Psychology	
Exercise Science designed electives (six hours must be 300+)		10
<b>Additional Requirements</b>		
Obtain an advisor approved national certification from the American College of Sports Medicine or National Strength and Conditioning Association		
Total Hours		124

<sup>1</sup> Advisor Designed Electives

Students will be classified as "ESW\_CLN\_Undecided" majors prior to assessment into the ESW program.

At the completion of the sophomore year, students may seek assessment into the ESW upper level courses upon email invitation from the Kinesiology Office.

Program candidates are assessed twice per year. All the following criteria must be met:

1. The candidate must have earned a minimum of 60 semester hours of college credit.
2. The candidate must have earned an overall grade point average of 3.25 based upon a 4.00 scale to include all HPE courses and BY 263 with a "C" or better. After assessment to the ESW upper level courses (Clinical concentration), the student is required to maintain a minimum 3.25 grade point average. In accordance with the Department of Kinesiology Grades Dismissal Policy, a student may repeat a professional course only once and may not accumulate more than three (3) grades of "D" or "F" in "professional studies" courses. In accordance with the Department of Kinesiology GPA Dismissal Policy, failure to maintain the appropriate GPA will result in dismissal from the ESW program. Reinstatement to the ESW program is at the discretion of the ESW committee.
3. The candidate must have submitted three (3) written recommendations to include one personal, one professional and one academic reference.

4. The candidate must satisfactorily complete an interview to provide information of the student's personality, interests, and aptitudes consistent with the requirements for a successful ESW career.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History/Social/Behavioral Science <sup>1</sup>		3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
MS 112	Precalculus Algebra	3
PSY 201	Principles of Psychology	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
HPE 109	Concepts of Wellness	3
Literature/Humanities/Fine Arts <sup>1</sup>		3
HPE 165	Introduction Exercise Science and Wellness	1
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
History/Social/Behavioral Science <sup>1</sup>		3
Hours		17
<b>Sophomore</b>		
<b>Fall</b>		
Literature/Humanities/Fine Arts <sup>1</sup>		3
HPE 209	Essentials of Human Performance	3
PSY 222	Human Development	3
BY 263	Human Anatomy and Physiology I	4
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
Hours		17
<b>Spring</b>		
Literature/Humanities/Fine Arts <sup>1</sup>		3
EH 141	Oral Communication	3
MS 204	Basic Statistics	3
HPE 232	Sports Safety and First Aid Training	2
HPE 272	Basic Athletic Training	3
FCS 215 or FCS 322	Introductory Nutrition or Normal Nutrition	3
Hours		17
<b>Junior</b>		
<b>Fall</b>		
HPE 350	Introduction to Personal Training	3
HPE 362	Kinesiology	3
HPE 400	Exercise Physiology	3
HPE 413	Exercise Physiology Lab	1
Advisor Designed Electives <sup>2</sup>		6
Hours		16
<b>Spring</b>		
HPE 415	Biomechanics	3
HPE 430	Exercise Prescription	3
Advisor Designed Electives <sup>2</sup>		6
ESW Designed Electives		4
Hours		16

Senior		
<b>Fall</b>		
HPE 440	Fitness Testing	3
Advisor Designed Electives <sup>2</sup>		4
ESW Designed Electives		6
		13
<b>Spring</b>		
HPE 441	Design of Wellness Programs	3
HPE 450	ESW Research Seminar	3
HPE 465	Practicum in Exercise Science and Wellness	6
		12
Total Hours		124

- <sup>1</sup> See General Studies Curriculum
- <sup>2</sup> Select from the following: BY 264 Human Anatomy and Physiology II (4), BY 320 Comparative Vertebrate Anatomy (4), BY 322 Genetics (4), BY 323 Microbiology (4) BY 373 Cell Biology (4), BY 403 Immunology (3), CY 106 General Chemistry II (3) and CY 108 General Chemistry Laboratory II (1), EH 322 Technical Writing (3), NU 130 Medical Terminology (3), PHS 201 College Physics I (3) and PHS 203 College Physics Laboratory Techniques I (1), PHS 202 College Physics II (3) and PHS 204 College Physics Laboratory Techniques II (1), PSY 330 Abnormal Psychology (3).

## Exercise Science and Wellness - Human Performance (Bachelor of Science)

Students majoring in Exercise Science and Wellness – Human Performance concentration may attain this degree by completing:

Course	Title	Credits
<b>General Studies Curriculum</b>		41
<b>Pre-Professional Courses</b>		
HPE 109	Concepts of Wellness	3
HPE 165	Introduction Exercise Science and Wellness	1
HPE 232	Sports Safety and First Aid Training	2
HPE 272	Basic Athletic Training	3
BY 263	Human Anatomy and Physiology I	4
MS 204	Basic Statistics	3
or ST 260	Statistics/Quantitative Methods I	
FCS 215	Introductory Nutrition	3
or FCS 322	Normal Nutrition	
STU 101	First Year Experience	0
<b>Core Curriculum</b>		
HPE 209	Essentials of Human Performance	3
HPE 350	Introduction to Personal Training	3
HPE 362	Kinesiology	3
HPE 400	Exercise Physiology	3
HPE 413	Exercise Physiology Lab	1
HPE 415	Biomechanics	3
HPE 430	Exercise Prescription	3
HPE 440	Fitness Testing	3
HPE 441	Design of Wellness Programs	3
HPE 450	ESW Research Seminar	3
HPE 465	Practicum in Exercise Science and Wellness	6

Exercise Science designed electives (six hours must be 300+)	10
Advisor guided electives	16
Obtain an advisor approved national certification from the American College of Sports Medicine or National Strength and Conditioning Association	
<b>Total Hours</b>	<b>120</b>

Students will be classified as “ESW\_HP\_N\_Undecided” majors prior to assessment for upper level ESW courses.

At the completion of the sophomore year, students may seek assessment into the ESW upper level courses upon email invitation Kinesiology Office.

Program candidates are assessed twice per year. All the following criteria must be met:

1. The candidate must have earned a minimum of 60 semester hours of college credit.
2. The candidate must have earned an overall grade point average of 2.50 based upon a 4.00 scale to include all HPE courses and BY 263 with a “C” or better. After assessment to the ESW upper level courses (Human Performance concentration), the student is required to maintain a minimum 2.50 grade point average. In accordance with the Department of Kinesiology Grades Dismissal Policy, a student may repeat a professional course only once and may not accumulate more than three (3) grades of “D” or “F” in “professional studies” courses. In accordance with the Department of Kinesiology GPA Dismissal Policy, failure to maintain the appropriate GPA will result in dismissal from the ESW program. Reinstatement to the ESW program is at the discretion of the ESW committee.
3. The candidate must have submitted three (3) written recommendations from professors in the general studies area.
4. The candidate must satisfactorily complete an interview to provide information of the student’s personality, interests, and aptitudes consistent with the requirements for a successful ESW career.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History/Social/Behavioral Science <sup>1</sup>		3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
MS 112	Precalculus Algebra	3
PSY 201	Principles of Psychology	3
STU 101	First Year Experience	0
		16
<b>Spring</b>		
EH 102	English Composition	3
HPE 109	Concepts of Wellness	3
Literature/Humanities/Fine Arts <sup>1</sup>		3
HPE 165	Introduction Exercise Science and Wellness	1
BY 263	Human Anatomy and Physiology I	4
History/Social/Behavioral Science		3
		17

Sophomore		
<b>Fall</b>		
Literature/Humanities/Fine Arts <sup>1</sup>		3
HPE 209	Essentials of Human Performance	3
PSY 222	Human Development	3
EH 141	Oral Communication	3
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
	Hours	16
<b>Spring</b>		
Literature/Humanities/Fine Arts <sup>1</sup>		3
ESW Designed Elective		3
MS 204 or ST 260	Basic Statistics or Statistics/Quantitative Methods I	3
HPE 232	Sports Safety and First Aid Training	2
HPE 272	Basic Athletic Training	3
FCS 215 or FCS 322	Introductory Nutrition or Normal Nutrition	3
	Hours	17
<b>Junior</b>		
<b>Fall</b>		
HPE 350	Introduction to Personal Training	3
HPE 362	Kinesiology	3
HPE 400	Exercise Physiology	3
HPE 413	Exercise Physiology Lab	1
Advisor Designed Electives		3
ESW Designed Electives		4
	Hours	17
<b>Spring</b>		
HPE 415	Biomechanics	3
HPE 430	Exercise Prescription	3
Advisor Designed Electives		4
ESW Designed Electives		3
	Hours	13
<b>Senior</b>		
<b>Fall</b>		
Advisor Designed Electives		9
HPE 440	Fitness Testing	3
	Hours	12
<b>Spring</b>		
HPE 441	Design of Wellness Programs	3
HPE 465	Practicum in Exercise Science and Wellness	6
HPE 450	ESW Research Seminar	3
	Hours	12
	Total Hours	120

<sup>1</sup> See General Studies Curriculum

## Health (6-12) and Physical Education (P-12) (Bachelor of Science in Education)

Students who meet the requirements for education degree programs will be eligible to apply for a baccalaureate level Professional Certificate and will be qualified to teach Health Education in grades 6-12 and Physical Education in grades P through 12. Of the 120 hours required to attain the Bachelor of Science in Education degree, the Health and Physical Education major must successfully complete:

Course	Title	Credits
<b>Teaching Field and Departmental Courses</b>		46
A minimum of 46 hours including:		
HPE 103	Foundations of Health and Physical Education	
HPE 109	Concepts of Wellness	
HPE 145	Team Sport Skills	
HPE 146	Individual and Dual Sports Skills	
HPE 260	Motor Development	
HPE 232	Sports Safety and First Aid Training	
HPE 355	Introductory Methods of Elementary HPE	
HPE 356	Introductory Methods of Secondary HPE	
HPE 357	21st Century Technology in HPE	
HPE 362	Kinesiology	
HPE 370	School Health Programs	
HPE 381	Inclusive Physical Education	
HPE 400	Exercise Physiology	
HPE 404	Test and Measurements in HPE	
HPE 415	Biomechanics	
SMR 271	Recreational Games and Group Development Activities	
Two hours of fitness activity		
<b>Professional Studies Courses</b>		33
33 hours are required, which include:		
ED 302	Introductory Foundations in Teacher Education	
SPE 300	Survey of Exceptional Children and Youth	
HPE 409	Methods of Teaching Physical Education, P-5	
HPE 410	Methods of Teaching PE, 6-12	
HPE 411	Practicum in Physical Education, P-12	
HPE 416	Methods of Teaching Health Education	
HPE 417	Practicum in Health Education	
HPE 462	Effective Teaching in HPE	
<b>Internship</b>		
HPE 482	Seminar in HPE	
ED 495	Internship in Education	
ED 496	Reflective Practices in Education	
<b>Teacher Eligibility</b>		
The following courses must be taken prior to teacher education eligibility:		
HPE 103	Foundations of Health and Physical Education	
ED 302	Introductory Foundations in Teacher Education	
SPE 300	Survey of Exceptional Children and Youth	

While Health and Physical Education is housed in the School of Health Professions and Wellness within the Department of Kinesiology, students must adhere to all rules and policies set forth by Teacher Education Services to comply with Alabama State Department of Education requirements. Health and Physical Education (teacher education) degree requirements may be altered to meet changes in federal and Alabama State Department of Education regulations.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History <sup>1</sup>		3
Fine Arts <sup>2</sup>		3
Social/Behavioral Science <sup>3</sup>		3
HPE Fitness Activity		1
HPE Fitness Activity		1
STU 101	First Year Experience	0
Hours		14
<b>Spring</b>		
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
History/Social Behavioral Science <sup>4</sup>		3
Fine Arts/Social Behavioral Science <sup>4</sup>		3
MS 110	Finite Mathematics	3
EH 102	English Composition	3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>5</sup>		3
History/Literature/Fine Arts/Social and Behavioral Science <sup>4</sup>		3
EH 141	Oral Communication	3
HPE 109	Concepts of Wellness	3
BY 263	Human Anatomy and Physiology I	4
Hours		16
<b>Spring</b>		
HPE 103	Foundations of Health and Physical Education	3
HPE 145	Team Sport Skills	2
HPE 146	Individual and Dual Sports Skills	2
HPE 260	Motor Development	3
HPE 362	Kinesiology	3
SMR 271	Recreational Games and Group Development Activities	2
Hours		15
<b>Junior</b>		
<b>Fall</b>		
HPE 381	Inclusive Physical Education	3
HPE 400	Exercise Physiology	3
HPE 415	Biomechanics	3
HPE 462	Effective Teaching in HPE	3
SPE 300	Survey of Exceptional Children and Youth	3
Hours		15
<b>Spring</b>		
ED 302	Introductory Foundations in Teacher Education	3
HPE 232	Sports Safety and First Aid Training	2
HPE 355	Introductory Methods of Elementary HPE	3
HPE 356	Introductory Methods of Secondary HPE	3
HPE 357	21st Century Technology in HPE	3
Hours		14
<b>Summer</b>		
HPE 370	School Health Programs	3
HPE 416	Methods of Teaching Health Education	3
Hours		6
<b>Senior</b>		
<b>Fall</b>		
HPE 404	Test and Measurements in HPE	3
HPE 409	Methods of Teaching Physical Education, P-5	3
HPE 410	Methods of Teaching PE, 6-12	3
HPE 411	Practicum in Physical Education, P-12	2
HPE 417	Practicum in Health Education	1
Hours		12

Course	Title	Hours
HPE 482	Seminar in HPE	3
ED 495	Internship in Education	6
ED 496	Reflective Practices in Education	3
Hours		12
Total Hours		120

<sup>1</sup> A minimum of three hours of history is required. Select from HY 101 Western Civilization I (3), HY 102 Western Civilization II (3), HY 201 American History I (3), HY 202 American History II (3); a six-hour sequence of either literature or history is required.

<sup>2</sup> Select from ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3) or MU 233 Introduction to Music (3).

<sup>3</sup> Select from AN 224 Introduction to Anthropology (3), EC 221 Principles of Microeconomics (3), EC 222 Principles of Macroeconomics (3), GY 120 World Regional Geography (3), GY 220 Human Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), PSY 222 Human Development (3), or SY 221 Introduction to Sociology (3).

<sup>4</sup> If student chooses only three hours of history, then an additional three hours of approved social/behavioral science will be necessary. If student chooses only three hours of literature, then an additional three hours of approved fine arts/humanities will be necessary.

<sup>5</sup> A minimum of three hours of literature is required. Select from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3) or EH 232 World Literature II (3); a six-hour sequence of either literature or history is required.

Note: All professional education courses and selected teaching field courses must be completed at JSU and may not be transferred from another institution. Please check with your academic department for a complete list of these courses.

## Sport Management and Recreation Studies - Recreational Leadership (Bachelor of Science)

Students pursuing a concentration in Recreational Leadership must complete the following:

Course	Title	Credits
<b>Pre-Professional Courses</b>		
HPE 109	Concepts of Wellness	3
HPE 232	Sports Safety and First Aid Training	2
SMR 221	Foundations of Sport Management and Recreation	3
SMR 271	Recreational Games and Group Development Activities	2
<b>Degree Requirements</b>		
SMR 302	Field Experience in Recreation and Youth Leadership	3
SMR 340	Legal and Ethical Aspects of Sport Management and Recreation	3
SMR 355	Principles of Finance in Sport Management and Recreation	3
SMR 450	Sport and Recreation Facility Management	3

SMR 476	Sport Management and Recreation Marketing	3
SMR 486	Sport Management and Recreation Promotion and Event Planning	3
SMR 490	Sport Management and Recreation Administration	3
SMR 492	Internship in Sport Management and Recreation	6
<b>Recreation Concentration</b>		
SMR 310	Camping and Outdoor Education	3
SMR 311	Recreation for the Aged	3
SMR 312	Organization and Administration of Camp Programming	3
SMR 360	Challenge Course Programs and Management	3
SMR 420	Youth Development Leadership	3
Select six hours of recreation electives from the following:		
SMR 275	Outdoor Pursuits Expedition Field Seminar	
SMR 301	Youth Sports Program	
SMR 302	Field Experience in Recreation and Youth Leadership	
SMR 321	Sports Officiating I	
SMR 322	Sports Officiating II	
HPE 301	Industry Management	

**Activity Courses**

Select three hours of activity courses 3

**Minor Courses and General Electives**

Select eighteen to twenty-four hours of minor courses and general electives with the approval of advisor 18-24

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
MS 110	Finite Mathematics	3
History/Social/Behavioral Science <sup>1</sup>		3
HPE 109	Concepts of Wellness	3
Humanities/Fine Arts <sup>1</sup>		3
STU 101	First Year Experience	0
Hours		15
<b>Spring</b>		
EH 102	English Composition	3
Humanities/Fine Arts <sup>1</sup>		3
History/Social/Behavioral Science <sup>1</sup>		3
Natural Science		4
EH 141	Oral Communication	3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Humanities/Fine Arts <sup>1</sup>		3
History/Social/Behavioral Science <sup>1</sup>		3
SMR 221	Foundations of Sport Management and Recreation	3
Natural Science		4
Hours		13
<b>Spring</b>		
History/Social/Behavioral Science		3
SMR 271	Recreational Games and Group Development Activities	2

Minor Electives		9
HPE 232	Sports Safety and First Aid Training	2
Hours		16
<b>Junior</b>		
<b>Fall</b>		
SMR 310	Camping and Outdoor Education	3
SMR 355	Principles of Finance in Sport Management and Recreation	3
SMR 420	Youth Development Leadership	3
SMR 486	Sport Management and Recreation Promotion and Event Planning	3
SMR 302	Field Experience in Recreation and Youth Leadership	3
Hours		15
<b>Spring</b>		
SMR 311	Recreation for the Aged	3
SMR 312	Organization and Administration of Camp Programming	3
SMR 360	Challenge Course Programs and Management	3
SMR 340	Legal and Ethical Aspects of Sport Management and Recreation	3
SMR 476	Sport Management and Recreation Marketing	3
Activity Course		2
Hours		17
<b>Senior</b>		
<b>Fall</b>		
SMR 450	Sport and Recreation Facility Management	3
SMR 490	Sport Management and Recreation Administration	3
Recreation Electives		3
Minor Electives		6
Activity Course		1
Hours		16
<b>Spring</b>		
Recreation Electives		3
Minor Electives		3
SMR 492	Internship in Sport Management and Recreation	6
Hours		12
Total Hours		120

<sup>1</sup> Students must complete a 6-hour sequence in either Literature or History with a minimum of 3 semester hours in Literature or History.

## Sport Management and Recreation Studies - Sport Management (Bachelor of Science)

Students pursuing a concentration in Sport Management must complete the following:

Course	Title	Credits
<b>Pre-Professional Courses</b>		
MS 204 or ST 260	Basic Statistics Statistics/Quantitative Methods I	3
SMR 221	Foundations of Sport Management and Recreation	3
SMR 231	History of Sport	3
<b>Degree Requirements</b>		
SMR 302	Field Experience in Recreation and Youth Leadership	3
SMR 340	Legal and Ethical Aspects of Sport Management and Recreation	3

SMR 355	Principles of Finance in Sport Management and Recreation	3
SMR 450	Sport and Recreation Facility Management	3
SMR 476	Sport Management and Recreation Marketing	3
SMR 486	Sport Management and Recreation Promotion and Event Planning	3
SMR 490	Sport Management and Recreation Administration	3
SMR 492	Internship in Sport Management and Recreation	6

**Sport Management Concentration**

Select 15 hours of sport management concentration courses from the following: 15

SMR 331	Topics in International Sport Management and Recreation	
SMR 410	Business of Sport	
SMR 425	Contemporary Issues in Sport Management and Recreation	
SMR 440	Communication in Sport	
SMR 466	Public and Media Relations	

Select 10 hours of advisor-approved sport management electives <sup>1</sup>

**Minor Courses and General Electives**

Select 18 to 24 hours of minor courses and general electives with the approval of advisor

<sup>1</sup> Examples of advisor-approved sport management electives include ACC 200 Principles of Accounting I (3), ACC 210 Principles of Accounting II (3), COM 200 Introduction to Mass Communication (3), HPE 301 Industry Management (3), MKT 301 Principles of Marketing (3), SMR 301 Youth Sports Program (3), SMR 321 Sports Officiating I (3) or SMR 322 Sports Officiating II (3), SMR 335 Human Resource Management in Sport and Recreation (3), and ST 261 Statistics/Quantitative Methods II (3).

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
MS 112	Precalculus Algebra	3
History/Literature Sequence <sup>1</sup>		3
Natural Science		4
Humanities/Fine Arts		3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
Humanities/Fine Arts		3
History/Literature Sequence <sup>1</sup>		3
Natural Science		4
EH 141	Oral Communication	3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
History/Literature Sequence <sup>1</sup>		3
EC 221	Principles of Microeconomics	3
SMR 221	Foundations of Sport Management and Recreation	3

Minor/Electives	3	
Sport Management Electives <sup>2</sup>	3	
Hours		15

**Spring**

MS 204 or ST 260	Basic Statistics or Statistics/Quantitative Methods I	3
EC 222	Principles of Macroeconomics	3
SMR 231	History of Sport	3
Minor/Electives	6	
Hours		15

**Junior Fall**

Minor/Electives	3	
SMR 302	Field Experience in Recreation and Youth Leadership	3
SMR 355	Principles of Finance in Sport Management and Recreation	3
SMR 440	Communication in Sport	3
SMR 450	Sport and Recreation Facility Management	3
Sport Management Electives <sup>2</sup>	1	
Hours		16

**Spring**

SMR 331	Topics in International Sport Management and Recreation	3
SMR 340	Legal and Ethical Aspects of Sport Management and Recreation	3
SMR 410	Business of Sport	3
SMR 476	Sport Management and Recreation Marketing	3
Sport Management Electives <sup>2</sup>	3	
Hours		15

**Senior Fall**

SMR 425	Contemporary Issues in Sport Management and Recreation	3
SMR 466	Public and Media Relations	3
SMR 486	Sport Management and Recreation Promotion and Event Planning	3
SMR 490	Sport Management and Recreation Administration	3
Minor/Electives	3	
Hours		15

**Spring**

Sport Management Electives <sup>2</sup>	3	
Minor/Electives	3	
SMR 492	Internship in Sport Management and Recreation	6
Hours		12
Total Hours		120

<sup>1</sup> Students must complete a 6-hour sequence in either Literature or History with a minimum of 3 semester hours in Literature or History.

<sup>2</sup> Examples of advisor-approved sport management electives include ACC 200 Principles of Accounting I (3), ACC 210 Principles of Accounting II (3), COM 200 Introduction to Mass Communication (3), HPE 301 Industry Management (3), MKT 301 Principles of Marketing (3), SMR 301 Youth Sports Program (3), SMR 321 Sports Officiating I (3) or SMR 322 Sports Officiating II (3), SMR 335 Human Resource Management in Sport and Recreation (3), and ST 261 Statistics/Quantitative Methods II (3).

## Coaching Minor

A minor in Coaching is available for students majoring in non-teaching degree fields. The minor consists of 11 required hours and 7 approved elective hours for a minimum of 18 hours.

Course	Title	Credits
<b>Core Courses</b>		
HPE 232	Sports Safety and First Aid Training	2
HPE 391	Methods and Principles in Coaching	3
HPE 405	Scientific Principles of Conditioning	3
HPE 394	Coaching Skills Practicum	3
Select seven hours of sports pedagogy seminars (HPE 320-331)		7
Total Hours		18

## Community Health Minor

A minor in Community Health is available for students majoring in non-teaching degree fields. A minimum of 18 hours is required, which must include:

Course	Title	Credits
HPE 212	Personal and Community Health	3
HPE 312	Health Problems and Disease Prevention	3
HPE 315	Community and Consumer Health	3
HPE 318	Health for Special Populations	3
HPE 360	Child and Adolescent Health and Wellness	3
HPE 420	Health Aspects of Aging	3
Total Hours		18

## Exercise Science Minor

A minor in Exercise Science is available for students who are pursuing a non-teaching degree. The minor consists of 13 required hours and 9 approved elective hours for a minimum of 22 hours.

Course	Title	Credits
HPE 109	Concepts of Wellness	3
HPE 165	Introduction Exercise Science and Wellness	1
HPE 362	Kinesiology	3
HPE 400	Exercise Physiology	3
HPE 415	Biomechanics	3
Select nine hours of electives from the following:		9
HPE 272	Basic Athletic Training	
HPE 405	Scientific Principles of Conditioning	
HPE 406	Physical Fitness Techniques	
HPE 440	Fitness Testing	
Total Hours		22

## Recreational Leadership Minor

A minor in Recreational Leadership is available for students majoring in non-teaching degree fields. The minor consists of 11 required hours and 9 approved elective hours for a minimum of 20 hours.

Course	Title	Credits
SMR 221	Foundations of Sport Management and Recreation	3
SMR 271	Recreational Games and Group Development Activities	2
SMR 310	Camping and Outdoor Education	3
SMR 486	Sport Management and Recreation Promotion and Event Planning	3

Select six hours from the following: 6

SMR 275	Outdoor Pursuits Expedition Field Seminar
SMR 301	Youth Sports Program
SMR 302	Field Experience in Recreation and Youth Leadership
SMR 312	Organization and Administration of Camp Programming
SMR 420	Youth Development Leadership

Select three hours from the following: 3

HPE 111	Beginning Hiking
HPE 113	Mountain Biking
HPE 114	Bicycling
HPE 140	Alpine Skiing
HPE 141	Alpine Skiing II
HPE 158	Canoe and Rafting
HPE 164	Rock Climbing and Rappelling

Total Hours 20

## Sport Management Minor

A minor in Sport Management requires 18 hours of Sport Management and Recreation coursework.

Course	Title	Credits
Select eighteen hours from the following: 18		
SMR 335	Human Resource Management in Sport and Recreation	
SMR 340	Legal and Ethical Aspects of Sport Management and Recreation	
SMR 355	Principles of Finance in Sport Management and Recreation	
SMR 450	Sport and Recreation Facility Management	
SMR 476	Sport Management and Recreation Marketing	
SMR 331	Topics in International Sport Management and Recreation	
SMR 425	Contemporary Issues in Sport Management and Recreation	
SMR 466	Public and Media Relations	
SMR 486	Sport Management and Recreation Promotion and Event Planning	
Total Hours		18

A minor in Sport Management is available for students majoring in non-teaching degree fields and may not be taken in conjunction with a major in Recreational Leadership.

## Department of Nursing

Department Head: Dr. Elizabeth Gullede

JSU South Complex

Accredited by: Commission on Collegiate Nursing Education

655 K Street, NW Suite 750  
Washington, DC, 20001  
(202) 887-6791

The Lurleen B. Wallace Department of Nursing is approved by the Alabama Board of Nursing, which entitles its graduates to apply to write the National Council Licensure Examination for Registered Nurses (NCLEX-RN®).

The baccalaureate degree program in nursing at Jacksonville State University is accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, 202-887-6791.

Students begin the nursing program by taking core requirement courses. A separate application is filed to request assessment into the clinical portion (upper division) of nursing. The department assesses students for eligibility for the upper division nursing program in the spring and fall of each year. The deadline for submission of applications for assessment to the upper division program of nursing is June 1st for fall and October 1st for spring. Late applications are not accepted. Only students who have been admitted to Jacksonville State University and who meet eligibility requirements may apply for assessment into the upper division nursing program. Those planning to apply for assessment into the upper division nursing program should contact the Director of Academic Services in the School of Health Professions and Wellness well in advance of the application deadline in order to confirm eligibility.

Entry into the upper division of nursing requires completion of all core requirement courses with a core requirement grade point average (GPA) of 2.75 or above and a minimum grade of "C" in each core requirement course. Once a passing grade of "C" or above has been earned in a course, that course cannot be repeated for a higher grade. Students who do not meet the above standards are not eligible to apply for assessment into upper division. Each student's record will be assessed for completion of core requirements and as a basis for approval to enter the upper division. The review process may include a personal interview with the candidate, a background check, contact with personal references, and, if the student has been enrolled in other nursing programs, contact with previous nursing faculty. The assessment process may also include evaluation of essential academic skills and critical thinking. Students must have a current ACT score of 20 (within five years). Students who have English as a second language must present a minimum score on the TOEFL (Test of English as a Foreign Language) exam taken within four years. To be eligible for assessment into upper division, minimum scores are: 560 for TOEFL Written (paper based), 220 for TOEFL CBT (computer based), or 83 for iBT (internet based). Students native to countries where English is a commonly used language and/or those who have been living in a country for many years where English is a primary spoken language may request a waiver of this requirement. A student who has been enrolled in any upper division nursing program (RN or LPN) and was unsuccessful in progressing satisfactorily in that program is not eligible to apply. The Department of Nursing reserves the right to limit the number of students enrolled in nursing courses in order to make the most effective use of the educational resources available. Because of limited resources, eligibility for the program is competitive; all students who qualify may not be selected. Students must comply with all Department of Nursing policies for entrance into and continuation in the nursing program, which include, but are not limited to, a clear criminal background check and drug screen.

The student is advised to review qualifications for licensure as well as grounds for denial of licensure before beginning the nursing major. Qualifications for RN licensure by examination in Alabama include:

- high school graduation or the equivalent, as determined by the Board
- good moral character

- successful completion of requirements for graduation from a Board-approved registered nurse program (Alabama Board of Nursing Administrative Code 610-X-4-01 and 610-X-8-02.0)

While an applicant may meet the above qualifications, final approval to take the licensure examination and become licensed in Alabama is subject to action by the Board of Nursing.

A criminal background check may be conducted by the Board at its discretion. Grounds for denial of an RN license by examination in Alabama include, but are not limited to:

- failure to meet any requirement or standard established by law or by rules and regulations adopted by the Board
- engaging in fraud, misrepresentation, deception, or concealment of a material fact in applying for or securing licensure or taking any examination required for licensure
- any course of conduct that would be grounds for discipline by the Board under Administrative Code 610-X-8-03, including, but not limited to:
  - a. conviction of a felony
  - b. conviction of, or entering a plea of guilt regardless of disposition, of a misdemeanor or felony involving moral turpitude or gross immorality (drugs, theft, lewdness, sexual misconduct, abuse, violence, fraud; or any other conduct detrimental to the public's health, safety, or welfare)
  - c. having been court-martialed or administratively discharged from any branch of the United States Armed Forces for any act of conduct that would be grounds for discipline by the Board under Administrative Code 610-X-8-03
- failure to show good moral character as pertaining to nursing
- abuse of, or addiction to, alcohol or other drugs, including misappropriation or diversion of drugs from the workplace, testing positive for alcohol and/or unauthorized mood altering drugs
- impairment while on duty due to alcohol or drugs
- refusal to submit to a drug screen for cause
- being mentally incompetent
- unprofessional conduct of a character likely to deceive, defraud, or injure the public in matters pertaining to health
- any other reasons authorized by law (Code of Alabama, 1975, Section 34-21-25 and Section 34-21-2[1]; Alabama Board of Nursing Administrative Code 610 X-8-02 and 610-X-8-03)

A criminal and/or drug history could result in denial of permission to take the licensure examination. Applicants must also disclose (on the application to take the licensure exam) arrests that did not result in convictions and attach those court records to the application. Students applying for licensure in other states are advised to contact the board of nursing in that state for specific requirements.

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- STEP Program RN-BSN (p. 122)

## Professor

Shelton, Christie (p. 190)

## Associate Professor

Dunn, Donna C. (p. 181)



Gulledge, Elizabeth D. (p. 183)

Helms, Kimberly (p. 183)

Keith, Leigh A. (p. 184)

Waits, Phyllis (p. 192)

Walker, Laura P. (p. 192)

Williamson, Myrna (p. 192)

## Assistant Professor

Akisanya, Oyetunji (p. 178)

Barrow, Laura (p. 178)

Edge, Jr., Windon (p. 181)

Hill, Lori (p. 183)

McGrath, Lori S. (p. 187)

Stephens, Douglas (p. 190)

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## Distinguished Lecturer

Bougere, Marilyn (p. 179)

## Instructor

Acker, Jennifer (p. 178)

Chandler, Yolanda (p. 180)

Daugherty, Annette (p. 180)

Deweese, Sherron (p. 181)

Duckett, Melissa (p. 181)

Frank, Jennifer (p. 181)

Goodwin, Heather (p. 182)

Gramling, Serena (p. 182)

Key, Wendy (p. 184)

Killen, Tammy L. (p. 184)

Morrow, Tammy L. (p. 187)

Pearce, Allison B. (p. 188)

Robinson, Katie (p. 189)

Scroggin, Karen (p. 189)

Smedley, Rachel (p. 190)

# Nursing (Bachelor of Science in Nursing)

## Core Requirement Courses for Upper Division in Nursing (62 Semester Hours)

*The following list of courses is not intended to be a substitute for individual advisement by a Department of Nursing academic advisor.*

Course	Title	Credits
<b>Area I (6 Semester Hours) <sup>1</sup></b>		
EH 101	English Composition	3
EH 102	English Composition	3
<b>Area II (12 Semester Hours)</b>		
Literature <sup>2</sup>		3
Literature <sup>2</sup>		3
Fine Arts <sup>3</sup>		3
EH 141	Oral Communication	3
<b>Area III (11 Semester Hours)</b>		
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
CY 115	Concepts of General Chemistry I	4
MS 112	Precalculus Algebra	3
<b>Area IV (12 Semester Hours)</b>		
History <sup>4</sup>		3
History <sup>4</sup>		3
PSY 201	Principles of Psychology	3
PSY 222	Human Development	3
<b>Area V (21 Semester Hours)</b>		
BY 263	Human Anatomy and Physiology I	4
BY 264	Human Anatomy and Physiology II	4
BY 283	Health Microbiology	4
MS 204	Basic Statistics	3
FCS 322	Normal Nutrition	3
NU 121	Ethics in Nursing	3
<b>Total Hours</b>		<b>62</b>

<sup>1</sup> All students with less than 24 earned hours must take STU 101 First Year Experience (0).

<sup>2</sup> Minimum of three hours of literature required [select from: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 231 World Literature I (3), EH 232 World Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3)]; a six-hour sequence of either literature or history is required.

<sup>3</sup> Minimum three hours fine arts required [select from ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3)]. If student chooses only three hours of literature, then history must be a six-hour sequence, and an additional three hours of approved fine arts or humanities will be necessary.

<sup>4</sup> Minimum of three hours of history required [select from HY 101 Western Civilization I (3), HY 102 Western Civilization II (3), HY 201 American History I (3), HY 202 American History II (3)]; a six-hour sequence of either literature or history is required. If student chooses only three hours of history, then literature must be a six-hour sequence and an additional three hours of approved social/behavioral science will be necessary.

## Upper Division Nursing Courses (67 Semester Hours)

Course	Title	Credits
<b>First Semester (14 Semester Hours)</b>		
NU 305	A Bridge to Success	0
NU 306	Pharmacology	4
NU 309	Health Assessment	4
NU 311	Foundations of Nursing Practice	6
<b>Second Semester (13 Semester Hours)</b>		
NU 322	Health Deviations and Clinical Interventions	3
NU 325	Adult Health in Secondary and Community Settings	5
NU 326	Psychiatric Mental Health Nursing	5
<b>Summer Semester (2 Semester Hours)</b>		
NU 400	Research and Outcomes Management	2
<b>Third Semester (12 Semester Hours)</b>		
NU 403	Nursing Care of Children and Families	5
NU 404	Childbearing Families	5
NU 422	Foundations of Nursing Leadership	2
<b>Fourth Semester (13 Semester Hours)</b>		
NU 424	Adult Health in Secondary, Tertiary, and Community Settings	5
NU 426	Community Health Across the Lifespan	5
NU 433	Advanced Health Deviations and Clinical Interventions	3
<b>Fifth Semester (12 Semester Hours)</b>		
NU 302	Preparation for NCLEX Success	3
NU 428	Practicum	6
NU 455	Transition to Professional Nursing	4
Total Hours		67

### Total 120-129 Semester Hours

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
MS 112	Precalculus Algebra	3
PSY 201	Principles of Psychology	3
Fine Arts/ Humanities		3
STU 101	First Year Experience <sup>1</sup>	0
	Hours	16
<b>Spring</b>		
EH 102	English Composition	3
MS 204	Basic Statistics	3
EH 141	Oral Communication	3
BY 263	Human Anatomy and Physiology I	4
History <sup>2</sup>		3
	Hours	16
<b>Sophomore</b>		
<b>Fall</b>		
BY 264	Human Anatomy and Physiology II	4
Literature		3
FCS 322	Normal Nutrition	3

History/Social/Behavioral Science <sup>2</sup>		3
NU 121	Ethics in Nursing	3
	Hours	16
<b>Spring</b>		
BY 283	Health Microbiology	4
CY 115	Concepts of General Chemistry I	4
Literature/Humanities/Fine Art <sup>4</sup>		3
History/Social/Behavioral Science <sup>2</sup>		3
	Hours	14
<b>Junior</b>		
<b>Fall</b>		
NU 305	A Bridge to Success	0
NU 306	Pharmacology	4
NU 309	Health Assessment	4
NU 311	Foundations of Nursing Practice	6
	Hours	14
<b>Spring</b>		
NU 322	Health Deviations and Clinical Interventions	3
NU 325	Adult Health in Secondary and Community Settings	5
NU 326	Psychiatric Mental Health Nursing	5
	Hours	13
<b>Summer</b>		
NU 400	Research and Outcomes Management	2
	Hours	2
<b>Senior</b>		
<b>Fall</b>		
NU 403	Nursing Care of Children and Families	5
NU 404	Childbearing Families	5
NU 422	Foundations of Nursing Leadership	2
	Hours	12
<b>Spring</b>		
NU 424	Adult Health in Secondary, Tertiary, and Community Settings	5
NU 426	Community Health Across the Lifespan	5
NU 433	Advanced Health Deviations and Clinical Interventions	3
	Hours	13
<b>Summer</b>		
NU 302	Preparation for NCLEX Success	3
NU 428	Practicum	6
NU 455	Transition to Professional Nursing	4
	Hours	13
	Total Hours	129

<sup>1</sup> All students with less than 24 earned hours must take STU 101 First Year Experience (0).

<sup>2</sup> Minimum of three hours of history required [select from HY 101 Western Civilization I (3), HY 102 Western Civilization II (3), HY 201 American History I (3), or HY 202 American History II (3). A six-hour sequence of either literature or history is required. If student chooses only three hours of history, then literature must be a six-hour sequence and an additional three hours of approved social/behavioral science will be necessary.

<sup>3</sup> Minimum of three hours of literature required [select from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 231 World Literature I (3), EH 232 World Literature II (3), EH 219 Honors Literature I (3) and EH 220 Honors Literature II (3).] A six-hour sequence of either literature or history is required.

<sup>4</sup> Minimum of three hours fine arts required [select from ART 202 Art Appreciation (3), or MU 233 Introduction to Music (3)]. If student chooses only three hours of literature, then history must be a six-hour sequence, and an additional three hours of approved fine arts or humanities will be necessary.

## STEP Program RN-BSN

The Department of Nursing embraces the concept of nursing education advancement for individuals holding an associate degree or diploma in nursing. The Strategic Teaching for Enhanced Professional Preparation (STEP) program is a quality program designed to provide a seamless educational transition for registered nurses. The completely online delivery of this curriculum allows students to advance their nursing education while continuing to fulfill personal and professional responsibilities.

After completion of general studies requirements, nursing courses may be completed in one calendar year online for the full time student. Courses in the professional component of the BSN program are delivered via the internet and other distant learning modalities as the educational platform for teaching.

### Application deadlines:

Date	Event
August 1st	Fall Assessment
December 1st	Spring Assessment
April 1st	Summer Assessment

## Core Requirement Courses for STEP Program in Nursing (62 Semester Hours)

The following list of courses is not intended to be a substitute for individual advisement by a Department of Nursing academic advisor. Students with a four-year degree from a US accredited college or university, who also have an associate degree in nursing, will be admitted to the STEP Program with no additional core requirements.

Course	Title	Credits
<b>Area I (6 Semester Hours)</b>		
EH 101	English Composition	3
EH 102	English Composition	3
<b>Area II (12 Semester Hours)</b>		
Literature <sup>1</sup>		3
Literature <sup>1</sup>		3
Fine Arts <sup>2</sup>		3
Humanities or Fine Art <sup>2</sup>		3
<b>Area III (11 Semester Hours)</b>		
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
CY 115	Concepts of General Chemistry I <sup>3</sup>	4
MS 112	Precalculus Algebra <sup>3</sup>	3
<b>Area IV (12 Semester Hours)</b>		
History <sup>4</sup>		3
History <sup>4</sup>		3
PSY 201	Principles of Psychology	3
Social Science or Behavioral Science <sup>4</sup>		3

<b>Area V (21 Semester Hours)</b>		
BY 263	Human Anatomy and Physiology I	4
BY 264	Human Anatomy and Physiology II	4
BY 283	Health Microbiology	4
Pre-professional, Major and Elective Courses		9
Total Hours		62

- <sup>1</sup> Minimum of three hours of literature required [select from: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 231 World Literature I (3), EH 232 World Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3)]; a six-hour sequence of either literature or history is required.
- <sup>2</sup> Minimum three hours of fine arts required [select from ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3)]. If student chooses only three hours of literature, then history must be a six-hour sequence, and an additional three hours of approved fine arts or humanities will be necessary.
- <sup>3</sup> Approved Science from STARS Guide may be substituted for CY 115 Concepts of General Chemistry I (4). MS 110 Finite Mathematics (3) may be substituted for MS 112 Precalculus Algebra (3).
- <sup>4</sup> Minimum of three hours of history required [select from HY 101 Western Civilization I (3), HY 102 Western Civilization II (3), HY 201 American History I (3), HY 202 American History II (3)]; a six-hour sequence of either literature or history is required. If student chooses only three hours of history, then literature must be a six-hour sequence and an additional three hours of approved social/behavioral science will be necessary.

## Required Nursing Courses

The required nursing courses can be completed online in three semesters (one calendar year). Completion of the upper division STEP nursing courses must occur in ten (10) semesters. Using the internet, a learning management system, and other distance learning modalities, the program is delivered at a time and place convenient to the individual student. The following courses are required for registered nurses in the STEP program.

Course	Title	Credits
<b>Semester I <sup>5</sup></b>		
NU 313	Online Orientation to the STEP Program	0
NU 345	Communication of Ethical Issues	4
NU 352	Health Assessment Across the Lifespan	3
NU 365	Pharmacology for the Practicing Nurse	2
<b>Semester II</b>		
NU 350	Professional Roles	5
NU 401	Research and Outcomes Management for the Practicing Nurse	3
NU 423	Nursing Management and Leadership	3
<b>Semester III</b>		
Nursing Elective		3
NU 343	Concepts of Emergency/Disaster Nursing	3
NU 456	Population-Based Health Care	6
Total Hours		32

<sup>5</sup> STEP recognizes the past academic and experiential knowledge of the registered nurse. RN students are awarded 35 hours of STEP nursing credit after successful completion of the first semester courses.

**Total Hours: 120 - 129**

Course	Title	Hours
<b>Senior</b>		
<b>Fall</b>		
NU 313	Online Orientation to the STEP Program	0
NU 345	Communication of Ethical Issues	4
NU 352	Health Assessment Across the Lifespan	3
NU 365	Pharmacology for the Practicing Nurse	2
	Hours	9
<b>Spring</b>		
NU 350	Professional Roles	5
NU 401	Research and Outcomes Management for the Practicing Nurse	3
NU 423	Nursing Management and Leadership	3
	Hours	11
<b>Summer</b>		
NU 343	Concepts of Emergency/Disaster Nursing	3
NU 456	Population-Based Health Care	6
Nursing Elective		3
	Hours	12
	Total Hours	32

STEP recognizes the past academic and experiential knowledge of the registered nurse. RN students are awarded 35 hours of STEP *nursing credit* after successful completion of the first semester courses.

## Department of Respiratory Therapy

Program Director: Mr. Ed Goodwin

122 Brookstone

Accredited by: Commission on Accreditation for Respiratory Care (provisional)

- Respiratory Therapy (Bachelor of Science in Respiratory Therapy) (p. 123)
- Respiratory Therapy Bridge Program (RRT) (Bachelor of Science in Respiratory Therapy) (p. 125)

### Assistant Professor

Goodwin, Paul (p. 182)

### Instructor

Crawley, Andres (p. 180)

Garth, Robert (p. 182)

## Respiratory Therapy (Bachelor of Science in Respiratory Therapy)

Students begin the respiratory therapy program by taking core requirement courses. A separate application is filed to request assessment into the clinical portion (upper division) of respiratory therapy. The department assesses students for eligibility for the

upper division respiratory therapy program in the spring of each year. The deadline for submission of applications for assessment to the upper division program of respiratory therapy is June 1st for fall. Late applications are not accepted. Only students who have been admitted to Jacksonville State University and who meet eligibility requirements may apply for assessment into the upper division respiratory therapy program. Those planning to apply for assessment into the upper division respiratory therapy program should contact the Director of Academic Services in the School of Health Professions and Wellness well in advance of the application deadline in order to confirm eligibility.

Entry into the upper division of respiratory therapy requires completion of all core requirement courses with a core requirement grade point average (GPA) of 2.50 or above and a minimum grade of "C" in each core requirement course. Once a passing grade of "C" or above has been earned in a course, that course cannot be repeated for a higher grade. Students who do not meet the above standards are not eligible to apply for assessment into upper division. Each student's record will be assessed for completion of core requirements and as a basis for approval to enter the upper division. The review process may include a personal interview with the candidate, a background check, contact with personal references, and, if the student has been enrolled in other respiratory therapy programs, contact with previous respiratory therapy faculty. The assessment process may also include evaluation of essential academic skills and critical thinking. Students admitted to the university Fall 2018 and thereafter must have a current ACT score of 18 (within five years). Students who have English as a second language must present a minimum score on the TOEFL (Test of English as a Foreign Language) exam taken within four years. To be eligible for assessment into upper division, minimum scores are: 560 for TOEFL Written (paper based), 220 for TOEFL CBT (computer based), or 83 for iBT (internet based). Students native to countries where English is a commonly used language and/or those who have been living in a country for many years where English is a primary spoken language may request a waiver of this requirement. The Department of Respiratory Therapy reserves the right to limit the number of students enrolled in respiratory therapy courses in order to make the most effective use of the educational resources available. Because of limited resources, eligibility for the program is competitive; all students who qualify may not be selected. Students must comply with all Department of Respiratory Therapy policies for entrance into and continuation in the respiratory therapy program, which include, but are not limited to, a clear criminal background check and drug screen.

## Core Requirement Courses for Upper Division in Respiratory Therapy (56 Semester Hours)

The following list of courses is not intended to be a substitute for individual advisement by an academic advisor.

Course	Title	Credits
<b>Area I (6 Semester Hours) <sup>1</sup></b>		
EH 101	English Composition	3
EH 102	English Composition	3
<b>Area II (12 Semester Hours)</b>		
Literature <sup>2</sup>		3
Literature <sup>2</sup>		3
Fine Arts <sup>3</sup>		3
EH 141	Oral Communication	3
<b>Area III (11 Semester Hours)</b>		

BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
CY 115	Concepts of General Chemistry I	4
MS 112	Precalculus Algebra	3
<b>Area IV (12 Semester Hours)</b>		
History I <sup>4</sup>		3
History II <sup>4</sup>		3
PSY 201	Principles of Psychology	3
SY 221	Introduction to Sociology	3
<b>Area V (15 Semester Hours)</b>		
BY 263	Human Anatomy and Physiology I	4
BY 264	Human Anatomy and Physiology II	4
BY 283	Health Microbiology	4
MS 204	Basic Statistics	3
Total Hours		56

<sup>1</sup> All students with less than 24 earned hours must take STU 101 First Year Experience (0).

<sup>2</sup> Minimum of three hours of literature required [select from: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 231 World Literature I (3), EH 232 World Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3)]; a six-hour sequence of either literature or history is required.

<sup>3</sup> Minimum three hours fine arts required [select from ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3)]. If student chooses only three hours of literature, then history must be a six-hour sequence, and an additional three hours of approved fine arts or humanities will be necessary.

<sup>4</sup> Minimum of three hours of history required [select from HY 101 Western Civilization I (3), HY 102 Western Civilization II (3), HY 201 American History I (3), HY 202 American History II (3)]; a six-hour sequence of either literature or history is required. If student chooses only three hours of history, then literature must be a six-hour sequence, and an additional three hours of approved social/behavioral science will be necessary.

## Upper Division Respiratory Therapy Courses

Course	Title	Credits
<b>First Semester (15 Semester Hours)</b>		
RT 300	Fundamentals of Respiratory Care I	4
RT 305	Patient Assessment	4
RT 310	Cardiopulmonary Anatomy and Physiology	3
RT 315	Respiratory Care Pharmacology	2
RT 320	Clinical I	2
<b>Second Semester (14 Semester Hours)</b>		
RT 325	Fundamentals of Respiratory Care II	4
RT 330	Airway Management and Resuscitation	2
RT 335	Pathology for Respiratory Care	3
RT 340	Research	3
RT 345	Clinical II	2
<b>Third Semester (9 Semester Hours)</b>		
RT 350	Ventilatory Support I	4

RT 355	Advanced Critical Care Monitoring	3
RT 360	Clinical III	2
<b>Fourth Semester (14 Semester Hours)</b>		
RT 400	Ventilatory Support II	4
RT 405	Neonatal and Pediatric Respiratory Care	3
RT 410	Pulmonary Disease	3
RT 415	Clinical IV	4
<b>Fifth Semester (13 Semester Hours)</b>		
RT 420	Palliative, Long-Term and Preventative Care	3
RT 425	Respiratory Therapy Education	3
RT 430	Respiratory Therapy Leadership	2
RT 435	Clinical V	4
RT 440	Advanced-Level Exam Review	1
Total Hours		65

**Total hours required for degree: 121**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
MS 112	Precalculus Algebra	3
Fine Arts <sup>1</sup>		3
STU 101	First Year Experience	0
Hours		13
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
CY 115	Concepts of General Chemistry I	4
PSY 201	Principles of Psychology	3
History		3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
BY 263	Human Anatomy and Physiology I	4
BY 283	Health Microbiology	4
History/Social/Behavioral Science <sup>2</sup>		3
Literature		3
Hours		14
<b>Spring</b>		
BY 264	Human Anatomy and Physiology II	4
MS 204	Basic Statistics	3
SY 221	Introduction to Sociology	3
Literature/Humanities/Fine Arts <sup>3</sup>		3
Hours		13
<b>Junior</b>		
<b>Fall</b>		
RT 300	Fundamentals of Respiratory Care I	4
RT 305	Patient Assessment	4
RT 310	Cardiopulmonary Anatomy and Physiology	3
RT 315	Respiratory Care Pharmacology	2
RT 320	Clinical I	2
Hours		15
<b>Spring</b>		
RT 325	Fundamentals of Respiratory Care II	4
RT 330	Airway Management and Resuscitation	2
RT 335	Pathology for Respiratory Care	3
RT 340	Research	3

RT 345	Clinical II	2
	Hours	14
<b>Summer</b>		
RT 350	Ventilatory Support I	4
RT 355	Advanced Critical Care Monitoring	3
RT 360	Clinical III	2
	Hours	9
<b>Senior</b>		
<b>Fall</b>		
RT 400	Ventilatory Support II	4
RT 405	Neonatal and Pediatric Respiratory Care	3
RT 410	Pulmonary Disease	3
RT 415	Clinical IV	4
	Hours	14
<b>Spring</b>		
RT 420	Palliative, Long-Term and Preventative Care	3
RT 425	Respiratory Therapy Education	3
RT 430	Respiratory Therapy Leadership	2
RT 435	Clinical V	4
RT 440	Advanced-Level Exam Review	1
	Hours	13
	Total Hours	121

<sup>1</sup> Select from ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3) or MU 233 Introduction to Music (3).

<sup>2</sup> A six-hour sequence of either literature or history is required. If student chooses only three hours of history, then literature must be a six-hour sequence, and an additional three hours of approved social/behavioral science will be necessary.

<sup>3</sup> A six-hour sequence of either literature or history is required. If student chooses only three hours of literature, then history must be a six-hour sequence, and an additional three hours of approved humanities/fine arts will be necessary.

## Respiratory Therapy Bridge Program (RRT) (Bachelor of Science in Respiratory Therapy)

The Respiratory Therapy Bridge Program is designed to allow registered respiratory therapists that have completed an associate-level program the option of obtaining an advanced degree. The student must complete ten (10) online courses for a total of thirty-two (32) semester hours. The program consists of upper-division respiratory therapy courses that provide the student an opportunity for professional growth and development.

### Core Requirement Courses for RT Bridge Program (56 Semester Hours)

The following list of courses is not intended to be a substitute for individual advisement by a Department of Respiratory Therapy academic advisor. Students with a four-year degree from a US accredited college or university, who also have earned the Registered Respiratory Therapist credential from the National Board for Respiratory Care, will be assessed to the RT Bridge Program with no additional core requirements.

Course	Title	Credits
<b>Area I (6 Semester Hours)</b>		
EH 101	English Composition	3

EH 102	English Composition	3
<b>Area II (12 Semester Hours)</b>		
Literature <sup>1</sup>		3
Literature <sup>1</sup>		3
Fine Arts <sup>2</sup>		3
Humanities or Fine Art <sup>2</sup>		3
<b>Area III (11 Semester Hours)</b>		
BY 101	Introductory Biology I <sup>3</sup>	3
BY 103	Introductory Biology Lab I <sup>3</sup>	1
CY 115	Concepts of General Chemistry I <sup>3</sup>	4
MS 112	Precalculus Algebra <sup>3</sup>	3
<b>Area IV (12 Semester Hours)</b>		
History <sup>4</sup>		3
History <sup>4</sup>		3
PSY 201	Principles of Psychology	3
Social Science or Behavioral Science <sup>4</sup>		3
<b>Area V (15 Semester Hours)</b>		
BY 263	Human Anatomy and Physiology I	4
BY 264	Human Anatomy and Physiology II	4
Pre-professional, Major and Elective Courses		7
Total Hours		56

<sup>1</sup> Minimum of three hours of literature required [select from: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 231 World Literature I (3), EH 232 World Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3)]; a six-hour sequence of either literature or history is required.

<sup>2</sup> Minimum three hours of fine arts required [select from ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3)]. If student chooses only three hours of literature, then history must be a six-hour sequence, and an additional three hours of approved fine arts or humanities will be necessary.

<sup>3</sup> Approved Science from STARS Guide may be substituted for BY 101 Introductory Biology I (3)/BY 103 Introductory Biology Lab I (1) and/or CY 115 Concepts of General Chemistry I (4). MS 110 Finite Mathematics (3) may be substituted for MS 112 Precalculus Algebra (3).

<sup>4</sup> Minimum of three hours of history required [select from HY 101 Western Civilization I (3), HY 102 Western Civilization II (3), HY 201 American History I (3), HY 202 American History II (3)]; a six-hour sequence of either literature or history is required. If student chooses only three hours of history, then literature must be a six-hour sequence and an additional three hours of approved social/behavioral science will be necessary.

Course	Title	Credits
<b>Spring Semester (9 Semester Hours)</b>		
RT 442	Advanced Ventilatory Support	4
RT 444	Critical Care Monitoring	2
RT 446	Research for Respiratory Therapists	3
<b>Fall Semester (10 Semester Hours)</b>		
RT 450	Healthcare Education for Respiratory Therapists	4
RT 452	Patient Care Management Strategies	3
RT 454	Advanced Neonatal and Pediatric Care	3

**Summer Semester (10 Semester Hours)**

RT 456	Healthcare Leadership for Respiratory Therapists	4
RT 458	Special Procedures	3
RT 460	Alternative Care Roles for Respiratory Therapists	3

**To be taken alone or during another semester:**

RT 448	Advanced Practice Elective	3
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Total Hours		32
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The Respiratory Therapy Bridge Program recognizes the past academic and experiential knowledge of the registered respiratory therapist. RRT Bridge students are awarded thirty-three (33) semester hours of RT credit after successful completion of the first semester courses.

**Total Hours Required for the Degree: 121**

Course	Title	Hours
<b>Junior</b>		
<b>Fall</b>		
Courses are only offered in the terms specified below:		
	Hours	0
<b>Spring</b>		
RT 442	Advanced Ventilatory Support	4
RT 444	Critical Care Monitoring	2
RT 446	Research for Respiratory Therapists	3
	Hours	9
<b>Summer</b>		
RT 450	Healthcare Education for Respiratory Therapists	4
RT 452	Patient Care Management Strategies	3
RT 454	Advanced Neonatal and Pediatric Care	3
	Hours	10
<b>Senior</b>		
<b>Fall</b>		
RT 456	Healthcare Leadership for Respiratory Therapists	4
RT 458	Special Procedures	3
RT 460	Alternative Care Roles for Respiratory Therapists	3
	Hours	10
<b>Spring</b>		
RT 448	Advanced Practice Elective <sup>1</sup>	3
	Hours	3
	Total Hours	32

<sup>1</sup> This course can be taken alone or during other semester.

The RRT-BSRT program recognizes the past academic and experiential knowledge of the Registered Respiratory Therapist. RRTs are awarded 33 hours of RRT-BSRT credit after completion of first semester course work.

# SCHOOL OF HUMAN SERVICES AND SOCIAL SCIENCES

Dean: Dr. Maureen Newton

## 306 Brewer Hall

The School of Human Services and Social Sciences offers quality academic programs through traditional, hybrid, and online course offerings at the baccalaureate, master's, and doctoral level. We proudly serve students from the State of Alabama and the surrounding region, as well as students from all over the world who want an excellent education. Our academic programs prepare them for success in graduate school and for immediate careers.

Our faculty and staff serve students in a manner that leads to transformative educational and interpersonal experiences. Students work with accomplished faculty who are engaged in innovative forms of teaching, scholarship, and service. The goal of the School of Human Services and Social Sciences is to provide students with opportunities and experiences that lead to life-long personal and professional success. Graduates are prepared for careers in criminal justice and forensic investigations, emergency management and disaster preparedness, political science and public administration, psychology, sociology, social work, and military service.

## Albert P. Brewer Department of Criminal Justice

Department Head: Dr. Ronald Mellen

### 126 Brewer Hall

Students who are not majoring in Criminal Justice may minor in Criminal Justice, Offender Rehabilitation, or Law Enforcement. Each minor requires a minimum of 21 credit hours.

Students who are not majoring in Forensic Investigation may minor in Forensic Investigation. A minor requires a minimum of 21 credit hours.

## Criminal Justice

The Department of Criminal Justice merges liberal arts and professional studies into a well-balanced curriculum. A Bachelor of Science with a major in criminal justice is a solid foundation for law school or graduate study, in addition to being a superb preparation for employment in the rapidly growing field of criminal justice. The core courses provide a basic understanding of the nature of crime and society's reaction to crime, as well as an in-depth investigation of the various components within the criminal justice system. Studies in concentration areas provide students the opportunity to acquire knowledge and skills which enhance future employment and serve as a basis for advanced studies.

The Bachelor of Science with a major in Criminal Justice requires the following, which meets the general academic regulations:

- a minimum of 120 hours consisting of 50 hours of general studies courses
- 18 hours of criminal justice core courses

- 24 hours in a criminal justice concentration
- 28 hours of minor and elective courses

NOTE: Criminal Justice majors must obtain a minor outside the department. Spanish is the preferred minor or co-minor.

## Forensic Investigation

The Bachelor of Science with a major in Forensic Investigation (FI) consists of two separate tracks that address career interests. A degree in Forensic Investigation can lead to a fulfilling career that offers a lifetime of opportunities locally, nationally, and globally. Students interested in pursuing a major in FI must initially declare their major as Forensic Investigation Undecided. They will be advised to complete the lower division Forensic Investigation core that consists of five classes (15 semester hours). Upon completion of these lower division courses, the coursework will be assessed by their advisor to determine whether they have met the minimum of a 2.5 overall GPA and a 2.5 in CJ and FI coursework required to proceed to upper division coursework in one of the two forensic investigation tracks. The minimum 2.5 overall GPA is also required to graduate with a Bachelor of Science in Forensic Investigation in either track.

The Bachelor of Science with a major in Forensic Investigation is a 120 hour program which requires the following:

- 50 hours of general studies courses
- 15 hours of Forensic Investigation Lower Division Core courses
- 27 hours in a Forensic Investigation track
- 28 hours of minor and elective courses

NOTE: Forensic Investigation - Criminal Investigation majors must obtain a minor outside the department. Forensic Investigation - Forensic Laboratory Technician majors must minor in Biology, Chemistry, or Physics.

- Criminal Justice - Offender Rehabilitation (Bachelor of Science) (p. 128)
- Criminal Justice - Law Enforcement (Bachelor of Science) (p. 129)
- Forensic Investigation - Criminal Investigations (Bachelor of Science) (p. 130)
- Forensic Investigation - Laboratory Technician (Bachelor of Science) (p. 131)
- Criminal Justice Minor (p. 132)
- Forensic Investigation Minor (p. 132)
- Law Enforcement Minor (p. 132)
- Offender Rehabilitation Minor (p. 132)

## Distinguished Professor

Kania, Richard R.E. (p. 184)

## Professor

Davis, Richards P. (p. 181)

Mellen, Ronald R.E. (p. 187)

## Associate Professor

Buttram, III, H. Dean (p. 179)

Morgan, Joseph S. (p. 187)



## Assistant Professor

Lang, Kay E. (p. 185)

Murtagh, Christopher (p. 187)

## Instructor

Haney, Walter C. (p. 183)

Patton, Brian E. (p. 188)

Pearce, Charlie L. (p. 188)

## Criminal Justice - Offender Rehabilitation (Bachelor of Science)

The concentration in Offender Rehabilitation prepares students for working with individuals who have been placed under the custody of the correctional system, whether in community programs or within institutions. The purpose of the course of study is two-fold:

- to help train individuals on probation and parole
- to rehabilitate those same individuals for successful re-entry into society

## Offender Rehabilitation Core Curriculum

18 hours required for all Criminal Justice majors.

Course	Title	Credits
<b>Required Courses</b>		
CJ 101	Introduction to Criminal Justice	3
CJ 201	Criminal Law	3
CJ 300	Theories of Crime Causation	3
CJ 302	Research Methods	3
CJ 225	Criminal Courts	3
Select one course from the following:		3
CJ 472	Senior Internship in Criminal Justice	
CJ 497	Senior Seminar I	
CJ 498	Senior Seminar II	
CJ 499	Senior Seminar III	
Total Hours		18

## Offender Rehabilitation Concentration

Course	Title	Credits
<b>Corrections Concentration</b>		
CJ 200	Introduction to Corrections	3
CJ 310	Criminal Behavior and Rehabilitation Strategies	3
CJ 311	Correctional Techniques	3
CJ 315	Community Based Corrections	3
CJ 322	Juvenile Agencies	3
+9 hours of Criminal Justice electives		9
Total Hours		24

Courses credited within the core or a concentration will not be credited within another concentration or minor.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History sequence		3
Natural Science		4
CJ 101	Introduction to Criminal Justice	3
MS 110 or MS 112	Finite Mathematics or Precalculus Algebra	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
History sequence		3
Natural Science		4
CJ 200	Introduction to Corrections	3
MS 204	Basic Statistics (or approved alternate)	3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>1</sup>		3
EH 141	Oral Communication	3
CS 201	Introduction to Information Technology	3
CJ 300	Theories of Crime Causation	3
Offender Rehabilitation Concentration		3
Hours		15
<b>Spring</b>		
Literature <sup>1</sup>		3
Fine Arts Elective		3
PSY 201	Principles of Psychology	3
CJ 201	Criminal Law	3
SY 221	Introduction to Sociology	3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
CJ 302	Research Methods	3
PSC 100	Introduction to American Government	3
Offender Rehabilitation Concentration		6
Minor/General Electives		3
Hours		15
<b>Spring</b>		
Offender Rehabilitation Concentration		6
Minor/General Electives		5
CJ 225	Criminal Courts	3
Hours		14
<b>Senior</b>		
<b>Fall</b>		
Offender Rehabilitation Concentration		6
Minor/General Electives		9
Hours		15
<b>Spring</b>		
Minor/General Electives		11
Senior Capstone Course <sup>2</sup>		3
Hours		14
Total Hours		120

<sup>1</sup> Select from these courses: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).

<sup>2</sup> Select one of the following: CJ 472 Senior Internship in Criminal Justice (3), CJ 497 Senior Seminar I (3), CJ 498 Senior Seminar II (3), or CJ 499 Senior Seminar III (3).

## Criminal Justice - Law Enforcement (Bachelor of Science)

The concentration in Law Enforcement focuses on the study of the role and functions of police organizations as agents of crime prevention in a democratic society, including an understanding of police history, organizational structure, policies, planning, and coordination between various police organizations. The importance of establishing and maintaining positive, supportive relations with the public is an area of special interest.

### Criminal Justice Core Curriculum

18 hours required for all Criminal Justice majors.

Course	Title	Credits
<b>Required Courses</b>		
CJ 101	Introduction to Criminal Justice	3
CJ 201	Criminal Law	3
CJ 300	Theories of Crime Causation	3
CJ 302	Research Methods	3
CJ 225	Criminal Courts	3
Select one course from the following:		3
CJ 472	Senior Internship in Criminal Justice	
CJ 497	Senior Seminar I	
CJ 498	Senior Seminar II	
CJ 499	Senior Seminar III	
Total Hours		18

### Law Enforcement Concentration Requirements

Course	Title	Credits
CJ 202	Introduction to Law Enforcement	3
CJ 363	Foundations of Law Enforcement	3
CJ 370	Police Administration	3
CJ 402	Police and Community Relations	3
CJ 320	Criminal Investigations	3
+9 hours of Criminal Justice electives		9
Total Hours		24

Courses credited within the core or a concentration will not be credited within another concentration or minor.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History sequence		3
Natural Science		4
CJ 101	Introduction to Criminal Justice	3
MS 110	Finite Mathematics	3
or MS 112	or Precalculus Algebra	
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
History sequence		3
Natural Science		4
CJ 202	Introduction to Law Enforcement	3
MS 204	Basic Statistics (or approved alternate)	3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Literature <sup>1</sup>		3
EH 141	Oral Communication	3
CS 201	Introduction to Information Technology	3
CJ 300	Theories of Crime Causation	3
Law Enforcement Concentration		3
Hours		15
<b>Spring</b>		
Literature <sup>1</sup>		3
Fine Arts Elective		3
PSY 201	Principles of Psychology	3
CJ 201	Criminal Law	3
SY 221	Introduction to Sociology	3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
CJ 302	Research Methods	3
PSC 100	Introduction to American Government	3
Law Enforcement Concentration		6
Minor/General Electives		3
Hours		15
<b>Spring</b>		
Law Enforcement Concentration		6
Minor/General Electives		5
CJ 225	Criminal Courts	3
Hours		14
<b>Senior</b>		
<b>Fall</b>		
Law Enforcement Concentration		6
Minor/General Electives		9
Hours		15
<b>Spring</b>		
Minor/General Electives		11
Senior Capstone Course <sup>2</sup>		3
Hours		14
Total Hours		120

<sup>1</sup> Select from these courses: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).

<sup>2</sup> Select one of the following: CJ 472 Senior Internship in Criminal Justice (3), CJ 497 Senior Seminar I (3), CJ 498 Senior Seminar II (3), or CJ 499 Senior Seminar III (3).

## Forensic Investigation - Criminal Investigations (Bachelor of Science)

*Track One: "Criminal Investigations"* is designed for students interested in working in an investigative capacity in the professional field of law enforcement. It provides insights into basic investigative skills, as well as specialized skills in drug, homicide, sex offenses, child abuse, and arson investigations. The main theme for forensic investigation "Track One" however, is crime scene processing, identification and collection of physical evidence, and the presentation of evidence into a court of law. Forensic Investigation - Criminal Investigation majors must obtain a minor outside the department.

Forensic Investigation Undecided majors must complete the lower division FI Core. Upon completion of the lower division FI Core courses, students will be assessed by their advisor for upper division coursework in the FI major. Students must meet the minimum 2.5 GPA overall and 2.5 GPA in their CJ and FI Core classes. Upon successful assessment, students will major in Forensic Investigation Track One, "Criminal Investigations" or Forensic Investigation Track Two, "Forensic Laboratory/Technician."

### Forensic Investigation Lower Division Core Courses

Course	Title	Credits
CJ 101	Introduction to Criminal Justice	3
CJ 201	Criminal Law	3
CJ 202	Introduction to Law Enforcement	3
FI 204	Introduction to Forensic Investigation	3
FI 225	Criminal Courts	3
Total Hours		15

Upon completion, students MUST meet with their advisor to determine whether they meet the minimum requirements to be assessed into the appropriate Forensic Investigation track.

## Track One (Criminal Investigations)

Course	Title	Credits
FI 310	Criminalistics	3
FI 320	Criminal Investigations	3
FI 330	Forensic Documentation	3
FI 340	Homicide Investigation	3
FI 350	Crime Scene Processing	3
FI 410	Imprint/Impression Evidence	3
Forensic Investigation 300+ Electives		3
Forensic Investigation 300+ Electives		3
Select one of the following: <sup>1</sup>		3
FI 497	Senior Seminar I	
FI 498	Senior Seminar II	
FI 499	Senior Seminar III	
FI 472	Senior Internship in Criminal Justice	
Total Hours		27

<sup>1</sup> If a course is used to satisfy the Senior Capstone Course requirement, it cannot also be used to satisfy an elective requirement.

Courses credited within the core or a concentration will not be credited within another concentration or minor.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History Sequence		3
Natural Science		4
CJ 101	Introduction to Criminal Justice	3
MS 110	Finite Mathematics	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
History Sequence		3
Natural Science		4
EH 141	Oral Communication	3
MS 112	Precalculus Algebra (or approved alternate)	3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Fine Arts <sup>1</sup>		3
CJ 201	Criminal Law	3
CJ 202	Introduction to Law Enforcement	3
Foreign Language		3
PSC 100	Introduction to American Government	3
Hours		15
<b>Spring</b>		
EH Literature <sup>2</sup>		3
FI 204	Introduction to Forensic Investigation	3
PSY 201	Principles of Psychology	3
FI 225	Criminal Courts	3
General Elective		1
Hours		13
<b>Junior</b>		
<b>Fall</b>		
FI 310	Criminalistics	3
FI 320	Criminal Investigations	3
FI 340	Homicide Investigation	3
Minor/2nd Major/General Electives		6
Hours		15
<b>Spring</b>		
FI 330	Forensic Documentation	3
FI 350	Crime Scene Processing	3
Minor/2nd Major/General Electives		6
CS 201	Introduction to Information Technology	3
Hours		15
<b>Senior</b>		
<b>Fall</b>		
FI 410	Imprint/Impression Evidence	3
Forensic Investigation Electives		3

Minor/2nd Major/General Electives <sup>3</sup>	9
Hours	15
<b>Spring</b>	
Forensic Investigation Electives	3
Forensic Investigation Senior Capstone Course <sup>4</sup>	3
Minor/2nd Major/General Electives <sup>3</sup>	9
Forensic Investigation Major Field Test <sup>5</sup>	0
Hours	15
Total Hours	120

- <sup>1</sup> Select from ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).
- <sup>2</sup> Select from these English Literature Courses: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).
- <sup>3</sup> Choosing to declare a 2nd major will require additional classes and hours above the one major and one minor option listed above.
- <sup>4</sup> Select one from these Senior Capstone Courses: FI 472 Senior Internship in Criminal Justice (3), FI 497 Senior Seminar I (3), FI 498 Senior Seminar II (3), or FI 499 Senior Seminar III (3).
- <sup>5</sup> The Forensic Investigation Major Field Test is to be taken during the Senior Capstone Course.

## Forensic Investigation - Laboratory Technician (Bachelor of Science)

*Track Two: "Laboratory/ Technician"* is designed for students interested in working in a laboratory environment as either a forensic scientist or technician and is a solid foundation for graduate study. Track Two requires a minor or second major in either Biology, Chemistry, or Physics to assist in making our graduates as educated in their chosen area as possible.

Forensic Investigation Undecided majors must complete the lower division FI Core. Upon completion of the lower division FI Core courses, students will be assessed by their advisor for upper division coursework in the FI major. Students must meet the minimum 2.5 GPA overall and 2.5 GPA in their CJ and FI Core classes. Upon successful assessment, students will major in Forensic Investigation Track One, "Criminal Investigations" or Forensic Investigation Track Two, "Forensic Laboratory/Technician."

### Forensic Investigation Lower Division Core Courses

Course	Title	Credits
CJ 101	Introduction to Criminal Justice	3
CJ 201	Criminal Law	3
CJ 202	Introduction to Law Enforcement	3
FI 204	Introduction to Forensic Investigation	3
FI 225	Criminal Courts	3
Total Hours		15

Upon completion, students MUST meet with their advisor to determine whether they meet the minimum requirements to be assessed into the appropriate Forensic Investigation track.

## Track Two - Forensic Laboratory/ Technician

Course	Title	Credits
FI 310	Criminalistics	3
FI 330	Forensic Documentation	3
FI 360	Forensic Pathology	3
FI 370	Forensic Osteology	3
FI 480	Trace Evidence	3
Forensic Investigation 300+ Electives		3
Forensic Investigation 300+ Electives		3
Forensic Investigation 300+ Electives		3
Select one of the following: <sup>1</sup>		3
FI 497	Senior Seminar I	
FI 498	Senior Seminar II	
FI 499	Senior Seminar III	
FI 472	Senior Internship in Criminal Justice	
Total Hours		27

- <sup>1</sup> If a course is used to satisfy the Senior Capstone Course requirement, it cannot also be used to satisfy an elective requirement.

Courses credited within the core or a concentration will not be credited within another concentration or minor.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
History Sequence		3
Natural Science		4
CJ 101	Introduction to Criminal Justice	3
MS 112	Precalculus Algebra (or higher)	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
History Sequence		3
Natural Science		4
EH 141	Oral Communication	3
MS 113	Precalculus Trigonometry (or approved alternate)	3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
Fine Arts <sup>1</sup>		3
CJ 201	Criminal Law	3
CJ 202	Introduction to Law Enforcement	3
PSC 100	Introduction to American Government	3
Foreign Language		3
Hours		15
<b>Spring</b>		
EH Literature <sup>2</sup>		3
FI 204	Introduction to Forensic Investigation	3

PSY 201	Principles of Psychology	3
FI 225	Criminal Courts	3
General Elective		1
Hours		13
<b>Junior</b>		
<b>Fall</b>		
FI 310	Criminalistics	3
FI 330	Forensic Documentation	3
FI 360	Forensic Pathology	3
Minor/2nd Major/General Electives		6
Hours		15
<b>Spring</b>		
FI 370	Forensic Osteology	3
FI 480	Trace Evidence	3
Minor/2nd Major/General Electives		6
CS 201	Introduction to Information Technology	3
Hours		15
<b>Senior</b>		
<b>Fall</b>		
Forensic Investigation Electives		3
Forensic Investigation Electives		3
Minor/2nd Major/General Electives <sup>3</sup>		9
Hours		15
<b>Spring</b>		
Forensic Investigation Electives		3
Forensic Investigation Senior Capstone Course <sup>4</sup>		3
Minor/2nd Major/General Electives <sup>3</sup>		9
Forensic Investigation Major Field Test <sup>5</sup>		0
Hours		15
Total Hours		120

<sup>1</sup> Select from ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), and MU 233 Introduction to Music (3).

<sup>2</sup> Select from these English Literature Courses: EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).

<sup>3</sup> Choosing to declare a 2nd major will require additional classes and hours above the one major and one minor option listed above.

<sup>4</sup> Select one from these Senior Capstone Courses: FI 472 Senior Internship in Criminal Justice (3), FI 497 Senior Seminar I (3), FI 498 Senior Seminar II (3), or FI 499 Senior Seminar III (3).

<sup>5</sup> The Forensic Investigation Major Field Test is to be taken during the Senior Capstone Course.

## Criminal Justice Minor

A minor in Criminal Justice<sup>1</sup> requires a minimum of 21 hours and includes the following courses:

Course	Title	Credits
CJ 101	Introduction to Criminal Justice	3
CJ 200	Introduction to Corrections	3
CJ 201	Criminal Law	3
CJ 202	Introduction to Law Enforcement	3
CJ 225	Criminal Courts	3
CJ 300	Theories of Crime Causation	3

Three hours of Criminal Justice electives	3
<b>Total Hours</b>	<b>21</b>

<sup>1</sup> This minor is not available to students majoring in Criminal Justice.

## Forensic Investigation Minor

A minor in Forensic Investigation<sup>1</sup> requires a minimum of 21 hours and includes the following courses:

Course	Title	Credits
CJ 101	Introduction to Criminal Justice	3
CJ 202	Introduction to Law Enforcement	3
FI 204	Introduction to Forensic Investigation	3
FI 310	Criminalistics	3
FI 340	Homicide Investigation	3
FI 320	Criminal Investigations	3
Three hours of Criminal Justice/Forensic Investigation electives		3
<b>Total Hours</b>		<b>21</b>

<sup>1</sup> This minor is not available to students majoring in Forensic Investigation.

## Law Enforcement Minor

A minor in Law Enforcement<sup>1</sup> requires a minimum of 21 hours and includes the following courses:

Course	Title	Credits
CJ 101	Introduction to Criminal Justice	3
CJ 202	Introduction to Law Enforcement	3
CJ 320	Criminal Investigations	3
CJ 363	Foundations of Law Enforcement	3
CJ 370	Police Administration	3
CJ 402	Police and Community Relations	3
Three hours of Criminal Justice electives		3
<b>Total Hours</b>		<b>21</b>

<sup>1</sup> This minor is not available to students majoring in Criminal Justice.

## Offender Rehabilitation Minor

A minor in Offender Rehabilitation<sup>1</sup> requires a minimum of 21 hours and includes the following courses:

Course	Title	Credits
CJ 101	Introduction to Criminal Justice	3
CJ 200	Introduction to Corrections	3
CJ 310	Criminal Behavior and Rehabilitation Strategies	3
CJ 311	Correctional Techniques	3
CJ 315	Community Based Corrections	3
CJ 322	Juvenile Agencies	3
Three hours of Criminal Justice electives		3
<b>Total Hours</b>		<b>21</b>

<sup>1</sup> This minor is not available to students majoring in Criminal Justice.

# Department of Emergency Management

Department Head: Dr. Jeffrey R. Ryan

JSU McClellan Building 3181

The Department of Emergency Management offers a 120-hour Bachelor of Science degree in Emergency Management. The degree is designed to prepare students for careers related to emergency and disaster management in local, state, or federal government, business, and volunteer organizations.

- Emergency Management (Bachelor of Science) (p. 133)
- Emergency Management with a Minor in Public Safety Telecommunications (Bachelor of Science) (p. 134)
- Emergency Management Minor (p. 134)
- Homeland Security Minor (p. 134)
- Public Safety Telecommunications Minor (p. 134)

## Professor

Kushma, Jane (p. 185)

Lowe, William A. (p. 186)

Ryan, Jeffrey R. (p. 189)

## Associate Professor

Huang, Shih-Kai (p. 184)

Islam, Tanveerul (p. 184)

Van Slyke, Jeffrey (p. 191)

## Assistant Professor

Jerolleman, Alessandra (p. 184)

Wang, Chongming (p. 192)

# Emergency Management (Bachelor of Science)

Emergency Management requires a minimum of thirty (30) hours of emergency management courses, including:

Course	Title	Credits
EM 301	Introduction to Disaster Management	3
EM 321	Disaster Mitigation & Preparedness	3
EM 331	Populations at Risk	3
EM 411	Disaster Response & Recovery	3
EM 471	Emergency Management Capstone Course	3
EM 481	Research in Disasters and Emergency Management	3
Twelve hours of approved EM 300+ electives		12
<b>Total Hours</b>		<b>30</b>

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information**

about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
PSY 201	Principles of Psychology	3
Natural Science sequence		4
Fine Arts		3
Minor		3
STU 101	First Year Experience	0
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
EH 102	English Composition	3
Social/Behavioral Science		3
Natural Science sequence		4
MS 110 or MS 112	Finite Mathematics or Precalculus Algebra	3
Minor		3
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
Literature		3
History sequence		3
Elective		3
EM 301	Introduction to Disaster Management	3
Minor		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
Literature		3
History sequence		3
EM 300+ Elective		3
EM 321	Disaster Mitigation & Preparedness	3
Minor		3
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
EM 411	Disaster Response & Recovery	3
EM 331	Populations at Risk	3
Minor		3
Area V Elective		3
Elective		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
EH 141	Oral Communication (or Fine Arts Elective)	3
EM 300+ Elective		3
Area V Elective		3
Minor		3
Minor/Elective		3
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
EM 300+ Elective		6
Area V Electives		7
Elective		3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
EM 481	Research in Disasters and Emergency Management	3
EM 471	Emergency Management Capstone Course	3

Area V Electives	6
Hours	12
Total Hours	120

## Emergency Management with a Minor in Public Safety Telecommunications (Bachelor of Science)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Credits
<b>Major</b>		
EM 301	Introduction to Disaster Management	3
EM 321	Disaster Mitigation & Preparedness	3
EM 331	Populations at Risk	3
EM 411	Disaster Response & Recovery	3
EM 471	Emergency Management Capstone Course	3
EM 481	Research in Disasters and Emergency Management	3
Approved Emergency Management 300+ Electives		12
<b>PST Minor</b>		
PST 110	Introduction to Public Safety Communications	3
PST 311	Interpersonal Communications	3
PST 312	Legal Issues in Public Safety Communication	3
PST 313	Introduction to Crisis Intervention	3
PST 314	Introduction to Weapons of Mass Destruction	3
PST 328	Technical Writing for Public Safety Communicators	3
Approved Public Safety Telecommunication Electives		3
<b>Area I</b>		
EH 101	English Composition	3
EH 102	English Composition	3
<b>Area II</b>		
Fine Arts		3
Literature		6
Speech/Humanities and Fine Arts Elective <sup>1</sup>		3
<b>Area III</b>		
MS 110	Finite Mathematics	3
or MS 112	Precalculus Algebra	
Approved Laboratory Science sequence		8
<b>Area IV</b>		
History sequence		6
PSY 201	Principles of Psychology	3
Approved Social/Behavioral Science Elective <sup>1</sup>		3
<b>Area V</b>		
Courses to be chosen from an approved list <sup>1</sup>		19
<b>General Electives</b>		9
Total Hours		120

<sup>1</sup> See advisor for elective choices in Area II, IV, and V.

## Emergency Management Minor

The Department of Emergency Management offers a minor in Emergency Management for students outside of the Emergency Management major. The minor consists of eighteen (18) hours of emergency management courses which must include:

Course	Title	Credits
EM 301	Introduction to Disaster Management	3
EM 321	Disaster Mitigation & Preparedness	3
EM 411	Disaster Response & Recovery	3
Nine hours of approved Emergency Management 300+ electives		9
Total Hours		18

## Homeland Security Minor

The Department of Emergency Management offers a minor in Homeland Security. The minor consists of eighteen (18) hours of courses which must include:

Course	Title	Credits
EM 305	Introduction to Homeland Security	3
Select fifteen hours of electives from the following courses:		15
EM 309	Emergency Response to WMD Event	
EM 341	Legal Fundamentals in Emergency Management and Homeland Security	
EM 351	Introduction to Terrorism	
EM 365	Public Information and Policy	
EM 381	Social Dimensions of Disaster	
EM 420	Exercise Design and Evaluation	
EM 450	Management Systems in Disaster	
EM 461	Critical Infrastructures	
EM 475	Current Issues in Homeland Security	
EM 483	Planning and Preparedness for Homeland Security	
PST 314	Introduction to Weapons of Mass Destruction	
EM 301	Introduction to Disaster Management <sup>1</sup>	
Total Hours		18

<sup>1</sup> EM 301 Introduction to Disaster Management (3) is also a Homeland Security minor elective option for non-Emergency Management majors.

A major in Emergency Management with a minor in Homeland Security will consist of a minimum of forty-eight (48) hours of emergency management/public safety telecommunications courses for the major and minor areas alone.

## Public Safety Telecommunications Minor

The Department of Emergency Management offers a minor in Public Safety Telecommunications. The minor consists of twenty-one (21) hours of public safety telecommunications courses, including:

Course	Title	Credits
PST 110	Introduction to Public Safety Communications	3
PST 311	Interpersonal Communications	3

PST 312	Legal Issues in Public Safety Communication	3
PST 313	Introduction to Crisis Intervention	3
PST 314	Introduction to Weapons of Mass Destruction	3
PST 328	Technical Writing for Public Safety Communicators	3
Three hours of approved PST electives		3
Total Hours		21

## Department of Military Science and Leadership

Department Head: LTC Cory Roberts

Main Floor - Rowe Hall

[www.jsu.edu/rotc](http://www.jsu.edu/rotc)

The Department of Military Science is a cooperative venture between the United States Army and Jacksonville State University. The program provides a Reserve Officer Training Corps (ROTC) program with a mission of commissioning students as officers in the Army upon completion of a baccalaureate degree or sufficient progress on a master's degree. Satisfactory completion of the program may lead to a minor in Military Science. The program provides students an opportunity to learn and develop leadership skills necessary in the Army and in society. The emphasis of the program is on leadership development. Students apply accepted leadership theory to practical situations. A theoretical basis of knowledge is developed through attendance in military science classes and courses offered in schools throughout the university. The program is only available to full-time students.

### Enrollment

Several program options exist for enrollment: a four-year, three-year and a two-year program. These programs are addressed below. Under some circumstances, it is possible to complete the program in less than two years. Students can obtain information on alternative programs by contacting the department at 256-782-5601.

The **four-year and three-year programs** are divided into two phases, the Basic Course and the Advanced Course.

**Basic:** The Basic Course is typically taken during the freshman and sophomore years but may be compressed into one year. These courses are open to all students on an elective basis. The courses, taught to meet the requirements to enter into the Advanced Program, incur *no* military obligation and are open to all registered full-time students. Basic Course curriculum focuses on introductory leadership theory, basic military knowledge and skills, and the Army's role in national security policy and practices.

**Advanced:** The Advanced Course is taken during the junior and senior year of the selected program. Students in this program must have completed the Basic Course as directed by the Professor of Military Science, have two years remaining in college (graduate or undergraduate studies) and enter into a contract with the United States Army to serve as an officer in the active or reserve forces upon graduation. The contractual obligation varies with the amount of participation and whether the student is a scholarship beneficiary.

Advanced Course students take classes in advanced leadership and participate in leadership laboratories where they apply theories of

leadership in practical situations. Enrollment in the Advanced Course requires the approval of the Professor of Military Science.

The **two-year program** is designed for students who did not take Army ROTC during their first two years of college and for students entering or progressing in a two-year post-graduate course of study. Students can qualify for the Advanced Course in a number of ways. Prior enlisted personnel and members of the National Guard and Army Reserve receive Basic Course credit for successful completion of Basic Training. Successful completion of the four-week ROTC Basic Camp also qualifies students for the Advanced Course. The Professor of Military Science may also award Basic Course credit for satisfactory participation in Junior ROTC or for completion of an approved alternative course of study within the Department of Military Science.

Students must meet the following requirements in order to attend the Basic Camp:

- overall GPA of 2.00 or higher on a 4.00-point scale
- have junior standing
- meet medical and physical fitness standards

Approval for attendance is required from the Professor of Military Science.

### Additional Requirements

All contracted students are required to maintain eligibility requirements. These requirements include:

- an appropriate grade point average
- medical qualification
- moral behavior
- compliance with physical fitness standards

Students must be able to pass a swimming requirement prior to participation at Advanced Camp. Additionally, contracted students must participate in physical conditioning and a field training exercise each semester.

### Commissioning

Students may be commissioned once they meet all pre-commissioning requirements and are awarded a baccalaureate degree. Students that have graduated with a baccalaureate degree are eligible to participate and commission while pursuing a postgraduate degree. Students commissioned as Second Lieutenants in the United States Army may serve either on Active Duty, in the Army Reserve, or in the Army National Guard. Assignments are based upon the needs of the Army and the student's request. Students who desire a commission in the Army Reserve or Army National Guard may elect the Guaranteed Reserve Forces Duty option (if eligible) upon entry into the advanced course.

### Scholarships

Competitive two, three and four-year scholarships are available to students. Four-year scholarship deadlines are normally January 10 of the student's senior year in high school. Other scholarship deadlines vary from year to year. Currently, scholarships cover the cost of full tuition or room and board, fees, partial books and provide a monthly spending allowance. Limited dorm scholarships are also available. The Army National Guard and Army Reserve also offer tuition assistance and other benefits worth up to \$24,000 per year in conjunction with ROTC. The Alabama National Guard offers an additional state tuition



reimbursement up to \$15,240 a year (\$5080 a semester). Students interested in scholarships, the simultaneous membership program (SMP) with the Guard or Reserve, or other assistance should contact the Department of Military Science at 256-782-5601 for details.

## Uniforms and Equipment

For all military specific courses, most texts and certain equipment are furnished by the United States Government at no expense to the student. Uniforms and equipment issued to participating/non-contracted and contracted cadets remain the property of the United States Government and will be turned in upon withdrawal from any MSC course or upon completion of the course. Certain equipment will be turned in upon completion of the specific training event. Students will be required to reimburse the government for losses or damage. For certain basic courses which are not military specific, purchase of texts may be required.

- Military Science and Leadership Basic Course Requirements (p. 136)
- Military Science and Leadership Advanced Course Requirements (p. 136)
- Military Science Minor (p. 136)

## Professor

Roberts, Cory L. (p. 189)

## Instructor

Parker, Michael (p. 188)

Serna, Randy (p. 190)

Toney, Cassandra (p. 191)

## Recruiting Officer

Scott, Sydnee (p. 189)

## Military Science and Leadership Basic Course Requirements

The Basic Course requirements are:

Course	Title	Credits
MSC 101	Challenges in Leadership I	1
MSC 103	Challenges in Leadership Labs	2
MSC 102	Challenges in Leadership II	1
MSC 104	Challenges in Leadership Labs	2
MSC 201	Tactical Strategy and Team Development	2
MSC 203	Leadership Development Lab	2
MSC 202	Adaptive Leadership Development	2
MSC 204	Basic Military Skills Lab	2

These courses are mandatory for entry into the Advanced Course of instruction, unless the Professor of Military Science approves substitutions.

Nursing students who desire to pursue a career as commissioned officers in the Army Nurse Corps should contact the Department of Military Science for details of a basic course program specifically tailored for the nursing discipline. In addition to meeting all ROTC requirements,

the prerequisites for commissioning in the Army Nurse Corps are a baccalaureate degree in nursing and a state nursing license.

## Military Science and Leadership Advanced Course Requirements

Entry into the ROTC Advanced Course for commissioning is open to students who have:

- earned a GPA of 2.00 or higher
- attained junior status or are graduate students
- met established Army medical and physical fitness standards
- completed or received placement credit for the Basic Course requirements
- demonstrated the requisite leadership potential
- departmental approval

Students pursuing a commission must successfully complete the following ROTC Advanced Course classes:

Course	Title	Credits
MSC 301	Advanced Military Science I	3
MSC 307	Advanced Military Science Leadership Lab	2
MSC 302	Advanced Military Science II	3
MSC 308	Advanced Military Science Leadership Lab	2
MSC 305	Advanced Military Science IV	3
MSC 401	Adv Theories in Leadership I	3
MSC 407	Application of Advanced Theories in Leadership	2
MSC 402	Adv Theories in Leadership II	3
MSC 408	Application of Advanced Theories in Leadership	2

Additionally, HY 304 American Military History (3)/MSC 304 American Military History (3), and approved core curriculum courses in written communications, computer literacy, math reasoning and human behavior must be successfully completed before commissioning. Contact the Department of Military Science for specific details as to approved courses. Normally during the summer before their senior year, students must attend and successfully complete the Advanced Camp at Fort Knox, KY, prior to commissioning. This course is approximately four weeks in duration and students earn three credit hours under MSC 305 Advanced Military Science IV (3).

ROTC nursing students have an additional opportunity to participate in a three week Nurse Summer Training Program and earn three credit hours under NU 444 Implementation of Professional Nurse Role (3).

## Military Science Minor

A minor in Military Science is offered to contracted cadets who meet all requirements and receive a commission as 2<sup>nd</sup> Lieutenant in the U.S. Army, U.S. Army National Guard, or U.S. Army Reserve by completing 26 hours of course work as follows:

Course	Title	Credits
MSC 301	Advanced Military Science I	3
MSC 302	Advanced Military Science II	3
MSC 305	Advanced Military Science IV	3
MSC 307	Advanced Military Science Leadership Lab	2
MSC 308	Advanced Military Science Leadership Lab	2

MSC 401	Adv Theories in Leadership I	3
MSC 402	Adv Theories in Leadership II	3
MSC 407	Application of Advanced Theories in Leadership	2
MSC 408	Application of Advanced Theories in Leadership	2
HY 304	American Military History	3
or MSC 304	American Military History	
Total Hours		26

## Department of Political Science and Public Administration

Department Head: Dr. Timothy Barnett

220 Brewer Hall

The Department of Political Science and Public Administration offers a variety of courses for students in the liberal arts, pre-law, and professional education curricula. A wide range of courses is available for those preparing for careers in law, government, politics, international affairs, business, communications, and many other fields.

- Political Science (Bachelor of Arts) (p. 137)
- International Studies Minor (p. 138)
- Political Science Minor (p. 139)
- Public Administration Minor (p. 139)

### Professor

Barnett, Timothy J. (p. 178)

Lester, William (p. 185)

Owens, Lori (p. 188)

### Associate Professor

Hathaway, Paul L. (p. 183)

Krejci, Daniel T. (p. 185)

Saeki, Manabu (p. 189)

### Assistant Professor

Gross, Benjamin I. (p. 182)

## Political Science (Bachelor of Arts)

Course	Title	Credits
<b>General Studies Requirements</b>		41
<b>Pre-Professional Courses</b>		19
CJ 101	Introduction to Criminal Justice	3
CS 201	Introduction to Information Technology	3
PSC 100	Introduction to American Government	3
PSC 102	Introduction to State and Local Government	3
Math higher than MS 110 (MS 204 recommended)		3
General Electives		4
<b>Political Science Requirements</b>		
At least 6 hours from each of the four fields: <sup>1</sup>		24
American Government		

<b>Global Studies</b>		
Theory and Methodology		
Public Administration and Policy		
3 hours of Political Science electives 100+		6
3 hours Political Science electives 300+		3
<b>Minor and General Electives</b>		30
Total Hours		142

## Fields of Political Science

Course	Title	Credits
<b>American Government</b>		
PSC 101	Introduction to Political Science	
PSC 203	Introduction to the Law	
PSC 230	Politics and Film	
PSC 342	Political Parties	
PSC 352	The Legislative Process	
PSC 410	Religion, Politics and Policy	
PSC 442	Legal Reasoning	
PSC 443	Constitutional Law I	
PSC 444	Constitutional Law II	
PSC 445	Southern Politics	
PSC 447	Politics and Public Opinion	
PSC 493	The Judicial Process	
<b>Global Studies</b>		
PSC 232	Introduction to International Relations	
PSC 373	Governments of Europe	
PSC 375	Governments of Latin America	
PSC 377	Governments of the Middle East	
PSC 423	American Foreign Policy	
PSC 430	Governments of Asia	
PSC 431	Comparative Politics	
<b>Public Administration and Policy</b>		
PSC 310	Introduction to Public Policy	
PSC 320	Introduction to Public Administration	
PSC 412	Inter-governmental Relations	
PSC 450	The American Executive	
PSC 482	Grantwriting	
<b>Theory and Methodology</b>		
PSC 301	Political Science Methods <sup>2</sup>	
PSC 451	Ancient and Medieval Political Theory	
PSC 452	Modern Political Theory	
PSC 454	American Political Thought	
PSC 455	Introduction to Political Psychology	

### Footnotes

<sup>1</sup> At least one course from each field must be 300+.

<sup>2</sup> It is strongly recommended that majors considering graduate study take PSC 301 Political Science Methods (3).

<sup>1</sup> At least one course from each field must be 300+.

<sup>2</sup> It is strongly recommended that majors considering graduate study take PSC 301 Political Science Methods (3).

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101 or HY 201	Western Civilization I or American History I	3
PSC 100	Introduction to American Government	3
Fine Arts		3
MS 110	Finite Mathematics (or higher)	3
STU 101	First Year Experience	0
Hours		15
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
HY 102 or HY 202	Western Civilization II (to complete sequence) or American History II	3
PSC 102	Introduction to State and Local Government	3
MS higher than 110 (MS 204 is recommended) <sup>1</sup>		3
Hours		15
<b>Sophomore</b>		
<b>Fall</b>		
EH Literature		3
Natural Science sequence		4
Social/Behavioral Science <sup>1</sup>		3
CS 201	Introduction to Information Technology	3
Political Science Electives		3
Hours		16
<b>Spring</b>		
EH Literature		3
Natural Science sequence		4
Social/Behavioral Science		3
CJ 101	Introduction to Criminal Justice	3
General Elective		1
Hours		14
<b>Junior</b>		
<b>Fall</b>		
PSC Global Studies Electives		3
PSC Theory and Methodology Electives		3
PSC Public Administration Electives		3
PSC American Government Electives		3
Minor/General Electives		3
Hours		15
<b>Spring</b>		
PSC Theory and Methodology Electives		3
PSC Public Administration Electives		3
Minor/General Electives		9
Hours		15
<b>Senior</b>		
<b>Fall</b>		
PSC Global Studies Electives		3
PSC American Government Electives		3
Minor/General Electives 300+		9
Hours		15
<b>Spring</b>		
PSC 300+ Electives		3
Minor/General Electives 300+		3
General Electives 300+		3

General Electives	6
Hours	15
Total Hours	120

<sup>1</sup> MS 204 Basic Statistics (3) recommended

## International Studies Minor

Students whose interest and/or career plans have an international orientation may wish to pursue a minor in International Studies. Twenty-four semester hours, distributed as follows, are required for the International Studies minor.

Students minoring in International Studies must take HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) and must take GY 120 World Regional Geography (3) and GY 220 Human Geography (3). The history courses and geography courses may also count toward the general studies curriculum history and social/behavioral science requirements.

Course	Title	Credits
<b>Political Science <sup>1</sup></b>		
PSC 100	Introduction to American Government (Political Science majors must take an additional course from the Global Studies field) <sup>1</sup>	3
PSC 232	Introduction to International Relations	3
PSC 423	American Foreign Policy	3
Select one of the following:		3
PSC 373	Governments of Europe	
PSC 375	Governments of Latin America	
PSC 377	Governments of the Middle East	
PSC 430	Governments of Asia	
<b>Geography <sup>1</sup></b>		
Select one of the following:		3
GY 320	Political Geography	
GY 341	Economic Geography	
GY 466	Topics in Cultural Geography	
Select one of the following:		3
GY 351	Advanced Regional Study	
AN 345	Cultural Anthropology	
AN 347	Current Social Issues <sup>2</sup>	
<b>Electives</b>		
Select two from the following:		6
<b>Foreign Language-by advisement <sup>2</sup></b>		
<b>History <sup>2</sup></b>		
HY 302	History of Great Britain, 1689 to the Present	
HY 332	Russian History through the Revolutions of 1917	
HY 333	Russian History from 1855 to the Present	
HY 404	The Age of the Cold War: Europe, 1945-Present	
HY 409	Modern France	
HY 465	The British Empire and Commonwealth	
HY 468	Constitutional History of England	
HY 469	Age of Churchill	
HY 470	American Diplomatic History to 1933	
HY 471	American Diplomatic History Since 1933	
HY 473	Modern Middle East	

HY 480	Colonial Latin America
HY 481	Modern Latin America
HY 483	United States-Latin American Relations
HY 485	History of Mexico
<b>Sociology</b>	
SY 366	Sociology of Religion
<b>School of Business and Industry</b>	
EC 305	Comparative Economic Systems
EC 450	International Economics
FIN 434	International Finance
MGT 496	International Management
Total Hours	24

<sup>1</sup> Courses counted toward the major may not also be counted toward the International Studies minor.

<sup>2</sup> Where possible, all area-specific courses should focus on the same area: Western Europe, the former Soviet Union and Eastern Europe, Far East, Latin America, the Middle East, etc.

## Political Science Minor

The Political Science minor requires twenty-one semester hours, including:

Course	Title	Credits
PSC 100	Introduction to American Government	3
PSC 102	Introduction to State and Local Government	3
At least 3 hours from each of the 3 fields:		9
Theory and Methodology		
American Government		
Global Studies		
Select 6 hours of political science electives		6
Total Hours		21

## Fields of Political Science

Course	Title	Credits
<b>American Government</b>		
PSC 101	Introduction to Political Science	
PSC 203	Introduction to the Law	
PSC 230	Politics and Film	
PSC 342	Political Parties	
PSC 352	The Legislative Process	
PSC 410	Religion, Politics and Policy	
PSC 442	Legal Reasoning	
PSC 443	Constitutional Law I	
PSC 444	Constitutional Law II	
PSC 445	Southern Politics	
PSC 447	Politics and Public Opinion	
PSC 493	The Judicial Process	
<b>Global Studies</b>		
PSC 232	Introduction to International Relations	
PSC 373	Governments of Europe	
PSC 375	Governments of Latin America	
PSC 377	Governments of the Middle East	

PSC 423	American Foreign Policy
PSC 430	Governments of Asia
PSC 431	Comparative Politics
<b>Public Administration and Policy</b>	
PSC 310	Introduction to Public Policy
PSC 320	Introduction to Public Administration
PSC 412	Inter-governmental Relations
PSC 450	The American Executive
PSC 482	Grantwriting
<b>Theory and Methodology</b>	
PSC 301	Political Science Methods <sup>2</sup>
PSC 451	Ancient and Medieval Political Theory
PSC 452	Modern Political Theory
PSC 454	American Political Thought
PSC 455	Introduction to Political Psychology

<sup>1</sup> It is strongly recommended that majors considering graduate study take PSC 301 Political Science Methods (3).

## Public Administration Minor

The eighteen semester hour Public Administration minor is designed for students who wish to pursue a career with a federal, state, or local government agency or nonprofit organization by developing their knowledge of public administration theories and best practices. In addition, the minor provides a solid foundation for students who wish to pursue a Master of Public Administration degree. The required courses are:

Course	Title	Credits
PSC 100	Introduction to American Government	3
PSC 310	Introduction to Public Policy	3
PSC 412	Inter-governmental Relations	3
PSC 450	The American Executive	3
PSC 482	Grantwriting	3
PSC 320	Introduction to Public Administration	3
Total Hours		18

## Department of Psychology

Department Head: Dr. Paige Mc Kerchar

### 211 Ayers Hall

The Mission of the Department of Psychology:

- Develop a thoroughgoing, science-based psychology curriculum for understanding behavior
- Establish student learning outcomes related to basic psychological principles, research methods, critical thinking, and professional skills
- Support student participation in research programs and community service projects

These experiences are designed to allow students the opportunity to practice discussing major psychological principles and research findings, to apply psychological principles and procedures to real-life settings, and to eventually pursue careers in an array of human-service industries or admission to various graduate programs.

- Psychology (Bachelor of Science) (p. 140)
- Psychology Minor (p. 141)

## Professor

Dempsey, Heidi L. (p. 181)

Palya, William L. (p. 188)

## Associate Professor

McKerchar, Paige (p. 187)

McKerchar, Todd (p. 187)

Robertson, Shannon E. (p. 189)

## Assistant Professor

Bayles, Makenzie (p. 178)

Bruzek, Jennifer L. (p. 179)

## Instructor

Conroy, Roxana S. (p. 180)

Cothran, Misty (p. 180)

## Psychology (Bachelor of Science)

The course requirements for a major in Psychology total 120 semester hours, including general studies requirements (60 semester hours) and a minor in a different academic discipline.

Course	Title	Credits
<b>Area I: Written Composition</b>		
EH 101	English Composition	3
EH 102	English Composition	3
<b>Area II: Humanities and Fine Arts</b>		
EH 141	Oral Communication	3
Select two literature courses from the following:		6
EH 201	American Literature I	
EH 202	American Literature II	
EH 203	Survey of English Literature I	
EH 204	Survey of English Literature II	
EH 219	Honors Literature I	
EH 220	Honors Literature II	
EH 231	World Literature I	
EH 232	World Literature II	
Select one fine arts course from the following:		3
ART 202	Art Appreciation	
DR 242	Introduction to the Theatre	
MU 233	Introduction to Music	
<b>Area III: Natural Sciences and Mathematics</b>		
MS 110	Finite Mathematics (or higher)	3
Select one science sequence from the following:		8
Option 1:		
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	

BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	
Option 2:		
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	
Option 3:		
GL 241 & GL 243	Physical Geology and Physical Geology Lab	
GL 242 & GL 244	Historical Geology and Historical Geology Lab	
Option 4:		
GY 250 & GY 252	Physical Geography I: Atmospheric Patterns and Processes and Physical Geography Lab I	
GY 251 & GY 253	Physical Geography II: Landscape Patterns and Processes and Physical Geography Lab II	
Option 5:		
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I	
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II	
<b>Area IV: History, Social, and Behavioral Science</b>		
Select one history sequence from the following:		6
HY 101 & HY 102	Western Civilization I and Western Civilization II	
HY 201 & HY 202	American History I and American History II	
Select two social science courses from the following:		6
AN 224	Introduction to Anthropology	
EC 221	Principles of Microeconomics	
EC 222	Principles of Macroeconomics	
GY 120	World Regional Geography	
GY 220	Human Geography	
PSC 100	Introduction to American Government	
SY 221	Introduction to Sociology	
<b>Area V: Pre-Professional, Major, and Elective Courses</b>		
CS 201	Introduction to Information Technology (or higher)	3
MS 204 or MS 302	Basic Statistics Applied Probability and Statistics	3
PSY 201	Principles of Psychology	3
PSY 205	Orientation to Psychology	1
Select nine elective hours <sup>1</sup>		9
<b>Thirty-six semester hours in psychology</b>		
Core Courses:		
PSY 220	Principles of Behavior Analysis	3
PSY 221	Behavior Analysis Lab	1
PSY 301	Research Methods and Statistics	4
PSY 450	History and Systems of Psychology	4
Select twenty-four PSY elective courses from courses listed 300 or above (excluding required courses) <sup>2</sup>		24

- <sup>1</sup> Minor courses may be used to meet elective requirements.
- <sup>2</sup> Only six hours from courses numbered 460-499 can count toward this requirement.

Note: This is only a suggested plan of study. Variations may occur due to individual circumstances.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
EH 141	Oral Communication	3
HY 101 or HY 201	Western Civilization I or American History I	3
PSY 201 or PSY 202	Principles of Psychology or Honors Principles of Psychology	3
PSY 205	Orientation to Psychology	1
STU 101	First Year Experience	0
MS 100	Intermediate Algebra for Precalculus (if required)	
Hours		13
<b>Spring</b>		
EH 102	English Composition	3
History sequence		3
MS 110	Finite Mathematics (or higher)	3
PSY 220	Principles of Behavior Analysis	3
PSY 221	Behavior Analysis Lab	1
Hours		13
<b>Sophomore</b>		
<b>Fall</b>		
EH Literature		3
Natural Science sequence		4
MS 204	Basic Statistics	3
Social/Behavioral Science		3
CS 201	Introduction to Information Technology (or higher)	3
Hours		16
<b>Spring</b>		
EH Literature		3
Natural Science sequence		4
Fine Arts		3
Social/Behavioral Science		3
Minor/Electives		3
Hours		16
<b>Junior</b>		
<b>Fall</b>		
PSY 301	Research Methods and Statistics	4
Psychology Electives 300+		6
Minor/Electives		6
Hours		16
<b>Spring</b>		
Psychology Electives 300+		6
Minor/Electives		9
Hours		15
<b>Senior</b>		
<b>Fall</b>		
PSY 450	History and Systems of Psychology	4
Psychology Electives 300+		6

Minor/Electives	6
Hours	16
<b>Spring</b>	
Psychology Electives 300+	6
Minor/Electives	9
Hours	15
Total Hours	120

## Psychology Minor

The requirements for a minor in Psychology are 20 semester hours, including:

Course	Title	Credits
PSY 220	Principles of Behavior Analysis <sup>1</sup>	3
PSY 221	Behavior Analysis Lab <sup>1</sup>	1
PSY 301	Research Methods and Statistics <sup>1</sup>	4
12 Hours of Psychology electives numbered 300 or higher (excluding PSY 301)		12
Total Hours		20

<sup>1</sup> PSY 201 Principles of Psychology (3) is a prerequisite for these courses.

Students may only count three hours of courses numbered 460-499 toward their Psychology minor.

## Department of Sociology and Social Work

Department Head: Dr. Maureen Newton

307 Brewer Hall

The BSW Program is accredited by the Council on Social Work Education.

The goals of the Social Work program are to prepare social work graduates for the successful application of the knowledge, values, and skills for generalist social work practice in a variety of settings. This includes, but is not limited to, excellence in interpersonal, problem solving, and critical thinking skills. The goals of the Sociology program are to acquaint the student with the nature of social behavior, social relations, culture, the structure of society, and the tensions and conflicts produced by changes, expanding technologies, and knowledge.

- Social Work (Bachelor of Social Work) (p. 142)
- Sociology (Bachelor of Arts) (p. 143)
- Sociology (Bachelor of Science) (p. 144)
- Sociology Minor (p. 145)
- Gerontology Minor (p. 146)
- Criminology Minor (p. 146)

## Professor

Deshotels, Tina H. (p. 181)

Newton, Maureen (p. 187)

Stewart, Nancy F. (p. 190)

## Associate Professor

Rider, Erin (p. 189)

Ross, Jeremy (p. 189)

## Assistant Professor

Davis, Shadonna (p. 181)

Donley, Sarah B. (p. 181)

Long, Jody (p. 186)

Turgeon, Brianna (p. 191)

Wickersham, Kimberly (p. 192)

## Instructor

Adams, Jonathan (p. 178)

Barclift, Dee (p. 178)

Creech, Sean (p. 180)

Phillips, Karen (p. 188)

Snider, Robyn V. (p. 190)

Whorton, Kimberly (p. 192)

## Social Work (Bachelor of Social Work)

Students completing the BSW degree will be prepared for entry-level generalist social work practice. The BSW degree requires 120 hours including meeting all university and program general education requirements. The general studies requirements for the BSW degree total 60 hours:

Course	Title	Credits
<b>Area I: Written Composition</b>		
EH 101	English Composition	3
EH 102	English Composition	3
<b>Area II: Humanities and Fine Arts</b>		
Select two literature courses from the following:		6
EH 201	American Literature I	
EH 202	American Literature II	
EH 203	Survey of English Literature I	
EH 204	Survey of English Literature II	
EH 219	Honors Literature I	
EH 220	Honors Literature II	
EH 231	World Literature I	
EH 232	World Literature II	
EH 141	Oral Communication	3
Select one art course from the following:		3
ART 202	Art Appreciation	
MU 233	Introduction to Music	
DR 242	Introduction to the Theatre	
<b>Area III: Natural Sciences and Mathematics</b>		
BY 101	Introductory Biology I	3

BY 102	Introductory Biology II	3
BY 103	Introductory Biology Lab I	1
BY 104	Introductory Biology Lab II	1
MS 110	Finite Mathematics (or higher)	3

### Area IV: History, Social, and Behavioral Sciences

Select one of the following sequences:		6
HY 101 & HY 102	Western Civilization I and Western Civilization II	
HY 201 & HY 202	American History I and American History II	
PSY 201	Principles of Psychology	3
SY 221	Introduction to Sociology	3

### Area V: Pre-Professional, Major, and Elective Courses

EC 221 or EC 222	Principles of Microeconomics Principles of Macroeconomics	3
PSC 100	Introduction to American Government	3
MS 204	Basic Statistics	3
CS 201	Introduction to Information Technology	3
Select one course from the following:		3
FCS 215	Introductory Nutrition	
HPE 212	Personal and Community Health	
MSC 115	First Aid	
HPE 109	Concepts of Wellness	
Select four hours of general electives		4

The requirements for a Bachelor of Social Work degree include 54 semester hours of social work courses. The following 39 hours of social work courses are required:

Course	Title	Credits
SW 330	Introduction to Social Work <sup>1</sup>	3
SW 332	Social Policy and Services	3
SW 350	Social Work Research	3
SW 360	Cultural Diversity and Social Justice	3
SW 380	Human Behavior and Social Environment I	3
SW 381	Human Behavior and Social Environment II	3
SW 390	Social Work Practice I	3
SW 391	Social Work Practice II	3
SW 448	Social Work Practice III	3
SW 449	Field Instruction Placement	9
SW 450	Field Instruction Seminar	3
Select five social work elective courses from the following:		15
SW 300	Interpersonal Skills and Human Relations	
SW 333	Family and Child Welfare Services I	
SW 335	Social Work in Health Care	
SW 336	Crisis Intervention	
SW 338	Social Work and Mental Health	
SW 339	Communication In Social Work Practice	
SW 340	Social Work and Substance Abuse	
SW 343	Family and Child Welfare Services II	
SW 344	Community Engagement and Leadership	
SW 353	Forensic Social Work	
SW 365	Perspectives on Poverty	
SW 370	Aging and Human Development	

SW 371	Perspectives on Death and Dying
SW 392	Cognitive Theories in Social Work Practice
SW 395	Case Management
SW 399	Study Tour
SW 441	Independent Study
SW 442	Independent Study
SW 443	Independent Study
SW 445	Special Topics in Social Work
SW 446	Special Topics in Social Work
SW 447	Special Topics in Social Work

<sup>1</sup> SW 330 Introduction to Social Work (3) is a prerequisite for all social work classes with exception of SW 300 Interpersonal Skills and Human Relations (3), SW 344 Community Engagement and Leadership (3), SW 365 Perspectives on Poverty (3), SW 370 Aging and Human Development (3), SW 371 Perspectives on Death and Dying (3), and SW 380 Human Behavior and Social Environment I (3).

Social Work majors are not required to have a minor. Social work majors must earn a minimum of "C" or better in each of the social work courses.

Eligibility for the BSW Program requires passage of at least 48 semester hours [including MS 110 Finite Mathematics (3) or higher and MS 204 Basic Statistics (3)], a 2.25 overall GPA, a grade of "C" or better in SW 330 Introduction to Social Work (3), successful completion of SW 390 Social Work Practice I (3), and a passing score on the English Competency Exam. *Applications for eligibility for the Bachelor of Social Work degree program* are distributed to students enrolled in SW 390 Social Work Practice I (3). This application should be submitted to the program secretary upon completion of SW 390 Social Work Practice I (3). Students must have been formally determined as eligible for the social work program before taking SW 391 Social Work Practice II (3), SW 448 Social Work Practice III (3), SW 449 Field Instruction Placement (9), and SW 450 Field Instruction Seminar (3). Students denied eligibility are encouraged to complete the application as soon as they meet the requirements and return it to the secretary for the BSW. Students must maintain a 2.50 GPA in social work and a 2.25 GPA overall in order to graduate. See the BSW program webpage at <http://www.jsu.edu/socialwork/index.html> (<http://www.jsu.edu/socialwork/>) for complete information about the BSW program.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101 or HY 201	Western Civilization I <sup>1</sup> or American History I	3
BY 101	Introductory Biology I	3
BY 103	Introductory Biology Lab I	1
Select one of the following:		3
ART 202	Art Appreciation	
MU 233	Introduction to Music	
DR 242	Introduction to the Theatre	
STU 101	First Year Experience	0
Hours		13

<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
HY 102 or HY 202	Western Civilization II <sup>1</sup> or American History II	3
BY 102	Introductory Biology II	3
BY 104	Introductory Biology Lab II	1
PSY 201	Principles of Psychology	3
Hours		16

<b>Sophomore</b>		
<b>Fall</b>		
EH Literature		3
MS 110	Finite Mathematics (or higher)	3
CS 201	Introduction to Information Technology	3
PSC 100	Introduction to American Government	3
Select one of the following:		3
FCS 215	Introductory Nutrition	
HPE 212	Personal and Community Health	
MSC 115	First Aid	
HPE 109	Concepts of Wellness	
Hours		15

<b>Spring</b>		
EH Literature		3
MS 204	Basic Statistics	3
SY 221	Introduction to Sociology	3
EC 221 or EC 222	Principles of Microeconomics or Principles of Macroeconomics	3
General Electives		4
Hours		16

<b>Junior</b>		
<b>Fall</b>		
SW 330	Introduction to Social Work	3
SW 380	Human Behavior and Social Environment I	3
Social Work Electives		3
General Electives		6
Hours		15

<b>Spring</b>		
SW 390	Social Work Practice I	3
SW 350	Social Work Research	3
SW 360	Cultural Diversity and Social Justice	3
Social Work Electives		6
Hours		15

<b>Senior</b>		
<b>Fall</b>		
SW 332	Social Policy and Services	3
SW 381	Human Behavior and Social Environment II	3
SW 391	Social Work Practice II	3
Social Work Electives		6
Hours		15

<b>Spring</b>		
SW 448	Social Work Practice III	3
SW 449	Field Instruction Placement	9
SW 450	Field Instruction Seminar	3
Hours		15
Total Hours		120

<sup>1</sup> A sequence of either HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3) must be taken.

## Sociology (Bachelor of Arts)



The requirements for a Bachelor of Arts degree in Sociology are a minimum of 120 semester hours, meeting all university and program general education requirements, 30 semester hours of sociology coursework, and either a second major or minor. Of the 30 hours required for the Sociology major, 15 hours are dictated by the program, while the additional 15 hours are sociology electives.

Course	Title	Credits
<b>Required Courses</b>		
SY 221	Introduction to Sociology	3
or SY 222	Honors Introduction to Sociology	
SY 301	Sociological Methods	3
SY 427	Classical Social Theory	3
or SY 428	Contemporary Social Theory	
SY 499	Senior Sociology Seminar	3
Select one course from the following:		3
SY 324	Social Stratification	
SY 360	Ethnic and Minority Group Relations	
SY 368	Theories of Gender	
Select fifteen hours from only Sociology courses at the 300 level or higher		15

Sociology majors must earn a minimum of "C" or better in each of the major and minor courses.

SY 221 Introduction to Sociology (3) or SY 222 Honors Introduction to Sociology (3) is a prerequisite for most sociology courses. SY 427 Classical Social Theory (3), SY 428 Contemporary Social Theory (3), and SY 499 Senior Sociology Seminar (3) have additional prerequisites. SY 301 Sociological Methods (3) and MS 204 Basic Statistics (3) should be taken prior to sociology 300+ electives. Students are urged to consult with their academic advisor who will be helpful in choosing electives. Students should balance breadth and depth as best suits their own needs and future plans.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101	Western Civilization I <sup>1</sup>	3
or HY 201	or American History I	
Natural Science sequence		4
Fine Arts		3
SY 221	Introduction to Sociology	3
or SY 222	or Honors Introduction to Sociology	
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
HY 102	Western Civilization II <sup>1</sup>	3
or HY 202	or American History II	
Natural Science sequence		4
Social/Behavioral Science <sup>2</sup>		3
Hours		16

**Sophomore**

<b>Fall</b>		
EH Literature <sup>3</sup>		3
MS 110	Finite Mathematics (or higher)	3
Minor/Electives		5
SY 223	Social Problems	3
Hours		14

**Spring**

<b>Fall</b>		
EH Literature <sup>3</sup>		3
MS 204	Basic Statistics	3
CS 201	Introduction to Information Technology	3
Minor/Electives		5
Hours		14

**Junior**

<b>Fall</b>		
SY 301	Sociological Methods	3
Select one of the following:		3
SY 324	Social Stratification	
SY 360	Ethnic and Minority Group Relations	
SY 368	Theories of Gender	
Sociology Electives 300+		3
Minor/Electives 300+		3
Minor/Electives 300+		3
Hours		15

**Spring**

<b>Fall</b>		
Sociology Electives 300+		6
Minor/Electives 300+		6
Minor/Electives		3
Hours		15

**Senior**

<b>Fall</b>		
Sociology Electives 300+		3
SY 427	Classical Social Theory	3
or SY 428	or Contemporary Social Theory	
Minor/Electives		9
Hours		15

**Spring**

<b>Fall</b>		
SY 499	Senior Sociology Seminar	3
Sociology Electives 300+		3
Minor/Electives		9
Hours		15
Total Hours		120

- <sup>1</sup> A sequence of either HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3) must be taken.
- <sup>2</sup> Select from AN 224 Introduction to Anthropology (3), EC 222 Principles of Macroeconomics (3), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3) or PSY 202 Honors Principles of Psychology (3), or PSY 222 Human Development (3).
- <sup>3</sup> Select from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).

## Sociology (Bachelor of Science)

The requirements for a major in Sociology are a minimum of 120 semester hours, meeting all university and program general education

requirements, 30 semester hours of sociology coursework, and either a second major or minor. Of the 30 hours required for the Sociology major, 15 hours are dictated by the program, while the additional 15 hours are sociology electives.

Course	Title	Credits
<b>Required Courses</b>		
SY 221 or SY 222	Introduction to Sociology Honors Introduction to Sociology	3
SY 301	Sociological Methods	3
SY 427 or SY 428	Classical Social Theory Contemporary Social Theory	3
SY 499	Senior Sociology Seminar	3
Select one course from the following:		3
SY 324	Social Stratification	
SY 360	Ethnic and Minority Group Relations	
SY 368	Theories of Gender	
Select fifteen hours from only Sociology courses at the 300 level or higher		15
Total Hours		30

Sociology majors must earn a minimum of "C" or better in each of the major and minor courses.

SY 221 Introduction to Sociology (3) or SY 222 Honors Introduction to Sociology (3) is a prerequisite for most sociology courses. SY 427 Classical Social Theory (3), SY 428 Contemporary Social Theory (3), and SY 499 Senior Sociology Seminar (3) have additional prerequisites. SY 301 Sociological Methods (3) and MS 204 Basic Statistics (3) should be taken prior to sociology 300+ electives. Students are urged to consult with their academic advisor who will be helpful in choosing electives. Students should balance breadth and depth as best suits their own needs and future plans.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
HY 101 or HY 201	Western Civilization I <sup>1</sup> or American History I	3
Natural Science sequence		4
Fine Arts		3
SY 221 or SY 222	Introduction to Sociology or Honors Introduction to Sociology	3
STU 101	First Year Experience	0
Hours		16
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
HY 102 or HY 202	Western Civilization II <sup>1</sup> or American History II	3
Natural Science sequence		4
Social/Behavioral Science <sup>2</sup>		3
Hours		16

**Sophomore**

<b>Fall</b>		
EH Literature <sup>3</sup>		3
MS 110	Finite Mathematics (or higher)	3
Minor/Electives		5
SY 223	Social Problems	3
Hours		14

<b>Spring</b>		
EH Literature <sup>3</sup>		3
MS 204	Basic Statistics	3
CS 201	Introduction to Information Technology	3
Minor/Electives		5
Hours		14

<b>Junior</b>		
<b>Fall</b>		
SY 301	Sociological Methods	3
Select one of the following:		3
SY 324	Social Stratification	
SY 360	Ethnic and Minority Group Relations	
SY 368	Theories of Gender	
Sociology Electives 300+		3
Minor/Electives 300+		3
Minor/Electives 300+		3
Hours		15

<b>Spring</b>		
Sociology Electives 300+		6
Minor/Electives 300+		6
Minor/Electives		3
Hours		15

<b>Senior</b>		
<b>Fall</b>		
Sociology Electives 300+		3
SY 427 or SY 428	Classical Social Theory or Contemporary Social Theory	3
Minor/Electives		9
Hours		15

<b>Spring</b>		
SY 499	Senior Sociology Seminar	3
Sociology Electives 300+		3
Minor/Electives		9
Hours		15
Total Hours		120

- <sup>1</sup> A sequence of either HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3) must be taken.
- <sup>2</sup> Select from AN 224 Introduction to Anthropology (3), EC 222 Principles of Macroeconomics (3), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3) or PSY 202 Honors Principles of Psychology (3), or PSY 222 Human Development (3).
- <sup>3</sup> Select from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).

## Sociology Minor

The requirements for a minor in Sociology are a minimum of 18 semester hours, which must include:

Course	Title	Credits
SY 221	Introduction to Sociology	3
or SY 222	Honors Introduction to Sociology	
Select fifteen hours of Sociology electives numbered 300 or higher.		15
Total Hours		18

## Gerontology Minor

This minor provides an interdisciplinary approach to the study of aging in America. It prepares students to understand the problems, prospects, and policy issues involved in aging. The requirements for a minor in Gerontology are 18 semester hours, which must include:

Course	Title	Credits
SY 370	Aging and Human Development	3
or SW 370	Aging and Human Development	
SY 340	Perspectives on Death and Dying	3
or SW 371	Perspectives on Death and Dying	
Select the remaining twelve hours of electives from the following courses:		12
SY 360	Ethnic and Minority Group Relations	
SY 364	Medicine and Society	
SY 366	Sociology of Religion	
SY 441	Independent Study	
SY 442	Independent Study	
SY 443	Independent Study	
SY 452	Aging Practicum	
SY 495	Advanced Seminar in Aging	
SW 335	Social Work in Health Care	
SW 344	Community Engagement and Leadership	
SW 380	Human Behavior and Social Environment I	
SW 441	Independent Study	
HPE 420	Health Aspects of Aging	
PSY 323	Adult Development and Aging	
SMR 311	Recreation for the Aged	
Total Hours		18

There are no prerequisites for Gerontology minors.

## Criminology Minor

Courses within the Criminology minor focus on making, breaking, and societies' reaction to the breaking of laws. Special attention is given to how systems of power and privilege impact definitions of and implementations of legal and social sanctions. This minor prepares students to pursue a career as a lawyer, law enforcement, probation and parole, loss prevention specialists, juvenile justice, parole, drug/alcohol rehabilitation, judiciary court systems, and international/federal/state/local government.

The Criminology minor requires 18 hours.

Course	Title	Credits
SY 221	Introduction to Sociology	3
or SY 222	Honors Introduction to Sociology	
Select 15 hours from the following:		15
SY 223	Social Problems	

SY 315	Deviant Behavior	
SY 320	Criminology	
SY 322	Juvenile Delinquency	
SY 324	Social Stratification	
SY 360	Ethnic and Minority Group Relations	
SY 365	Drugs and Society	
SY 368	Theories of Gender	
Total Hours		18

# SCHOOL OF SCIENCE

Dean: Dr. Tim H. Lindblom

## 246 Martin Hall

Committed to Discovery. The School of Science at JSU offers a distinctive environment for investigation, learning, and discovery. In the classroom, laboratory, and field, our staff and faculty cultivate an atmosphere of inquiry. Alongside our students, we grapple with the big questions about our universe from a scientific perspective. With programs of study in three academic departments, we prepare undergraduate and graduate students to join the grand enterprise of discovery we call Science.

## Department of Biology

Department Head: Dr. Lori Hensley

### 242 Martin Hall

The Department of Biology offers a diverse spectrum of undergraduate courses in the biological sciences that enable a student to develop an understanding and appreciation of life, from molecular to ecological, and to develop the strong academic background necessary for pursuing graduate study or a career in biology or the health professions. The department recognizes the importance of both content and process in science education and thus offers the opportunity to develop communication skills and engage in undergraduate research in the biological sciences.

The Bachelor of Arts and the Bachelor of Science degrees with a major in Biology require an overall minimum of 120 hours with a minimum of 36 hours of 300/400 level courses. At least 12 hours of the 300/400 level courses must be taken in residence at JSU. Students must earn a "C" or better in biology coursework and maintain a 2.00 GPA overall and in the courses taken on campus. Once the student has met the requirements for the major, the hours remaining to complete the 120 hours overall will be classified as electives.

The Bachelor of Science degree with a major in Biology is for those who intend to pursue careers in:

- health professions (medicine, dentistry, optometry, physical therapy, pharmacy, veterinary medicine, physician assistant, etc.)
- graduate programs (MS, PhD), biological education, biomedical sciences, biotechnology, conservation biology, environmental biology, organismal biology, marine biology, industrial professions (lab managers, consulting, etc.)
- governmental professions (research scientist, NOAA, NMFS, etc.)

After completing a common core of biology courses, the Biology major may choose a concentration from the listing below. Students pursuing a BS degree in Biology are not required to have a minor in another academic discipline.

- Cellular and Molecular Biology
- Ecology and Environmental Biology
- Marine Biology
- Organismal Biology
- Pre-Health Professional Biology

**Advising**—Students who plan to earn the BS degree in Biology should consult with the Department of Biology for advisement early in their

plan of study and every semester thereafter. To complete the Biology degree program, the students majoring in Biology must plan carefully, since science laboratories can cause scheduling conflicts. An advisor can alert students to potential problems and assist in minimizing such conflicts. It is recommended that the Biology major complete the biology core of genetics, cell biology, ecology, and research in biology early in the course of study. Careful planning will facilitate the opportunity for undergraduate research.

Additional departmental, program, advising, and career information is available at [www.jsu.edu/biology](http://www.jsu.edu/biology) (<http://www.jsu.edu/biology/>).

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- Biology - Marine Biology (Bachelor of Science) (p. 149)
- Biology - Ecology and Environmental Biology (Bachelor of Science) (p. 150)
- Biology - Pre-Health Professional Biology (Bachelor of Science) (p. 152)
- Biology - Organismal Biology (Bachelor of Science) (p. 153)
- Biology - Cellular and Molecular Biology (Bachelor of Science) (p. 154)
- Biology Minor (p. 156)

## Professor

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Blair, Benjamin G. (p. 179)

Cline, George R. (p. 180)

Hamissou, Mijitaba (p. 183)

Hensley, Lori L. (p. 183)

Lindblom, Timothy H. (p. 186)

Murdock, Christopher (p. 187)

Rayburn, James R. (p. 189)

## Associate Professor

Sauterer, Roger (p. 189)

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Triplett, Jimmy (p. 191)

## Assistant Professor

Burns, Michael (p. 179)

Wofford, Sarah (p. 193)

## Instructor

Watkins, Richard (p. 192)

## Biology (Bachelor of Arts)

The requirements for a Bachelor of Arts degree with a major in Biology are:

Course	Title	Credits
<b>Freshman Biology Sequence</b>		
BY 101	Introductory Biology I	3
BY 102	Introductory Biology II	3
BY 103	Introductory Biology Lab I	1
BY 104	Introductory Biology Lab II	1
<b>Biology Core Courses</b>		
BY 322	Genetics	4
BY 332	Ecology	4
BY 373	Cell Biology	4
<b>Biology courses to be selected from each of the following groups:</b>		
Group I - Approved courses in cellular, physiological or developmental biology <sup>1</sup>		4
Group II - Approved courses in organismal biology <sup>1</sup>		4
<b>Senior Seminar</b>		
BY 496	Senior Seminar	1
<b>Electives</b>		
Select 8 hours of Biology 300/400 electives		8
<b>Freshman Chemistry Sequence</b>		
CY 105	General Chemistry I	
CY 106	General Chemistry II	
CY 107	General Chemistry Laboratory I	
CY 108	General Chemistry Laboratory II	
<b>Foreign Language Sequence</b>		
Select one of the following sequences:		6
FH 101 & FH 102	Beginner's French I and Beginner's French II	
SH 101 & SH 102	Beginner's Spanish I and Beginner's Spanish II	
<b>Mathematics</b>		
Select one of the following:		3
MS 113	Precalculus Trigonometry	
MS 125	Calculus I	
MS 204	Basic Statistics	
<b>Computer Science</b>		
CS 201	Introduction to Information Technology	3
<b>Wellness</b>		
Select one of the following:		3
FCS 215	Introductory Nutrition	
HPE 109	Concepts of Wellness	
MSC 113	Survival	
MSC 115	First Aid	
<b>Total Hours</b>		<b>60</b>

<sup>1</sup> The approved Group I and II courses required for the biology major are outlined in the "Plan of Study". No more than one hour each of BY 327 Directed Studies in Biology (1), BY 397 Biology Internship (1), BY 427 Independent Studies in Biology (1), and BY 489 Laboratory Practicum II (1) can be applied to the biology major.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
MS 112	Precalculus Algebra (or higher)	3
Social/Behavioral Science <sup>1</sup>		3
STU 101	First Year Experience	0
<b>Hours</b>		<b>13</b>
<b>Spring</b>		
EH 102	English Composition	3
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
Select one of the following:		3
MS 113	Precalculus Trigonometry	
MS 125	Calculus I	
MS 204	Basic Statistics	
Wellness <sup>2</sup>		3
Electives		3
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
History sequence <sup>3</sup>		3
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
Biology Core <sup>4</sup>		4
Social/Behavioral Science <sup>1</sup>		3
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
History sequence <sup>3</sup>		3
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
Biology Core <sup>4</sup>		4
CS 201	Introduction to Information Technology (or higher)	3
Electives		2
<b>Hours</b>		<b>16</b>
<b>Junior</b>		
<b>Fall</b>		
EH Literature <sup>5</sup>		3
Foreign Language sequence <sup>6</sup>		3
Biology Core <sup>4</sup>		4
EH 141	Oral Communication	3
Electives		3
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
EH Literature <sup>5</sup>		3
Foreign Language sequence <sup>6</sup>		3
Biology Group I <sup>7</sup>		4
Biology 300+ Electives		4
<b>Hours</b>		<b>14</b>
<b>Senior</b>		
<b>Fall</b>		
Biology Group II <sup>8</sup>		4
Electives 300+		5
Electives		7
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
Biology 300+ Electives		4
BY 496	Senior Seminar	1

Electives	10
Hours	15
Total Hours	120

- <sup>1</sup> Select from AN 224 Introduction to Anthropology (3), EC 221 Principles of Microeconomics (3), EC 222 Principles of Macroeconomics (3), GY 120 World Regional Geography (3), GY 220 Human Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), PSY 222 Human Development (3), or SY 221 Introduction to Sociology (3).
- <sup>2</sup> Select from MSC 113 Survival (3), MSC 115 First Aid (3), FCS 215 Introductory Nutrition (3), or HPE 109 Concepts of Wellness (3).
- <sup>3</sup> Select from HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).
- <sup>4</sup> Select from BY 322 Genetics (4), BY 332 Ecology (4), BY 373 Cell Biology (4).
- <sup>5</sup> Select two from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).
- <sup>6</sup> See academic advisor when selecting foreign language sequence; select from FH 101 Beginner's French I (3)/FH 102 Beginner's French II (3) or SH 101 Beginner's Spanish I (3)/SH 102 Beginner's Spanish II (3).
- <sup>7</sup> BY Group I: Select from BY 403 Immunology (3), BY 412 Plant Reproduction and Development (4), BY 413 Animal Reproduction and Development (4), BY 434 Animal Systems Physiology (4), BY 445 Ecotoxicology (4), BY 473 Advanced Cell Biology (4), BY 477 Cell and Tissue Culture (4), or BY 478 Endocrinology (3).
- <sup>8</sup> BY Group II: Select from BY 301 Field Zoology (3), BY 302 Field Botany (3), BY 320 Comparative Vertebrate Anatomy (4), BY 323 Microbiology (4), BY 406 Ornithology (4), BY 407 Mammalogy (4), BY 422 Biology of Cryptogams (4), BY 442 General Entomology (4), BY 450 Molecular Biology (4), BY 451 Plant Anatomy (4), BY 452 Plant Taxonomy (4), BY 453 Dendrology (4), BY 458 Herpetology (4), BY 460 Ichthyology (4), BY 475 Economic Botany (4), or BY 476 Invertebrate Zoology (4).

BY 332	Ecology	4
BY 373	Cell Biology	4

- Biology courses to be selected from each of the following groups:**
- Group I - Approved courses in cellular, physiological or developmental biology <sup>1</sup> 4
- Group II - Approved courses in organismal biology <sup>1</sup> 4

**Senior Seminar**

BY 496	Senior Seminar	1
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**Electives**

Select eight hours of Biology 300/400 electives	8
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**Freshman Chemistry Sequence**

CY 105	General Chemistry I	3
CY 106	General Chemistry II	3
CY 107	General Chemistry Laboratory I	1
CY 108	General Chemistry Laboratory II	1

**Organic Chemistry sequence**

CY 231	Organic Chemistry I	4
CY 232	Organic Chemistry II	4

**Mathematics**

Select one of the following: 3-4

MS 113	Precalculus Trigonometry
MS 125	Calculus I

or higher

**Computer Science**

CS 201	Introduction to Information Technology	3
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**Physics Sequence**

PHS 201	College Physics I	4
& PHS 203	and College Physics Laboratory Techniques I	
PHS 202	College Physics II	4
& PHS 204	and College Physics Laboratory Techniques II	

Total Hours	67-68
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<sup>1</sup> The approved Group I and II courses required for the biology major vary according to the specific concentration chosen and are outlined in the "Plan of Study". No more than one hour each of BY 327 Directed Studies in Biology (1), BY 397 Biology Internship (1), BY 427 Independent Studies in Biology (1), and BY 489 Laboratory Practicum II (1) can be applied to the biology major.

In addition to the requirements for the BS in Biology, the Marine Biology concentration requires 16 credit hours of marine biology courses which are offered during the summer only at the Dauphin Island Sea Lab (DISL). The following courses are required:

Course	Title	Credits
MBY 411	Marine Ecology	4
or MBY 461	Marine Behavioral Ecology	
Select one of the following:		4
MBY 481	Marine Mammals	
MBY 486	Marine Vertebrate Zoology	
MBY 487	Marine Invertebrate Zoology	
Select one of the following:		4
MBY 415	Marine Botany	
MBY 423	Marsh Ecology	
MBY 439	Coastal Wetlands Ecology	

## Biology - Marine Biology (Bachelor of Science)

Marine Biology is for majors who plan to enter graduate school or have careers in marine biology research, environmental assessment, or education. The department is an active member of Alabama's Marine Environmental Sciences Consortium. Summer study at the Dauphin Island Sea Lab is required.

The requirements for the major in Biology are:

Course	Title	Credits
<b>Freshman Biology Sequence</b>		
BY 101	Introductory Biology I	3
BY 102	Introductory Biology II	3
BY 103	Introductory Biology Lab I	1
BY 104	Introductory Biology Lab II	1
<b>Biology Core Courses</b>		
BY 322	Genetics	4

Select four hours of Marine Biology at the 300 or 400 level	4
<b>Total Hours</b>	<b>16</b>

Marine Biology electives must be approved by the JSU marine biology advisor. Students interested in marine biology must consult with the Biology Department's marine biology advisor for information about the concentrations, actual summer offerings at DISL, JSU Sea Lab Scholarships, application, and registration. Special fees and course availability are determined by DISL. Registration for DISL courses occurs during February each year.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
EH 101	English Composition	3
MS 112	Precalculus Algebra (or higher)	3
STU 101	First Year Experience	0
	Hours	14
<b>Spring</b>		
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
EH 102	English Composition	3
MS 113	Precalculus Trigonometry (or higher)	3
	Hours	14
<b>Sophomore</b>		
<b>Fall</b>		
EH Literature <sup>1</sup>		3
History sequence <sup>2</sup>		3
Biology Core <sup>3</sup>		4
CY 232	Organic Chemistry II	4
	Hours	14
<b>Spring</b>		
EH Literature <sup>1</sup>		3
History sequence <sup>2</sup>		3
Biology Core <sup>3</sup>		4
CY 231	Organic Chemistry I	4
	Hours	14
<b>Junior</b>		
<b>Fall</b>		
EH 141	Oral Communication	3
Biology Core <sup>3</sup>		4
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I <sup>4</sup>	4
Social/Behavioral Science <sup>5</sup>		3
	Hours	14
<b>Spring</b>		
CS 201	Introduction to Information Technology (or higher)	3
Electives		4
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II <sup>4</sup>	4
Social/Behavioral Science <sup>5</sup>		3
	Hours	14

<b>Summer</b>		
In Residence at Dauphin Island Sea Lab		
MBY 411 or MBY 461	Marine Ecology or Marine Behavioral Ecology	4
Select one of the following:		
MBY 481	Marine Mammals	
MBY 486	Marine Vertebrate Zoology	
MBY 487	Marine Invertebrate Zoology	
	Hours	8
<b>Senior</b>		
<b>Fall</b>		
Electives		9
Fine Arts <sup>6</sup>		3
	Hours	12
<b>Spring</b>		
Electives		7
BY 496	Senior Seminar	1
	Hours	8
<b>Summer</b>		
In Residence at Dauphin Island Sea Lab		
Marine Biology Elective <sup>7</sup>		
Select one of the following:		
MBY 415	Marine Botany	
MBY 423	Marsh Ecology	
MBY 439	Coastal Wetlands Ecology	
	Hours	8
	Total Hours	120

- Select two from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).
- Select from HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).
- Biology Core - select from BY 322 Genetics (4), BY 332 Ecology (4), or BY 373 Cell Biology (4).
- Students may elect to take calculus-based PHS 211 Physics for Scientists and Engineers I (4)/PHS 212 Physics for Scientists and Engineers II (4) in place of PHS 201 College Physics I (3)/PHS 202 College Physics II (3).
- Select from AN 224 Introduction to Anthropology (3), EC 221 Principles of Microeconomics (3), EC 222 Principles of Macroeconomics (3), GY 120 World Regional Geography (3), GY 220 Human Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), PSY 222 Human Development (3), or SY 221 Introduction to Sociology (3).
- Select from ART 202 Art Appreciation (3), MU 233 Introduction to Music (3), or DR 242 Introduction to the Theatre (3).
- Marine Biology elective (see marine biology program advisor for current list of approved courses).

## Biology - Ecology and Environmental Biology (Bachelor of Science)

Ecology and Environmental Biology is designed for those majors who plan to enter graduate school or have careers in ecological or environmental research, environmental assessment, or education.

The requirements for the major in Biology are:

Course	Title	Credits
<b>Freshman Biology Sequence</b>		
BY 101	Introductory Biology I	3
BY 102	Introductory Biology II	3
BY 103	Introductory Biology Lab I	1
BY 104	Introductory Biology Lab II	1
<b>Biology Core Courses</b>		
BY 322	Genetics	4
BY 332	Ecology	4
BY 373	Cell Biology	4
<b>Biology courses to be selected from each of the following groups:</b>		
Group I - Approved courses in cellular, physiological or developmental biology <sup>1</sup>		4
Group II - Approved courses in organismal biology <sup>1</sup>		4
<b>Senior Seminar</b>		
BY 496	Senior Seminar	1
<b>Electives</b>		
Select eight hours of Biology 300/400 electives		8
<b>Freshman Chemistry Sequence</b>		
CY 105	General Chemistry I	3
CY 106	General Chemistry II	3
CY 107	General Chemistry Laboratory I	1
CY 108	General Chemistry Laboratory II	1
<b>Organic Chemistry sequence</b>		
CY 231	Organic Chemistry I	4
CY 232	Organic Chemistry II	4
<b>Mathematics</b>		
Select one of the following:		3-4
MS 113	Precalculus Trigonometry	
MS 125	Calculus I	
	or higher	
<b>Computer Science</b>		
CS 201	Introduction to Information Technology	3
<b>Physics Sequence</b>		
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I	4
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II	4
Total Hours		67-68

<sup>1</sup> The approved Group I and II courses required for the biology major vary according to the specific concentration chosen and are outlined in the "Plan of Study". No more than one hour each of BY 327 Directed Studies in Biology (1), BY 397 Biology Internship (1), BY 427 Independent Studies in Biology (1), and BY 489 Laboratory Practicum II (1) can be applied to the biology major.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
EH 101	English Composition	3
MS 112	Precalculus Algebra	3
STU 101	First Year Experience	0
	Hours	14
<b>Spring</b>		
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
EH 102	English Composition	3
MS 113	Precalculus Trigonometry (or higher)	3
	Hours	14
<b>Sophomore</b>		
<b>Fall</b>		
EH Literature <sup>1</sup>		3
History sequence <sup>2</sup>		3
Biology Core <sup>3</sup>		4
Social/Behavioral Science <sup>4</sup>		3
CY 231	Organic Chemistry I	4
	Hours	17
<b>Spring</b>		
EH Literature <sup>1</sup>		3
History sequence <sup>2</sup>		3
Biology Core <sup>3</sup>		4
CS 201	Introduction to Information Technology (or higher)	3
CY 232	Organic Chemistry II	4
	Hours	17
<b>Junior</b>		
<b>Fall</b>		
EH 141	Oral Communication	3
Biology Core <sup>3</sup>		4
Biology Group I <sup>5</sup>		4
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I <sup>6</sup>	4
	Hours	15
<b>Spring</b>		
Biology Group II <sup>7</sup>		4
Biology 300+ Electives		4
Social/Behavioral Science <sup>4</sup>		3
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II <sup>6</sup>	4
	Hours	15
<b>Senior</b>		
<b>Fall</b>		
Biology 300+ Electives		4
Fine Arts <sup>8</sup>		3
Electives		7
	Hours	14
<b>Spring</b>		
Electives		13
BY 496	Senior Seminar	1
	Hours	14
Total Hours		120



- <sup>1</sup> Select two from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).
- <sup>2</sup> Select from HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).
- <sup>3</sup> Biology Core - select from BY 322 Genetics (4), BY 332 Ecology (4), or BY 373 Cell Biology (4).
- <sup>4</sup> Select from AN 224 Introduction to Anthropology (3), EC 221 Principles of Microeconomics (3), EC 222 Principles of Macroeconomics (3), GY 120 World Regional Geography (3), GY 220 Human Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), PSY 222 Human Development (3), or SY 221 Introduction to Sociology (3).
- <sup>5</sup> Biology Group I: Select from BY 412 Plant Reproduction and Development (4), BY 413 Animal Reproduction and Development (4), BY 434 Animal Systems Physiology (4), BY 445 Ecotoxicology (4), BY 473 Advanced Cell Biology (4), BY 478 Endocrinology (3) or BY 479 Plant Physiology (4).
- <sup>6</sup> Students may elect to take calculus-based PHS 211 Physics for Scientists and Engineers I (4)/PHS 212 Physics for Scientists and Engineers II (4) in place of PHS 201 College Physics I (3)/PHS 202 College Physics II (3).
- <sup>7</sup> Biology Group II: Select from BY 320 Comparative Vertebrate Anatomy (4), BY 323 Microbiology (4), BY 406 Ornithology (4), BY 407 Mammalogy (4), BY 422 Biology of Cryptogams (4), BY 442 General Entomology (4), BY 451 Plant Anatomy (4), BY 452 Plant Taxonomy (4), BY 453 Dendrology (4), BY 458 Herpetology (4), BY 460 Ichthyology (4) or BY 476 Invertebrate Zoology (4).
- <sup>8</sup> Select from ART 202 Art Appreciation (3), MU 233 Introduction to Music (3), or DR 242 Introduction to the Theatre (3).

Group I - Approved courses in cellular, physiological or developmental biology <sup>1</sup>	4
Group II - Approved courses in organismal biology <sup>1</sup>	4
<b>Senior Seminar</b>	
BY 496 Senior Seminar	1
<b>Electives</b>	
Select eight hours of Biology 300/400 electives	8
<b>Freshman Chemistry Sequence</b>	
CY 105 General Chemistry I	3
CY 106 General Chemistry II	3
CY 107 General Chemistry Laboratory I	1
CY 108 General Chemistry Laboratory II	1
<b>Organic Chemistry sequence</b>	
CY 231 Organic Chemistry I	4
CY 232 Organic Chemistry II	4
<b>Mathematics</b>	
Select one of the following:	3-4
MS 113 Precalculus Trigonometry	
MS 125 Calculus I	
or higher	
<b>Computer Science</b>	
CS 201 Introduction to Information Technology	3
<b>Physics Sequence</b>	
PHS 201 College Physics I	4
& PHS 203 and College Physics Laboratory Techniques I	
PHS 202 College Physics II	4
& PHS 204 and College Physics Laboratory Techniques II	
Total Hours	67-68

- <sup>1</sup> The approved Group I and II courses required for the biology major vary according to the specific concentration chosen and are outlined in the "Plan of Study". No more than one hour each of BY 327 Directed Studies in Biology (1), BY 397 Biology Internship (1), BY 427 Independent Studies in Biology (1), and BY 489 Laboratory Practicum II (1) can be applied to the biology major.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
MS 112	Precalculus Algebra (or higher)	3
STU 101	First Year Experience	0
		Hours
		14
<b>Spring</b>		
EH 102	English Composition	3
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
CY 106 & CY 107	General Chemistry II and General Chemistry Laboratory I	4

## Biology - Pre-Health Professional Biology (Bachelor of Science)

Pre-Health Professional Biology is for those majors who intend to seek admission to such health professions as medicine, dentistry, physical therapy, etc., or graduate study in the biomedical sciences.

A minor in Chemistry is recommended for the Pre-Health Professional Biology program.

The requirements for the major in Biology are:

Course	Title	Credits
<b>Freshman Biology Sequence</b>		
BY 101	Introductory Biology I	3
BY 102	Introductory Biology II	3
BY 103	Introductory Biology Lab I	1
BY 104	Introductory Biology Lab II	1
<b>Biology Core Courses</b>		
BY 322	Genetics	4
BY 332	Ecology	4
BY 373	Cell Biology	4
<b>Biology courses to be selected from each of the following groups:</b>		

MS 113	Precalculus Trigonometry (or higher)	3
Hours		14
<b>Sophomore</b>		
<b>Fall</b>		
History sequence <sup>1</sup>		3
Social/Behavioral Science <sup>2</sup>		3
CY 231	Organic Chemistry I	4
BY 322	Genetics <sup>3</sup>	4
or BY 373	or Cell Biology	
Hours		14
<b>Spring</b>		
History sequence <sup>1</sup>		3
Social/Behavioral Science <sup>2</sup>		3
CY 232	Organic Chemistry II	4
BY 322	Genetics <sup>3</sup>	4
or BY 373	or Cell Biology	
CS 201	Introduction to Information Technology (or higher)	3
Hours		17
<b>Junior</b>		
<b>Fall</b>		
EH 141	Oral Communication	3
BY 320	Comparative Vertebrate Anatomy (Biology Group I)	4
Biology 300+ electives <sup>4</sup>		4
PHS 201	College Physics I	4
& PHS 203	and College Physics Laboratory Techniques I <sup>5</sup>	
Hours		15
<b>Spring</b>		
EH Literature <sup>6</sup>		3
BY 434	Animal Systems Physiology (Biology Group II)	4
Biology 300+ electives <sup>4</sup>		4
PHS 202	College Physics II	4
& PHS 204	and College Physics Laboratory Techniques II <sup>5</sup>	
Hours		15
<b>Senior</b>		
<b>Fall</b>		
EH Literature <sup>6</sup>		3
BY 332	Ecology <sup>3</sup>	4
Electives		9
Hours		16
<b>Spring</b>		
Fine Arts <sup>7</sup>		3
Electives		11
BY 496	Senior Seminar	1
Hours		15
Total Hours		120

<sup>1</sup> Select from HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).

<sup>2</sup> Select from AN 224 Introduction to Anthropology (3), EC 221 Principles of Microeconomics (3), EC 222 Principles of Macroeconomics (3), GY 120 World Regional Geography (3), GY 220 Human Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), PSY 222 Human Development (3), or SY 221 Introduction to Sociology (3).

<sup>3</sup> Biology Core.

<sup>4</sup> Recommended elective courses: BY 323, BY 402, BY 403, BY 450, CY 362. A minor in chemistry is also recommend.

<sup>5</sup> Student may elect to take calculus-based PHS 211 Physics for Scientists and Engineers I (4)/PHS 212 Physics for Scientists and Engineers II (4) in place of PHS 201 College Physics I (3)/PHS 202 College Physics II (3).

<sup>6</sup> Select two from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).

<sup>7</sup> Select from ART 202 Art Appreciation (3), MU 233 Introduction to Music (3), or DR 242 Introduction to the Theatre (3).

## Biology - Organismal Biology (Bachelor of Science)

Organismal Biology is intended for those majors who plan graduate study in organismal biology (plant or animal biology), or who plan to pursue careers in biological education or conservation biology or as a naturalist.

The requirements for the major in Biology are:

Course	Title	Credits
<b>Freshman Biology Sequence</b>		
BY 101	Introductory Biology I	3
BY 102	Introductory Biology II	3
BY 103	Introductory Biology Lab I	1
BY 104	Introductory Biology Lab II	1
<b>Biology Core Courses</b>		
BY 322	Genetics	4
BY 332	Ecology	4
BY 373	Cell Biology	4
<b>Biology courses to be selected from each of the following groups:</b>		
Group I - Approved courses in cellular, physiological or developmental biology <sup>1</sup>		4
Group II - Approved courses in organismal biology <sup>1</sup>		4
<b>Senior Seminar</b>		
BY 496	Senior Seminar	1
<b>Electives</b>		
Select eight hours of Biology 300/400 electives		8
<b>Freshman Chemistry Sequence</b>		
CY 105	General Chemistry I	3
CY 106	General Chemistry II	3
CY 107	General Chemistry Laboratory I	1
CY 108	General Chemistry Laboratory II	1
<b>Organic Chemistry sequence</b>		
CY 231	Organic Chemistry I	4
CY 232	Organic Chemistry II	4
<b>Mathematics</b>		
Select one of the following:		3-4
MS 113	Precalculus Trigonometry	
MS 125	Calculus I	
or higher		
<b>Computer Science</b>		
CS 201	Introduction to Information Technology	3
<b>Physics Sequence</b>		

PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I	4
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II	4
Total Hours		67-68

<sup>1</sup> The approved Group I and II courses required for the biology major vary according to the specific concentration chosen and are outlined in the "Plan of Study". No more than one hour each of BY 327 Directed Studies in Biology (1), BY 397 Biology Internship (1), BY 427 Independent Studies in Biology (1), and BY 489 Laboratory Practicum II (1) can be applied to the biology major.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
MS 112	Precalculus Algebra (or higher)	3
STU 101	First Year Experience	0
Hours		14
<b>Spring</b>		
EH 102	English Composition	3
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
MS 113	Precalculus Trigonometry (or higher)	3
Hours		14
<b>Sophomore</b>		
<b>Fall</b>		
History sequence <sup>1</sup>		3
EH Literature <sup>2</sup>		3
Biology Core <sup>3</sup>		4
CY 231	Organic Chemistry I	4
Hours		14
<b>Spring</b>		
History sequence <sup>1</sup>		3
EH Literature <sup>2</sup>		3
Biology Core <sup>3</sup>		4
CS 201	Introduction to Information Technology	3
CY 232	Organic Chemistry II	4
Hours		17
<b>Junior</b>		
<b>Fall</b>		
EH 141	Oral Communication	3
Biology Core <sup>3</sup>		4
Biology Group I <sup>4</sup>		4
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I <sup>5</sup>	4
Hours		15
<b>Spring</b>		
Biology Group II <sup>6</sup>		4
Biology 300+ Electives		4

Social/Behavioral Science <sup>7</sup>		3
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II <sup>5</sup>	4
Hours		15
<b>Senior</b>		
<b>Fall</b>		
Biology 300+ Electives		4
Social/Behavioral Science <sup>7</sup>		3
Fine Arts <sup>8</sup>		3
Electives		6
Hours		16
<b>Spring</b>		
Electives		14
BY 496	Senior Seminar	1
Hours		15
Total Hours		120

- Select from HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).
- Select two from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).
- Biology Core - select from BY 322 Genetics (4), BY 332 Ecology (4), or BY 373 Cell Biology (4).
- Biology Group I: Select from BY 403 Immunology (3), BY 412 Plant Reproduction and Development (4), BY 413 Animal Reproduction and Development (4), BY 434 Animal Systems Physiology (4), BY 445 Ecotoxicology (4), BY 473 Advanced Cell Biology (4), BY 478 Endocrinology (3) or BY 479 Plant Physiology (4).
- Students may elect to take calculus-based PHS 211 Physics for Scientists and Engineers I (4)/PHS 212 Physics for Scientists and Engineers II (4) in place of PHS 201 College Physics I (3)/PHS 202 College Physics II (3).
- Biology Group II: Select from BY 320 Comparative Vertebrate Anatomy (4), BY 323 Microbiology (4), BY 406 Ornithology (4), BY 407 Mammalogy (4), BY 422 Biology of Cryptogams (4), BY 442 General Entomology (4), BY 451 Plant Anatomy (4), BY 452 Plant Taxonomy (4), BY 453 Dendrology (4), BY 458 Herpetology (4), BY 460 Ichthyology (4) or BY 476 Invertebrate Zoology (4).
- Select from AN 224 Introduction to Anthropology (3), EC 221 Principles of Microeconomics (3), EC 222 Principles of Macroeconomics (3), GY 120 World Regional Geography (3), GY 220 Human Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), PSY 222 Human Development (3), or SY 221 Introduction to Sociology (3).
- Select from ART 202 Art Appreciation (3), MU 233 Introduction to Music (3), or DR 242 Introduction to the Theatre (3).

## Biology - Cellular and Molecular Biology (Bachelor of Science)

Cellular and Molecular Biology is for those majors who plan graduate study in biotechnology, cell and molecular biology, or biochemistry or who plan to pursue careers in academic, industrial and/or biotechnology settings.

A chemistry minor, including Biochemistry [CY 362 Biochemistry I (4) and/or CY 363 Biochemistry II (4)] is highly recommended for students intending to pursue a graduate degree in cellular and molecular biology.

The requirements for the major in Biology are:

Course	Title	Credits
<b>Freshman Biology Sequence</b>		
BY 101	Introductory Biology I	3
BY 102	Introductory Biology II	3
BY 103	Introductory Biology Lab I	1
BY 104	Introductory Biology Lab II	1
<b>Biology Core Courses</b>		
BY 322	Genetics	4
BY 332	Ecology	4
BY 373	Cell Biology	4
<b>Biology courses to be selected from each of the following groups:</b>		
Group I - Approved courses in cellular, physiological or developmental biology <sup>1</sup>		4
Group II - Approved courses in organismal biology <sup>1</sup>		4
<b>Senior Seminar</b>		
BY 496	Senior Seminar	1
<b>Electives</b>		
Select eight hours of Biology 300/400 electives		8
<b>Freshman Chemistry Sequence</b>		
CY 105	General Chemistry I	3
CY 106	General Chemistry II	3
CY 107	General Chemistry Laboratory I	1
CY 108	General Chemistry Laboratory II	1
<b>Organic Chemistry sequence</b>		
CY 231	Organic Chemistry I	4
CY 232	Organic Chemistry II	4
<b>Mathematics</b>		
Select one of the following:		3-4
MS 113	Precalculus Trigonometry	
MS 125	Calculus I	
or higher		
<b>Computer Science</b>		
CS 201	Introduction to Information Technology	3
<b>Physics Sequence</b>		
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I	4
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II	4
Total Hours		67-68

<sup>1</sup> The approved Group I and II courses required for the biology major vary according to the specific concentration chosen and are outlined in the "Plan of Study". No more than one hour each of BY 327 Directed Studies in Biology (1), BY 397 Biology Internship (1), BY 427 Independent Studies in Biology (1), and BY 489 Laboratory Practicum II (1) can be applied to the biology major.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information**

**about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
BY 101 & BY 103	Introductory Biology I and Introductory Biology Lab I	4
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
EH 101	English Composition	3
MS 112	Precalculus Algebra (or higher)	3
STU 101	First Year Experience	0
	Hours	14
<b>Spring</b>		
BY 102 & BY 104	Introductory Biology II and Introductory Biology Lab II	4
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
EH 102	English Composition	3
MS 113	Precalculus Trigonometry (or higher)	3
	Hours	14
<b>Sophomore</b>		
<b>Fall</b>		
EH Literature <sup>1</sup>		3
History sequence <sup>2</sup>		3
BY 322 or BY 373	Genetics <sup>3</sup> or Cell Biology	4
CY 231	Organic Chemistry I	4
	Hours	14
<b>Spring</b>		
EH Literature <sup>1</sup>		3
History sequence <sup>2</sup>		3
BY 322 or BY 373	Genetics <sup>3</sup> or Cell Biology	4
CS 201	Introduction to Information Technology (or higher)	3
CY 232	Organic Chemistry II	4
	Hours	17
<b>Junior</b>		
<b>Fall</b>		
EH 141	Oral Communication	3
BY 332	Ecology	4
Biology Group I <sup>4</sup>		4
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I <sup>5</sup>	4
	Hours	15
<b>Spring</b>		
Biology Group II <sup>6</sup>		4
Biology 300+ Electives		4
Social/Behavioral Science <sup>7</sup>		3
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II <sup>5</sup>	4
	Hours	15
<b>Senior</b>		
<b>Fall</b>		
Fine Arts <sup>8</sup>		3
Biology 300+ Elective		4
Electives		8
	Hours	15
<b>Spring</b>		
BY 496	Senior Seminar	1
Social/Behavioral Science <sup>7</sup>		3

Electives	12
Hours	16
Total Hours	120

- <sup>1</sup> Select two from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).
- <sup>2</sup> Select from HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).
- <sup>3</sup> Biology core
- <sup>4</sup> Biology Group I: Select from BY 412 Plant Reproduction and Development (4), BY 413 Animal Reproduction and Development (4), BY 434 Animal Systems Physiology (4), BY 473 Advanced Cell Biology (4).
- <sup>5</sup> Student may elect to take calculus-based PHS 211 Physics for Scientists and Engineers I (4)/PHS 212 Physics for Scientists and Engineers II (4) in place of PHS 201 College Physics I (3)/PHS 202 College Physics II (3).
- <sup>6</sup> Biology Group II: Select from BY 323 Microbiology (4) or BY 450 Molecular Biology (4).
- <sup>7</sup> Select from AN 224 Introduction to Anthropology (3), EC 221 Principles of Microeconomics (3), EC 222 Principles of Macroeconomics (3), GY 120 World Regional Geography (3), GY 220 Human Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), PSY 222 Human Development (3), or SY 221 Introduction to Sociology (3).
- <sup>8</sup> Select from ART 202 Art Appreciation (3), MU 233 Introduction to Music (3), or DR 242 Introduction to the Theatre (3).

## Biology Minor

A minor in Biology requires a minimum of 24 hours, which include:

Course	Title	Credits
BY 101	Introductory Biology I	3
BY 102	Introductory Biology II	3
BY 103	Introductory Biology Lab I	1
BY 104	Introductory Biology Lab II	1
BY 322	Genetics	4
BY 332	Ecology	4
BY 373	Cell Biology	4
Select four additional hours of approved Biology courses at or above the 300 level		4
Total Hours		24

A minor in Biology may not be taken in conjunction with a major in Biology.

## Department of Chemistry and Geosciences

Department Head: Dr. Joe Morgan

206 Martin Hall

The Department of Chemistry and Geosciences offers a broad base and diverse spectrum of undergraduate courses in multiple fields of study. We offer majors in chemistry and geography and minor in physics. Our departmental interests span from subatomic particles to the fate of oceans and mountains, highlighting the importance of contemporary scientific questions. In Chemistry and Geosciences, the synergy between natural and social science enables cutting edge, high-quality education.

### Anthropology (AN)

Anthropology is a broad-based field of study. Its subject matter ranges from the analysis of primitive and modern cultures throughout the world (cultural anthropology) to the examination of ancient peoples and civilizations (archaeology) to the study of human biological evolution derived from the fossil record of Africa, Europe, and Asia (physical anthropology). Students may study anthropology to develop expertise leading to careers in archaeology or applied cultural research or to supplement a liberal arts education.

### Chemistry (CY)

A Bachelor of Science in Chemistry prepares students for a diversity of careers. All majors complete general education and chemistry courses to satisfy the degree requirements. The Bachelor of Science degree with a major in chemistry requires an overall minimum of 120 hours with a minimum of 36 hours of 300/400 level courses. At least 12 hours of the 300/400 level courses must be taken in residence at JSU. Students must earn a "C" or better in chemistry coursework and maintain a 2.00 GPA overall and a 2.00 GPA in courses taken on campus. Once the student has met the requirements for the major, the hours remaining to complete the overall 120 hours will be classified as electives. Majors may choose a concentration from either professional chemistry with ACS Certification or applied chemistry. Students pursuing a BS in chemistry are not required to have a minor in another academic discipline.

To complete the chemistry degree program, the students majoring in chemistry must plan carefully, since science laboratories can cause scheduling conflicts. An advisor can alert students to potential problems and assist in minimizing such conflicts. It is recommended that the chemistry major complete the chemistry core of General Chemistry I and II (CY 105, CY 106, CY 107 and CY 108), Organic Chemistry I and II (CY 231 and CY 232), CY 321 Quantitative Analysis, and CY 362 Biochemistry I early in the course of study. Careful planning will facilitate the opportunity for undergraduate research.

### Geography (GY)

Geography serves as a bridge between the physical and social sciences. Emphasis is on the nature and distribution of environmental systems, human activities, relations between them, and their variation from place to place. Geography's uniqueness is not derived from the subject matter studied, but from the discipline's technical and methodological approach to the locational analysis of phenomena.

The Bachelor of Science in Geography degree offered by the Department of Chemistry and Geosciences requires an overall minimum of 120 semester hours with a minimum of 36 hours of 300/400 level courses. At least 12 hours of 300/400 courses must be taken in residence at JSU. Students must earn a "C" or better in geography coursework and maintain a 2.00 GPA overall and a 2.00 GPA in courses taken on campus. Once the student has met the requirements for the major, the hours remaining to complete the overall 120 hours will be classified as electives. The major

requires 35 hours of Geography, including 21 hours of 300/400 level geography courses (this includes GY 307).

## Geology (GL)

A two-semester sequence of geology is offered which can be used to meet the university general studies natural science requirement. Students interested in earth science are encouraged to consider a major/minor in geography.

## Physics (PHS)

Jacksonville State University offers a minor in physics. Students in the sciences, mathematics and computer science will find this program a valuable complement to their majors.

- Chemistry - General Chemistry with ACS Certification (Bachelor of Science) (p. 157)
- Chemistry - Pre-Health Professional Chemistry (Bachelor of Science) (p. 158)
- Geography (Bachelor of Science) (p. 159)
- Chemistry Minor (p. 160)
- Geography Minor (p. 160)
- Physics Minor (p. 160)

## Professor

Gryko, Jan (p. 183)

Hill, Miriam H. (p. 183)

Holstein, Harry (p. 183)

Morgan, L. Joe (p. 187)

Zettili, Nouredine (p. 193)

## Associate Professor

Helms, Andrew B. (p. 183)

Weinkauff, Laura (p. 192)

## Assistant Professor

Brock, Vicki L. Tinnon (p. 179)

Martin, Ross (p. 186)

McGowin, Daniel (p. 186)

Perygin, Donna (p. 188)

## Chemistry - General Chemistry with ACS Certification (Bachelor of Science)

The concentration in General Chemistry with the American Chemical Society Certification (ACS) is for students seeking careers as chemists or seeking admission to graduate programs in chemistry. This program is designed for the student who intends to become a professional chemist. The requirements for the Bachelor of Science degree in General Chemistry with ACS certification are:

Course	Title	Credits
<b>Chemistry Requirements</b>		
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
CY 231	Organic Chemistry I	4
CY 232	Organic Chemistry II	4
CY 321	Quantitative Analysis	5
CY 362	Biochemistry I	4
CY 341	Physical Chemistry I	4
CY 342	Physical Chemistry II	4
CY 411	Intermediate Inorganic Chemistry	5
CY 421	Instrumental Analysis	5
CY 497	Chemistry Research	1
CY 363 or CY 430	Biochemistry II or Environmental Chemistry	4
<b>Support Courses</b>		
MS 125	Calculus I	4
MS 126	Calculus II	4
PHS 211 & PHS 213	Physics for Scientists and Engineers I and Elementary Physics Laboratory Techniques I	5
PHS 212 & PHS 214	Physics for Scientists and Engineers II and Elementary Laboratory Techniques II	5
Total Hours		66

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
Fine Arts <sup>1</sup>		3
MS 125	Calculus I	4
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
STU 101	First Year Experience	0
Hours		14
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
MS 126	Calculus II	4
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
Hours		14
<b>Sophomore</b>		
<b>Fall</b>		
Literature/History <sup>2</sup>		3
CY 231	Organic Chemistry I	4
PHS 211 & PHS 213	Physics for Scientists and Engineers I and Elementary Physics Laboratory Techniques I	5
Electives 100+		3
Hours		15
<b>Spring</b>		
Literature/History <sup>2</sup>		3
CY 321	Quantitative Analysis	5

CY 232	Organic Chemistry II	4
PHS 212 & PHS 214	Physics for Scientists and Engineers II and Elementary Laboratory Techniques II	5
Hours		17
<b>Junior</b>		
<b>Fall</b>		
CY 341	Physical Chemistry I	4
Social/Behavioral Science		3
Literature/History <sup>2</sup>		3
Electives 100+		6
Hours		16
<b>Spring</b>		
CY 342	Physical Chemistry II	4
Electives 300+		6
General Studies Requirement <sup>3</sup>		3
Social/Behavioral Science		3
Hours		16
<b>Senior</b>		
<b>Fall</b>		
CY 362	Biochemistry I	4
CY 421	Instrumental Analysis	5
Electives 100+		5
Hours		14
<b>Spring</b>		
Electives 100+		4
CY 363 or CY 430	Biochemistry II or Environmental Chemistry	4
CY 411	Intermediate Inorganic Chemistry	5
CY 497	Chemistry Research	1
Hours		14
Total Hours		120

<sup>1</sup> Choose from ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

<sup>2</sup> Either a History or a Literature sequence is required (12 hours in Areas II and IV) with minimum of 3 hours required in both History and Literature.

<sup>3</sup> If student chooses only three hours of literature, then history must be a six-hour sequence, and an additional three hours of approved fine arts or humanities will be necessary. If a student chooses only three hours of history, then literature must be a six-hour sequence, and an additional three hours of approved social/behavioral science will be necessary.

## Chemistry - Pre-Health Professional Chemistry (Bachelor of Science)

The concentration in Pre-Health Professional Chemistry is designed for students with interests in the application of chemistry in other fields, such as pharmacology, medicine, dentistry, veterinary science, forensics, education, patent or environmental law, technical writing, art conservation, sales, marketing or management in a chemical-related industry. The requirements for the Bachelor of Science degree in Pre-Health Professional Chemistry are:

Course	Title	Credits
<b>Chemistry Requirements</b>		
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4

CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
CY 231	Organic Chemistry I	4
CY 232	Organic Chemistry II	4
CY 321	Quantitative Analysis	5
CY 362	Biochemistry I	4
CY 347	Concepts of Physical Chemistry	4
Select 12 hours of Chemistry 300/400 electives from the following:		12
CY 363	Biochemistry II	
CY 411	Intermediate Inorganic Chemistry	
CY 421	Instrumental Analysis	
CY 430	Environmental Chemistry	
CY 435	Advanced Topics in Chemistry	
CY 471	Toxicological Chemistry	
Select up to 3 semester hours of the following:		1
CY 490	Internship	
CY 497	Chemistry Research	
<b>Support Courses</b>		
MS 113	Precalculus Trigonometry	3
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I	4
PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II	4
Total Hours		53

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
EH 141	Oral Communication	3
MS 113	Precalculus Trigonometry	3
CY 105 & CY 107	General Chemistry I and General Chemistry Laboratory I	4
STU 101	First Year Experience	0
Hours		13
<b>Spring</b>		
EH 102	English Composition	3
Social/Behavioral Science <sup>1</sup>		3
CY 106 & CY 108	General Chemistry II and General Chemistry Laboratory II	4
Electives		4
Hours		14
<b>Sophomore</b>		
<b>Fall</b>		
CY 231	Organic Chemistry I	4
Electives		4
PHS 201 & PHS 203	College Physics I and College Physics Laboratory Techniques I	4
History sequence <sup>2</sup>		3
Hours		15
<b>Spring</b>		
CY 232	Organic Chemistry II	4
CY 321	Quantitative Analysis	5

PHS 202 & PHS 204	College Physics II and College Physics Laboratory Techniques II	4
History sequence <sup>2</sup>		3
Hours		16
<b>Junior</b>		
<b>Fall</b>		
Electives		5
EH Literature <sup>3</sup>		3
CY 347	Concepts of Physical Chemistry	4
CY 362	Biochemistry I	4
Hours		16
<b>Spring</b>		
Chemistry Electives 300+		4
EH Literature <sup>3</sup>		3
Fine Arts <sup>4</sup>		3
Electives 300+		6
Hours		16
<b>Senior</b>		
<b>Fall</b>		
Electives 100+		12
Chemistry 300+ Electives		4
Hours		16
<b>Spring</b>		
Electives 300+		8
Chemistry 300+ Electives		3
Social/Behavioral Science <sup>1</sup>		3
Hours		14
Total Hours		120

- 1 Choose from AN 224 Introduction to Anthropology (3), EC 221 Principles of Microeconomics (3), EC 222 Principles of Macroeconomics (3), GY 120 World Regional Geography (3), GY 220 Human Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), PSY 222 Human Development (3), or SY 221 Introduction to Sociology (3).
- 2 Choose either HY 101 Western Civilization I (3) and HY 102 Western Civilization II (3) or HY 201 American History I (3) and HY 202 American History II (3).
- 3 Choose from EH 201 American Literature I (3), EH 202 American Literature II (3), EH 203 Survey of English Literature I (3), EH 204 Survey of English Literature II (3), EH 219 Honors Literature I (3), EH 220 Honors Literature II (3), EH 231 World Literature I (3), or EH 232 World Literature II (3).
- 4 Choose from ART 202 Art Appreciation (3), DR 242 Introduction to the Theatre (3), or MU 233 Introduction to Music (3).

## Geography (Bachelor of Science)

Students should work closely with an advisor in selecting electives appropriate to their goals.

Course	Title	Credits
GY 208	Map Reading	3
GY 220	Human Geography	3
Select one of the following sequences:		8

GY 250 & GY 251 & GY 252 & GY 253	Physical Geography I: Atmospheric Patterns and Processes and Physical Geography II: Landscape Patterns and Processes and Physical Geography Lab I and Physical Geography Lab II	
GL 241 & GL 242 & GL 243 & GL 244	Physical Geology and Historical Geology and Physical Geology Lab and Historical Geology Lab	
GY 307	Geographic Information Systems	3
Geography electives numbered 300 or higher		21
Total Hours		38

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
EH 101	English Composition	3
MS 110	Finite Mathematics (or higher)	3
GY 250 & GY 252	Physical Geography I: Atmospheric Patterns and Processes and Physical Geography Lab I	4
Social/Behavioral Science		3
STU 101	First Year Experience	0
Hours		13
<b>Spring</b>		
EH 102	English Composition	3
EH 141	Oral Communication	3
MS 204	Basic Statistics	3
GY 251 & GY 253	Physical Geography II: Landscape Patterns and Processes and Physical Geography Lab II	4
Hours		13
<b>Sophomore</b>		
<b>Fall</b>		
Literature/History <sup>1</sup>		3
Fine Arts		3
Social/Behavioral Science		3
GY 208	Map Reading	3
Science Elective w/Lab		4
Hours		16
<b>Spring</b>		
Literature/History <sup>1</sup>		3
GY 220	Human Geography	3
CS 201	Introduction to Information Technology (or higher)	3
Electives 100+		3
GY 307	Geographic Information Systems	3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
History or Literature <sup>1</sup>		3
Geography Electives 300+		9
Electives 300+		4
Hours		16
<b>Spring</b>		
General Studies Requirement <sup>3</sup>		3
Geography Electives 300+		6



Electives 300+	7
Hours	16
<b>Senior</b>	
<b>Fall</b>	
Geography 300+ Electives	3
Electives 300+	13
Hours	16
<b>Spring</b>	
Geography 300+ Electives	3
Electives	12
Hours	15
Total Hours	120

<sup>1</sup> Either a History sequence or a Literature sequence is required (12 hours in area II and IV) with a minimum of 3 hours required in both history and literature.

## Chemistry Minor

A minor in Chemistry consists of a minimum of 24 hours of chemistry courses, including:

Course	Title	Credits
CY 105	General Chemistry I	3
CY 106	General Chemistry II	3
CY 107	General Chemistry Laboratory I	1
CY 108	General Chemistry Laboratory II	1
CY 231	Organic Chemistry I	4
CY 232	Organic Chemistry II	4
Select an additional eight hours of 300/400 level Chemistry electives		8
Total Hours		24

## Geography Minor

A minor in Geography requires a minimum of twenty-three (23) semester hours and must include the following courses:

Course	Title	Credits
GY 120	World Regional Geography	3
or GY 220	Human Geography	
Select one of the following sequences:		8
GY 250 & GY 252 & GY 251 & GY 253	Physical Geography I: Atmospheric Patterns and Processes and Physical Geography Lab I and Physical Geography II: Landscape Patterns and Processes and Physical Geography Lab II	
GL 241 & GL 243 & GL 242 & GL 244	Physical Geology and Physical Geology Lab and Historical Geology and Historical Geology Lab	
GY 208	Map Reading	3
Geography 300+ Electives		9
Total Hours		23

## Physics Minor

The minor in Physics requires a minimum of 22 hours, which include:

Course	Title	Credits
PHS 211 & PHS 213	Physics for Scientists and Engineers I and Elementary Physics Laboratory Techniques I	5
PHS 212 & PHS 214	Physics for Scientists and Engineers II and Elementary Laboratory Techniques II	5
PHS 301	Modern Physics	3
Physics 300+ Electives		9
Total Hours		22

## Department of Mathematical, Computing, and Information Sciences

Department Head: **Dr. Vijaya Gompa**

119 Ayers Hall

Computer Science and Computer Information Systems Programs  
Accredited by the Computing Accreditation Commission of ABET, Inc.

Three majors are available:

1. Mathematics with one of two concentrations—Traditional and General
2. Computer Science with one of three concentrations—Information Assurance, Game Development, and General
3. Computer Information Systems with one of three concentrations—Information Assurance, Web Development, and General

To satisfy the general studies curriculum, general courses from the areas listed in the "Plan of Study" for each major and concentration must be completed. All students, especially transfer students, must note the specific courses required in their "Plan of Study." For specific requirements in each major/minor see the department head or an advisor.

- Mathematics - General (Bachelor of Science) (p. 161)
- Mathematics - Traditional (Bachelor of Science) (p. 162)
- Computer Science - Information Assurance (Bachelor of Science) (p. 163)
- Computer Science - Game Development (Bachelor of Science) (p. 164)
- Computer Science - General (Bachelor of Science) (p. 165)
- Computer Information Systems - Information Assurance (Bachelor of Science) (p. 166)
- Computer Information Systems - Web Development (Bachelor of Science) (p. 167)
- Computer Information Systems - General (Bachelor of Science) (p. 168)
- Applied Information Processing Minor (p. 169)
- Computer Science Minor (p. 169)
- Computer Information Systems Minor (p. 169)
- Mathematics Minor (p. 169)

## Distinguished Professor

Case, Janice (p. 180)

## Professor

Dempsey, David W. (p. 181)

Dodd, Jeffrey J. (p. 181)

Gompa, Vijaya (p. 182)

Kim, Jaedeok (p. 185)

Kim, Youngmi (p. 185)

Krishnaprasad, Sri (p. 185)

Leathrum, Thomas E. (p. 185)

Smith, Edwin H. (p. 190)

## Associate Professor

Franklin, Amy P. (p. 182)

Thornton, David C. (p. 191)

Trifas, Monica (p. 191)

## Assistant Professor

Cleveland, Jason (p. 180)

Rahman, Kazi (p. 189)

## Distinguished Lecturer

White, Audria (p. 192)

## Instructor

Alam, Mohammed Gaus (p. 178)

Cochran, Robert (p. 180)

Jensen, Cynthia (p. 184)

McDivitt, Heather (p. 186)

Smith, Daniel E. (p. 190)

Snellen III, Jay (p. 190)

Stanley, Clint (p. 190)

## Mathematics - General (Bachelor of Science)

The Mathematics major consists of prescriptive common courses, prescriptive concentration courses, and elective courses. The General concentration emphasizes coursework designed to give the student sound fundamental skills and to integrate these fundamental skills into a broad knowledge of the content and methods of mathematics as a liberal art (39 hours).

The Mathematics major requires completion of the following common courses with a "C" or better:

Course	Title	Credits
MS 125	Calculus I	4
MS 126	Calculus II	4
MS 227	Calculus III	4
MS 300	Introduction to Advanced Mathematics	3
MS 344	Differential Equations	3

MS 352	Linear Algebra	3
MS 415	Advanced Calculus I	3
MS 441	Abstract Algebra I	3

The General concentration requires completion of the following concentration courses with a "C" or better:

Course	Title	Credits
MS 302	Applied Probability and Statistics	3
MS 309	Combinatorics	3
MS 323	College Geometry	3
MS 475	Seminar in Mathematics	3

In addition to the common, concentration, and elective courses, this concentration requires the following support courses:

Course	Title	Credits
PHS 211 & PHS 213	Physics for Scientists and Engineers I and Elementary Physics Laboratory Techniques I	5
Select one of the following:		3
CS 230	Fundamentals of Computing (or higher programming course)	
CS 231	Computer Programming I (or higher programming course)	

A minor is not required for students majoring in Mathematics.

*Note:* This plan of study reflects the mathematics program beginning with MS 125 Calculus I (4). Freshman Mathematics majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
MS 125	Calculus I	4
EH 101	English Composition	3
History		3
STU 101	First Year Experience	0
Select one of the following:		3
CS 230	Fundamentals of Computing (or higher programming course)	
CS 231	Computer Programming I (or higher programming course)	
Hours		13
<b>Spring</b>		
MS 126	Calculus II	4
EH 102	English Composition	3
History/Social/Behavioral Science <sup>1</sup>		3
Social/Behavioral Science		3
Fine Arts		3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
MS 227	Calculus III	4
EH 141	Oral Communication	3

PHS 211 & PHS 213	Physics for Scientists and Engineers I and Elementary Physics Laboratory Techniques I	5
Literature		3
Hours		15
<b>Spring</b>		
MS 300	Introduction to Advanced Mathematics	3
MS 352	Linear Algebra	3
Social/Behavioral Science		3
Humanities & Fine Arts <sup>1</sup>		3
Natural Science		4
Hours		16
<b>Junior</b>		
<b>Fall</b>		
MS 309	Combinatorics	3
MS 344	Differential Equations	3
General Electives		9
Hours		15
<b>Spring</b>		
MS 323	College Geometry	3
MS 441	Abstract Algebra I	3
General Electives		9
Hours		15
<b>Senior</b>		
<b>Fall</b>		
MS 302	Applied Probability and Statistics	3
MS 415	Advanced Calculus I	3
General Electives		9
Hours		15
<b>Spring</b>		
MS 475	Seminar in Mathematics	3
General Electives		12
Hours		15
Total Hours		120

<sup>1</sup> Either a history sequence or a literature sequence is required.

## Mathematics - Traditional (Bachelor of Science)

The Traditional concentration emphasizes coursework to prepare the student for graduate work in mathematics and a career in mathematics (39 hours).

The Mathematics major requires completion of the following common courses with a "C" or better:

Course	Title	Credits
MS 125	Calculus I	4
MS 126	Calculus II	4
MS 227	Calculus III	4
MS 300	Introduction to Advanced Mathematics	3
MS 344	Differential Equations	3
MS 352	Linear Algebra	3
MS 415	Advanced Calculus I	3
MS 441	Abstract Algebra I	3

This concentration requires four elective courses selected from the departmental list of approved mathematics electives:

- At least two MS courses numbered 300 or higher<sup>1</sup>
- at least two MS courses numbered 400 or higher

<sup>1</sup> Excludes MS 322 Selected Survey of Secondary School Mathematics (3), MS 331 Peer Educator (1), and MS 332 Peer Educator (2).

In addition to the common and elective courses, this concentration requires the following support courses:

Course	Title	Credits
PHS 211 & PHS 213	Physics for Scientists and Engineers I and Elementary Physics Laboratory Techniques I	5
Select one of the following:		3
CS 230	Fundamentals of Computing (or higher programming course)	
CS 231	Computer Programming I (or higher programming course)	

A minor is not required for students majoring in Mathematics.

*Note:* This schedule reflects the mathematics program beginning with MS 125 Calculus I (4). Freshman Mathematics majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
MS 125	Calculus I	4
EH 101	English Composition	3
History		3
STU 101	First Year Experience	0
Select one of the following:		3
CS 230	Fundamentals of Computing (or higher programming course)	
CS 231	Computer Programming I (or higher programming course)	
Hours		13
<b>Spring</b>		
MS 126	Calculus II	4
EH 102	English Composition	3
History/Social/Behavioral Science <sup>1</sup>		3
Social/Behavioral Science		3
Fine Arts		3
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
MS 227	Calculus III	4
EH 141	Oral Communication	3
PHS 211 & PHS 213	Physics for Scientists and Engineers I and Elementary Physics Laboratory Techniques I	5
Literature		3
Hours		15
<b>Spring</b>		
MS 300	Introduction to Advanced Mathematics	3
MS 352	Linear Algebra	3
Social/Behavioral Science		3
Humanities & Fine Arts <sup>1</sup>		3

Natural Science	4
Hours	16
<b>Junior</b>	
<b>Fall</b>	
MS 344 Differential Equations	3
Mathematics 300+ Electives	3
General Electives	9
Hours	15
<b>Spring</b>	
MS 415 Advanced Calculus I	3
Mathematics 300+ Electives	3
General Electives	9
Hours	15
<b>Senior</b>	
<b>Fall</b>	
MS 441 Abstract Algebra I	3
Mathematics 400+ Electives	3
General Electives	9
Hours	15
<b>Spring</b>	
Mathematics 400+ Electives	3
General Electives	12
Hours	15
Total Hours	120

<sup>1</sup> Either a history sequence or a literature sequence is required.

## Computer Science - Information Assurance (Bachelor of Science)

The Computer Science major emphasizes the development of large software systems. It consists of prescriptive courses and elective courses.

Course	Title	Credits
<b>Prescriptive Courses</b>		
CS 230	Fundamentals of Computing	3
CS 231	Computer Programming I	3
CS 232	Computer Programming II	3
CS 234	Discrete Computational Structures	3
CS 304	Technical Writing for Computer Science	3
CS 310	Software Engineering I	3
CS 331	Data Structures and Algorithms	3
CS 333	Computer Organization and Architecture	3
CS 350	Fundamentals of Computer Operating Systems	3
CS 450	Computer Networking	3
CS 462	Ethics and Legal Issues	3
CS 488	Database Systems	3
CS 491	Software Engineering II	3
<b>Information Assurance</b>		
CS 307	Management of Information Security and Forensics	3
CS 308	Embedded and Control Systems Security	3
CS 470	Computer Security	3
Select one of the following:		3
CS 412	Disaster Response & Recovery	

CS 425	Web Application Development Using Web Services
CS 461	Critical Infrastructure

Courses in the major may not be taken until all prerequisites are completed with a grade of "C" or better.

In addition to the major courses, support courses required are:

Course	Title	Credits
MS 125	Calculus I	4
MS 126	Calculus II	4
MS 302	Applied Probability and Statistics	3
MS 352	Linear Algebra	3

*Note:* This schedule reflects the computer science program beginning with MS 125 Calculus I (4). Freshman computer science majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
CS 201	Introduction to Information Technology	3
CS 230	Fundamentals of Computing	3
EH 101	English Composition	3
Natural Science sequence		4
STU 101	First Year Experience	0
Hours		13
<b>Spring</b>		
CS 231	Computer Programming I	3
CS 234	Discrete Computational Structures	3
EH 102	English Composition	3
EH 141	Oral Communication	3
Natural Science sequence		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science	3
MS 125	Calculus I	4
History		3
Fine Arts		3
Hours		16
<b>Spring</b>		
CS 331	Data Structures and Algorithms	3
CS 333	Computer Organization and Architecture	3
MS 126	Calculus II	4
History/Social/Behavioral Science <sup>1</sup>		3
CS 310	Software Engineering I	3
Hours		16
<b>Junior</b>		
<b>Fall</b>		
CS 488	Database Systems	3
MS 302	Applied Probability and Statistics	3
Computer Science Electives <sup>2</sup>		3
EH Literature		3

Social/Behavioral Science		3
Hours		15
<b>Spring</b>		
CS 350	Fundamentals of Computer Operating Systems	3
CS 491	Software Engineering II	3
MS 352	Linear Algebra	3
Humanities & Fine Arts <sup>1</sup>		3
Social/Behavioral Science		3
Hours		15
<b>Senior</b>		
<b>Fall</b>		
CS 450	Computer Networking	3
Computer Science Electives <sup>2</sup>		3
Electives		8
Hours		14
<b>Spring</b>		
CS 462	Ethics and Legal Issues	3
Computer Science Electives <sup>2</sup>		3
Computer Science Electives <sup>2</sup>		3
Electives		6
Hours		15
Total Hours		120

<sup>1</sup> Either a history sequence or a literature sequence is required.

<sup>2</sup> Refer to specific elective requirements for each concentration.

## Computer Science - Game Development (Bachelor of Science)

The Computer Science major emphasizes the development of large software systems. It consists of prescriptive courses and elective courses.

Course	Title	Credits
<b>Prescriptive Courses</b>		
CS 230	Fundamentals of Computing	3
CS 231	Computer Programming I	3
CS 232	Computer Programming II	3
CS 234	Discrete Computational Structures	3
CS 304	Technical Writing for Computer Science	3
CS 310	Software Engineering I	3
CS 331	Data Structures and Algorithms	3
CS 333	Computer Organization and Architecture	3
CS 350	Fundamentals of Computer Operating Systems	3
CS 450	Computer Networking	3
CS 462	Ethics and Legal Issues	3
CS 488	Database Systems	3
CS 491	Software Engineering II	3
<b>Game Development</b>		
CS 339	Game Design I	3
CS 439	Game Design II	3
Select two of the following:		6
CS 430	Human-Computer Interaction	
CS 432	Computer Graphics	
CS 444	Artificial Intelligence	

Courses in the major may not be taken until all prerequisites are completed with a grade of "C" or better.

In addition to the major courses, support courses required are:

Course	Title	Credits
MS 125	Calculus I	4
MS 126	Calculus II	4
MS 302	Applied Probability and Statistics	3
MS 352	Linear Algebra	3

*Note:* This schedule reflects the computer science program beginning with MS 125 Calculus I (4). Freshman computer science majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
CS 201	Introduction to Information Technology	3
CS 230	Fundamentals of Computing	3
EH 101	English Composition	3
Natural Science sequence		4
STU 101	First Year Experience	0
Hours		13
<b>Spring</b>		
CS 231	Computer Programming I	3
CS 234	Discrete Computational Structures	3
EH 102	English Composition	3
EH 141	Oral Communication	3
Natural Science sequence		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science	3
MS 125	Calculus I	4
History		3
Fine Arts		3
Hours		16
<b>Spring</b>		
CS 331	Data Structures and Algorithms	3
CS 333	Computer Organization and Architecture	3
MS 126	Calculus II	4
History/Social/Behavioral Science <sup>1</sup>		3
CS 310	Software Engineering I	3
Hours		16
<b>Junior</b>		
<b>Fall</b>		
CS 488	Database Systems	3
MS 302	Applied Probability and Statistics	3
Computer Science Electives <sup>2</sup>		3
EH Literature		3
Social/Behavioral Science		3
Hours		15

Spring		
CS 350	Fundamentals of Computer Operating Systems	3
CS 491	Software Engineering II	3
MS 352	Linear Algebra	3
Humanities & Fine Arts <sup>1</sup>		3
Social/Behavioral Science		3
Hours		15
Senior		
Fall		
CS 450	Computer Networking	3
Computer Science Electives <sup>2</sup>		3
Electives		8
Hours		14
Spring		
CS 462	Ethics and Legal Issues	3
Computer Science Electives <sup>2</sup>		3
Computer Science Electives <sup>2</sup>		3
Electives		6
Hours		15
Total Hours		120

- <sup>1</sup> Either a history sequence or a literature sequence is required.
- <sup>2</sup> Game Development Courses: CS 339 Game Design I (3), CS 439 Game Design II (3), and two of the following: CS 430 Human-Computer Interaction (3), CS 432 Computer Graphics (3), or CS 444 Artificial Intelligence (3)

## Computer Science - General (Bachelor of Science)

The Computer Science major emphasizes the development of large software systems. It consists of prescriptive courses and elective courses.

Course	Title	Credits
Prescriptive Courses		
CS 230	Fundamentals of Computing	3
CS 231	Computer Programming I	3
CS 232	Computer Programming II	3
CS 234	Discrete Computational Structures	3
CS 304	Technical Writing for Computer Science	3
CS 310	Software Engineering I	3
CS 331	Data Structures and Algorithms	3
CS 333	Computer Organization and Architecture	3
CS 350	Fundamentals of Computer Operating Systems	3
CS 450	Computer Networking	3
CS 462	Ethics and Legal Issues	3
CS 488	Database Systems	3
CS 491	Software Engineering II	3
General		
Computer Science Approved 300+ courses		6
Computer Science Approved 400+ Electives		6

Courses in the major may not be taken until all prerequisites are completed with a grade of "C" or better.

In addition to the major courses, support courses required are:

Course	Title	Credits
MS 125	Calculus I	4
MS 126	Calculus II	4
MS 302	Applied Probability and Statistics	3
MS 352	Linear Algebra	3

*Note:* This schedule reflects the computer science program beginning with MS 125 Calculus I (4). Freshman computer science majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
Freshman		
Fall		
CS 201	Introduction to Information Technology	3
CS 230	Fundamentals of Computing	3
EH 101	English Composition	3
Natural Science sequence		4
STU 101	First Year Experience	0
Hours		13
Spring		
CS 231	Computer Programming I	3
CS 234	Discrete Computational Structures	3
EH 102	English Composition	3
EH 141	Oral Communication	3
Natural Science sequence		4
Hours		16
Sophomore		
Fall		
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science	3
MS 125	Calculus I	4
History		3
Fine Arts		3
Hours		16
Spring		
CS 331	Data Structures and Algorithms	3
CS 333	Computer Organization and Architecture	3
MS 126	Calculus II	4
History/Social/Behavioral Science <sup>1</sup>		3
CS 310	Software Engineering I	3
Hours		16
Junior		
Fall		
CS 488	Database Systems	3
MS 302	Applied Probability and Statistics	3
Computer Science Electives <sup>2</sup>		3
EH Literature		3
Social/Behavioral Science		3
Hours		15
Spring		
CS 350	Fundamentals of Computer Operating Systems	3
CS 491	Software Engineering II	3
MS 352	Linear Algebra	3
Humanities & Fine Arts <sup>1</sup>		3

Social/Behavioral Science		3
Hours		15
<b>Senior</b>		
<b>Fall</b>		
CS 450	Computer Networking	3
Computer Science Electives <sup>2</sup>		3
Electives		8
Hours		14
<b>Spring</b>		
CS 462	Ethics and Legal Issues	3
Computer Science Electives <sup>2</sup>		3
Computer Science Electives <sup>2</sup>		3
Electives		6
Hours		15
Total Hours		120

<sup>1</sup> Either a history sequence or a literature sequence is required.  
<sup>2</sup> Computer Science Electives should have two courses numbered 300+ and two courses numbered 400+.

## Computer Information Systems - Information Assurance (Bachelor of Science)

The Computer Information Systems major emphasizes the development and maintenance of business software systems. It consists of prescriptive courses and elective courses.

Course	Title	Credits
<b>Prescriptive Courses <sup>1</sup></b>		
CS 230	Fundamentals of Computing	3
CS 231	Computer Programming I	3
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science	3
CS 309	Introduction to E-Commerce	3
CS 310	Software Engineering I	3
CS 311	Management Information Systems	3
CS 333	Computer Organization and Architecture	3
CS 350	Fundamentals of Computer Operating Systems	3
CS 370	COBOL for Information Systems	3
CS 450	Computer Networking	3
CS 462	Ethics and Legal Issues	3
CS 488	Database Systems	3
CS 491	Software Engineering II	3
<b>Information Assurance</b>		
CS 307	Management of Information Security and Forensics	3
CS 308	Embedded and Control Systems Security	3
CS 470	Computer Security	3
Select one of the following:		3
CS 412	Disaster Response & Recovery	
CS 425	Web Application Development Using Web Services	
CS 461	Critical Infrastructure	

Courses in the major may not be taken until all prerequisites are completed with a grade of "C" or better.

In addition to the major courses, support courses required are:

Course	Title	Credits
ACC 200	Principles of Accounting I	3
EC 221	Principles of Microeconomics	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
MS 120 or MS 125	Calculus and Its Applications Calculus I	3-4
MS 302	Applied Probability and Statistics	3

Note: This plan of study reflects the computer information systems program beginning with MS 120 Calculus and Its Applications (3) or MS 125 Calculus I (4). Freshman computer science majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.**

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
CS 201	Introduction to Information Technology	3
CS 230	Fundamentals of Computing	3
EH 101	English Composition	3
Natural Science sequence		4
STU 101	First Year Experience	0
Hours		13
<b>Spring</b>		
CS 231	Computer Programming I	3
CS 309	Introduction to E-Commerce	3
EH 102	English Composition	3
EH 141	Oral Communication	3
Natural Science sequence		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science	3
MS 120 or MS 125	Calculus and Its Applications or Calculus I	4
ACC 200	Principles of Accounting I	3
History		3
Hours		16
<b>Spring</b>		
CS 311	Management Information Systems	3
Fine Arts		3
EC 221	Principles of Microeconomics	3
History/Social/Behavioral Science <sup>1</sup>		3
CS 310	Software Engineering I	3
Hours		15

Junior		
<b>Fall</b>		
CS 370	COBOL for Information Systems	3
CS 488	Database Systems	3
Computer Science Electives <sup>2</sup>		3
EH Literature		3
Electives		3
Hours		15
<b>Spring</b>		
CS 350	Fundamentals of Computer Operating Systems	3
CS 491	Software Engineering II	3
MGT 301	Principles of Management	3
Humanities & Fine Arts <sup>1</sup>		3
Computer Science Electives <sup>2</sup>		3
Hours		15
<b>Senior</b>		
<b>Fall</b>		
CS 450	Computer Networking	3
CS 333	Computer Organization and Architecture	3
MS 302	Applied Probability and Statistics	3
MKT 301	Principles of Marketing	3
Electives		3
Hours		15
<b>Spring</b>		
CS 462	Ethics and Legal Issues	3
Computer Science Electives <sup>2</sup>		3
FIN 301	Business Finance	3
PSY 201	Principles of Psychology	3
Computer Science Electives <sup>2</sup>		3
Hours		15
Total Hours		120

<sup>1</sup> Either a history sequence or a literature sequence is required.

<sup>2</sup> Information Assurance Electives: CS 307 Management of Information Security and Forensics (3), CS 308 Embedded and Control Systems Security (3), CS 470 Computer Security (3), or select one of the following: CS 412 Disaster Response & Recovery (3), CS 425 Web Application Development Using Web Services (3), or CS 461 Critical Infrastructure (3)

## Computer Information Systems - Web Development (Bachelor of Science)

The Computer Information Systems major emphasizes the development and maintenance of business software systems. It consists of prescriptive courses and elective courses.

Course	Title	Credits
<b>Prescriptive Courses</b>		
CS 230	Fundamentals of Computing	3
CS 231	Computer Programming I	3
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science	3
CS 309	Introduction to E-Commerce	3
CS 310	Software Engineering I	3
CS 311	Management Information Systems	3
CS 333	Computer Organization and Architecture	3
CS 350	Fundamentals of Computer Operating Systems	3
CS 370	COBOL for Information Systems	3

CS 450	Computer Networking	3
CS 462	Ethics and Legal Issues	3
CS 488	Database Systems	3
CS 491	Software Engineering II	3
<b>Web Development</b>		
CS 315	Intro to Web Design	3
CS 325	Web Scripting	3
CS 425	Web Application Development Using Web Services	3
CS 415	Dynamic Web Application	3

Courses in the major may not be taken until all prerequisites are completed with a grade of "C" or better.

In addition to the major courses, support courses required are:

Course	Title	Credits
ACC 200	Principles of Accounting I	3
EC 221	Principles of Microeconomics	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
MS 120	Calculus and Its Applications	3-4
or MS 125	Calculus I	
MS 302	Applied Probability and Statistics	3

*Note:* This schedule reflects the computer information systems program beginning with MS 120 Calculus and Its Applications (3) or MS 125 Calculus I (4). Freshman computer science majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
CS 201	Introduction to Information Technology	3
CS 230	Fundamentals of Computing	3
EH 101	English Composition	3
Natural Science sequence		4
STU 101	First Year Experience	0
Hours		13
<b>Spring</b>		
CS 231	Computer Programming I	3
CS 309	Introduction to E-Commerce	3
EH 102	English Composition	3
EH 141	Oral Communication	3
Natural Science sequence		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science	3
MS 120	Calculus and Its Applications	4
or MS 125	or Calculus I	
ACC 200	Principles of Accounting I	3



History		3
Hours		16
<b>Spring</b>		
CS 311	Management Information Systems	3
Fine Arts		
EC 221	Principles of Microeconomics	3
History/Social/Behavioral Science <sup>1</sup>		
CS 310	Software Engineering I	3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
CS 370	COBOL for Information Systems	3
CS 488	Database Systems	3
Computer Science Electives <sup>2</sup>		
EH Literature		
Electives		
Hours		15
<b>Spring</b>		
CS 350	Fundamentals of Computer Operating Systems	3
CS 491	Software Engineering II	3
MGT 301	Principles of Management	3
Humanities & Fine Arts <sup>1</sup>		
Computer Science Electives <sup>2</sup>		
Hours		15
<b>Senior</b>		
<b>Fall</b>		
CS 450	Computer Networking	3
CS 333	Computer Organization and Architecture	3
MS 302	Applied Probability and Statistics	3
MKT 301	Principles of Marketing	3
Electives		
Hours		15
<b>Spring</b>		
CS 462	Ethics and Legal Issues	3
Computer Science Electives <sup>2</sup>		
FIN 301	Business Finance	3
PSY 201	Principles of Psychology	3
Computer Science Electives <sup>2</sup>		
Hours		15
Total Hours		120

<sup>1</sup> Either a history sequence or a literature sequence is required.  
<sup>2</sup> Web Development Courses: CS 315 Intro to Web Design (3), CS 325 Web Scripting (3), CS 415 Dynamic Web Application (3), and CS 425 Web Application Development Using Web Services (3)

## Computer Information Systems - General (Bachelor of Science)

The Computer Information Systems major emphasizes the development and maintenance of business software systems. It consists of prescriptive courses and elective courses.

Course	Title	Credits
<b>Prescriptive Courses</b>		
CS 230	Fundamentals of Computing	3
CS 231	Computer Programming I	3
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science	3
CS 309	Introduction to E-Commerce	3

CS 310	Software Engineering I	3
CS 311	Management Information Systems	3
CS 333	Computer Organization and Architecture	3
CS 350	Fundamentals of Computer Operating Systems	3
CS 370	COBOL for Information Systems	3
CS 450	Computer Networking	3
CS 462	Ethics and Legal Issues	3
CS 488	Database Systems	3
CS 491	Software Engineering II	3
<b>General</b>		
Computer Science 300+ elective courses		6
Computer Science 400+ elective courses		6

Courses in the major may not be taken until all prerequisites are completed with a grade of "C" or better.

In addition to the major courses, support courses required are:

Course	Title	Credits
ACC 200	Principles of Accounting I	3
EC 221	Principles of Microeconomics	3
FIN 301	Business Finance	3
MGT 301	Principles of Management	3
MKT 301	Principles of Marketing	3
MS 120	Calculus and Its Applications	3-4
or MS 125	Calculus I	
MS 302	Applied Probability and Statistics	3

*Note:* This schedule reflects the computer information systems program beginning with MS 120 Calculus and Its Applications (3) or MS 125 Calculus I (4). Freshman computer science majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or precalculus courses that provide this preparation. See advisor.

*In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. More information about general education requirements can be found in the Summary of Degrees/Requirements (p. 43) section of the catalog.*

Course	Title	Hours
<b>Freshman</b>		
<b>Fall</b>		
CS 201	Introduction to Information Technology	3
CS 230	Fundamentals of Computing	3
EH 101	English Composition	3
Natural Science sequence		4
STU 101	First Year Experience	0
Hours		13
<b>Spring</b>		
CS 231	Computer Programming I	3
CS 309	Introduction to E-Commerce	3
EH 102	English Composition	3
EH 141	Oral Communication	3
Natural Science sequence		4
Hours		16
<b>Sophomore</b>		
<b>Fall</b>		
CS 232	Computer Programming II	3
CS 304	Technical Writing for Computer Science	3

MS 120 or MS 125	Calculus and Its Applications or Calculus I	4
ACC 200	Principles of Accounting I	3
History		3
Hours		16
<b>Spring</b>		
CS 311	Management Information Systems	3
Fine Arts		3
EC 221	Principles of Microeconomics	3
History/Social/Behavioral Science <sup>1</sup>		3
CS 310	Software Engineering I	3
Hours		15
<b>Junior</b>		
<b>Fall</b>		
CS 370	COBOL for Information Systems	3
CS 488	Database Systems	3
Computer Science Electives <sup>2</sup>		3
EH Literature		3
Electives		3
Hours		15
<b>Spring</b>		
CS 350	Fundamentals of Computer Operating Systems	3
CS 491	Software Engineering II	3
MGT 301	Principles of Management	3
Humanities & Fine Arts <sup>1</sup>		3
Computer Science Electives <sup>2</sup>		3
Hours		15
<b>Senior</b>		
<b>Fall</b>		
CS 450	Computer Networking	3
CS 333	Computer Organization and Architecture	3
MS 302	Applied Probability and Statistics	3
MKT 301	Principles of Marketing	3
Electives		3
Hours		15
<b>Spring</b>		
CS 462	Ethics and Legal Issues	3
Computer Science Electives <sup>2</sup>		3
FIN 301	Business Finance	3
PSY 201	Principles of Psychology	3
Computer Science Electives <sup>2</sup>		3
Hours		15
Total Hours		120

<sup>1</sup> Either a history sequence or a literature sequence is required.

<sup>2</sup> Computer Science Electives should have two courses numbered 300+ and two courses numbered 400+.

## Applied Information Processing Minor

The Applied Information Processing minor requires 21 hours consisting of:

Course	Title	Credits
CS 230	Fundamentals of Computing	3
Select six Computer Science courses from the following:		18
CS 231	Computer Programming I	
CS 232	Computer Programming II	
CS 300	Microcomputing	

CS 302	Database Applications	
CS 305	Spreadsheet Modeling	
CS 307	Management of Information Security and Forensics	
CS 309	Introduction to E-Commerce	
CS 310	Software Engineering I	
CS 315	Intro to Web Design	
CS 322	Document Management	
CS 339	Game Design I	
Total Hours		21

Courses in this minor may not be taken until all prerequisites are completed with a grade of "C" or better.

## Computer Science Minor

The Computer Science minor requires 21 hours consisting of:

Course	Title	Credits
CS 230	Fundamentals of Computing	3
CS 231	Computer Programming I	3
CS 232	Computer Programming II	3
CS 310	Software Engineering I	3
CS 333	Computer Organization and Architecture	3
CS 350	Fundamentals of Computer Operating Systems	3
CS 488	Database Systems	3
Total Hours		21

Courses in this minor must be completed with a "C" or better. Also, courses in this minor may not be taken until all prerequisites are completed with a grade of "C" or better.

## Computer Information Systems Minor

The Computer Information Systems minor requires 21 hours consisting of:

Course	Title	Credits
CS 230	Fundamentals of Computing	3
CS 231	Computer Programming I	3
CS 232	Computer Programming II	3
CS 310	Software Engineering I	3
CS 311	Management Information Systems	3
CS 370	COBOL for Information Systems	3
CS 488	Database Systems	3
Total Hours		21

Courses in this minor may not be taken until all prerequisites are completed with a grade of "C" or better.

## Mathematics Minor

The Mathematics minor requires a minimum of 21 hours and consists of:

Course	Title	Credits
MS 125	Calculus I	4
MS 126	Calculus II	4
MS 227	Calculus III	4

Three Mathematics courses 300+ <sup>1</sup>	9
Total Hours	21

<sup>1</sup> Excluding MS 322 Selected Survey of Secondary School Mathematics (3), MS 331 Peer Educator (1) and MS 332 Peer Educator (2).

Courses in this minor may not be taken until all prerequisites are completed with a grade of "C" or better.

# DIVISION OF STUDENT AFFAIRS

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**Vice President for Student Affairs: Dr. Timothy B. King**

**102 Bibb Graves Hall**

The Division of Student Affairs offers elective courses aimed at leadership and career development. Students have an opportunity to apply for participation in the GO! Leaders Program for leadership development. All students are eligible to take career development courses.

# COOPERATIVE EDUCATION PROGRAM

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**Director:** Ms. Rebecca E. Turner

**107 Kenamer Hall**

Cooperative education is a structured educational strategy integrating classroom studies with learning through productive paid work experiences in a field related to the student's academic or career goals. It provides progressive experiences in integrating theory and practice. Co-Op brings together the university, the business and professional community, and students in a collaborative effort with specified responsibilities for each party. Academic credit is not awarded for participation in the cooperative education program, unless coordinated and approved by the academic department. A pass/fail notation is entered on the transcript upon completion of the semester's work experience.

In order to qualify for cooperative education, a student must meet the following qualifications:

1. The student must satisfactorily complete a minimum of 24 semester hours prior to entering the program. Employers may suggest a lower minimum hour requirement.
2. The student must meet and maintain a 2.50 (4.00 scale) grade point average. Employers may establish higher GPA requirements.
3. The student must have the recommendation of 2 professors.
4. The student must have a completed application (<http://www.jsu.edu/careerservices/coop-internships/application.html>) in the Career Services Office.

To be considered for a co-op position, a student must apply for the position and follow through on the required selection process, typically to include an interview. Upon approval of the cooperative education coordinator and the employer, the student will register for the following alternating or parallel cooperative education courses. All co-op positions may be found online in JLink (<https://jsu-csm.symplicity.com/>).

To speak with someone about the cooperative education program, contact the Career Services Office (<http://jsu.edu/careerservices/coop-internships/>) at 256-782-5482.

# HONORS PROGRAM

**Director:** Dr. Lori Owens

**Coordinator:** Ms. Janet Whitmore

**107 Martin Hall**

In keeping with the university's mission of serving the academic needs of a diverse student population, the Honors Program provides academically gifted students with the opportunity to develop fully their intellectual potential. The Honors Program provides an enriched educational experience by fostering a strong grounding in the liberal arts and sciences, small classes, interaction with other outstanding and motivated students, instruction from some of JSU's most innovative and engaging faculty, special activities, and special recognition for students successfully completing 24 hours or more of Honors courses. Students who are recipients of the JSU Honors Scholarship have additional requirements for the Honors Program. For more information about the requirements, please contact the Honors Office. Incoming students are invited to apply for admission to the program based on a 25 composite ACT score or SAT equivalent and a high school GPA of a B or higher. Since test scores may not always provide a complete picture of ability, students may also apply to the Honors Program following the completion of their first semester at JSU if they earned a GPA of 3.50 or higher. May 1 is the priority deadline for entering freshmen applying to the Honors Program, but the Honors Program accepts applications throughout the year. The application and guidelines are available at <http://www.jsu.edu/honors-program> (<http://www.jsu.edu/honors-program/>) or by calling (256) 782-5696.

JSU offers Honors courses which fulfill many 100-level and 200-level course requirements, as well as "Honors by Contract" opportunities for 300-level and higher numbered courses in most majors. Students must be members of the Honors Program in order to enroll in Honors courses.

University Honors (UH) Participation courses, UH 101 Honors Lecture (1), UH 201 Forum (1), and UH 202 Book Club (1), are designed for freshmen and sophomores in the Honors Program and offer a true Honors experience featuring smaller classes and engaging dialogue regardless of major. These participation courses count as part of the required 24 hours of Honors credit. Entering freshmen who have earned 31 or more credit hours may apply for a waiver of two of the three required UH Participation courses.

Students may select from a variety of general education courses to meet the required Honors credit or enroll in Honors by Contract courses in their major and minor to fulfill Honors credit. Students with Advanced Placement and/or Dual Enrollment credit may find the Honors by Contract option very advantageous in completing the required Honors credit. Students are encouraged to gravitate toward their strengths in selecting Honors courses. The Honors Program will work individually with students to develop a pathway to earn the required Honors credit.

Course	Title	Credits
ART 203	Honors Art Appreciation	3
BY 105	Honors Introductory Biology I	3
BY 106	Honors Introductory Biology II	3
BY 107	Honors Introductory Biology Lab I	1
BY 108	Honors Intro Biology Lab II	1
CS 202	Honors Introduction to Information Technology	3

DR 252	Honors Introduction to the Theatre	3
EC 225	Honors Principles of Microeconomics	3
EC 226	Honors Principles of Macroeconomics	3
EH 103	Honors English Composition I	3
EH 104	Honors English Composition II	3
EH 219	Honors Literature I	3
EH 220	Honors Literature II	3
HY 103	Honors Western Civilization I	3
HY 104	Honors Western Civilization II	3
HY 203	Honors American History I	3
HY 204	Honors American History II	3
MU 236	Honors Introduction to Music	3
PSY 202	Honors Principles of Psychology	3
PSY 498	Honors Thesis I	3
PSY 499	Honors Thesis II	3
SY 222	Honors Introduction to Sociology	3
UH 101	Honors Lecture	1
UH 201	Forum	1
UH 202	Book Club	1
UH 399	Honors Study/Travel	1-3

For further information, contact the Director of the Honors Program, Martin Hall 104 and 107, [honors@jsu.edu](mailto:honors@jsu.edu), or <http://www.jsu.edu/honors-program> (<http://www.jsu.edu/honors-program/>)



# FACULTY & ADMINISTRATION

- Administration (p. 175)
- Emeriti Faculty and Administration (p. 175)
- Faculty (p. 178)

## Administration

### Jacksonville State University Administrative Structure

Trustee Name	District	Term
The Honorable Kay Ivey	Governor of Alabama	President Ex Officio
Senator Vivian Davis Figures (Vice Chair)	First	2012-2023
Ms. Gale Saxon Main	Second	2012-2023
Mr. Greg Brown	Third	2016-2021
Mr. Anthony Smoke	Third	2019-2022
Mr. Clarence W. Daugette III	Fourth	2012-2023
Mr. Randall Jones (Chair)	Fifth	2008-2021
Mr. Rusty Fuller	Sixth	2016-2019
Mr. Randy Owen	In-State At-Large	2000-2024
Mr. Tony Ingram	Out-of-State At Large	2015-2021

## President

John M. Beehler, Ph.D., CPA

## President's Cabinet

Dr. Christie Shelton, *Provost and Vice President for Academic Affairs*

Mr. James Brigham, *Vice President for Finance and Administration/CFO*

Dr. Charles Lewis, *Vice President for University Advancement*

Dr. Tim King, *Vice President for Student Affairs*

Mr. Greg Seitz, *Athletic Director*

Dr. Don Killingsworth, *Chief External Affairs Officer*

Mr. Samuel H. Monk II, *Legal Counsel*

Dr. Heidi Louisy, *Chief Human Resources & Diversity Officer*

## University Executive Council

Dr. John M. Beehler, *President*

Dr. Christie Shelton, *Provost and Vice President for Academic Affairs*

Mr. James Brigham, *Vice President for Finance and Administration/CFO*

Dr. Charles Lewis, *Vice President for University Advancement*

Dr. Tim King, *Vice President for Student Affairs*

Dr. Emily Messer, *Associate Vice President for Enrollment Management*

Mr. Vinson Houston, *Chief Information Officer*

Mr. Nelson Clark, *Auditor*

Dr. Heidi Louisy, *Chief Human Resources and Diversity Officer*

Dr. Don Killingsworth, *Chief External Affairs Officer*

Mr. Tim Garner, *Chief Marketing Officer*

Mr. Greg Seitz, *Athletic Director*

Mr. Samuel H. Monk II, *Legal Counsel*

Dr. Joe Walsh, *Vice Provost*

Dr. Staci Stone, *Dean, School of Arts and Humanities*

Dr. Bill Fielding, *Dean, School of Business and Industry*

Dr. Tommy Turner, *Dean, School of Education*

TBA, *Dean, School of Health Professions and Wellness*

Dr. Maureen Newton, *Dean, School of Human Services and Social Sciences*

Dr. Tim Lindblom, *Dean, School of Science*

Mr. John-Bauer Graham, *Dean, Houston Cole Library*

Ms. Kim Presson, *Director, Institutional Research and Effectiveness*

Dr. Michael Boynton, *Faculty Senate President*

Mr. Ulises Herrera, *SGA President*

## Emeriti Faculty and Administration

Abercrombie, Jerald, B.S., M.S., Ph.D., *Professor Emeritus*

Adams, Kenneth, A.B., Ph.D., *Professor Emeritus*

Akers, Ron T., B.S., M.A., Ed.D., *Professor Emeritus*

Allen, James B., Jr., B.S., M.S., M.Ed., Ph.D., *Associate Professor Emeritus*

Anderson, Carl H.C., B.M., M.M., *Professor Emeritus*

Armstrong, Richard, B.A., M.M., Ph.D., *Professor Emeritus*

Armstrong, Stephen, B.A., M.Ed., Ph.D., *Professor Emeritus*

Aveni, Adrian, A.B., M.S., Ph.D., *Professor Emeritus*

Barker, Allyson, B.S., M.B.A., *Vice President Emerita*

Barry, Hubert G., B.S., M.A., *Assistant Professor Emeritus*

Baucom, Thomas, B.A., M.A., Ph.D., *Professor Emeritus*

Bell, M. Richard, B.S., M.S., *Instructor Emeritus*

Bennett, Veldon J., B.A., M.A., Ph.D., *Department Head Emeritus*

Berry, Wilbur G., B.S., M.A., *Department Head Emeritus*

Bitgood, Stephen C., B.S., M.A., Ph.D., *Professor Emeritus*

Blanton, Raymond E., B.A., M.A., Ph.D., *Professor Emeritus*

Borstorff, Patricia, B.A., M.A., M.A., Ph.D., *Professor Emerita*



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Chandler, Jerry, B.A., M.P.A., *Assistant Professor Emeritus*

Chandler, Linda N., B.S., M.A., *Professor Emerita*

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Cox, Barry, B.S., Ph.D., *Director Emeritus*

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Crowe, Michael, B.S., M.S., Ph.D., *Professor Emeritus*

Cusimano, Alice N., B.S.Ed., M.S., Ed.D., *Associate Vice President Emerita*

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Debro, LaJoyce, B.A., M.S., Ph.D., *Distinguished Professor Emerita*

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Dempsey, Ouida S. F., B.S., M.A., D.M.A., *Professor Emerita*

Duffey, Lowell M., B.S., M.S., Ph.D., *Professor Emeritus*

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Horton, Gloria, B.S.Ed., M.A., *Instructor Emerita*

Hubbard, William J., A.B., M.L.S., *University Librarian Emeritus*

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Jackson, Harvey, B.A., M.A., Ph.D., *Professor Emeritus*

Johnson, Anne G., B.A., M.A., Ph.D., *Professor Emerita*

Johnson, Howard G., B.A., M.A., Ph.D., *Professor Emeritus*

Jones, Gail G., J.D., *Professor Emerita*

Jones, Mark, B.S., M.S.E., *Director Emeritus*

Kelley, Fred, B.A., M.A., and Ph.D., *Department Head Emeritus*

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King, Nina, B.S., M.S., and Ph.D., *Associate Professor Emerita*

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Kirby, Floyd, B.S., M.A., *Assistant Professor Emeritus*

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Koerper, Phillip, B.A., M.A., Ph.D., *Professor Emeritus*

Latham, Sarah V., B.S.M., M.S.M., D.S.N., *Dean Emerita*

Lauderbaugh, George, B.A., M.A., M.A., Ph.D., *Professor Emeritus*

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Malone, Sylvia S., B.A., M.A., *Instructor Emerita*

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Osterbind, Carter C., B.A., B.F.A., M.F.A., M.Ed., *Professor Emeritus*

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Parker, Patricia, B.M., M.M., D.M., *Associate Professor Emerita*

Parker, Rachel Jones, B.A., M.L.S., *Associate Dean Emerita*

Patterson, Donald, B.A., Ph.D., *Department Head Emeritus*

Paxton, Mary Jean, B.S., Ph.D., *Department Head/Director Emerita*

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Pope, Margaret, B.S., M.A., Ed.D., *Professor Emerita*

Richards, George D., A.B., M.A., Ph.D., *Professor Emeritus*

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Rose, Katherine Maxine, B.A., M.A., M.A., Ph.D., *Director Emerita*

Roswal, Glenn, B.S., M.A. Ph.D., *Professor Emeritus*

Roy, Joyce R., B.A., M.A., Ed.D., *Professor Emerita*

Salls, Donald J., B.S., M.A., Ed.D., *Professor Emeritus*

Sandberg, Angela, B.S., M.B.A., D.B.A., *Professor Emerita*

Savage, Ralph L., B.A., M.A., Ph.D., *Professor Emeritus*

Searway, Albert M., B.S., M.S., Ph.D., *Director Emeritus*

Sellers, Susan, B.S., M.A.E., *Instructor Emerita*

Serviss, Joseph, B.S., M.B.A., *Vice President Emeritus*

Shaddix, Pat, B.A., M.B.A., *Director Emeritus*

Skidmore, Jim, B.S., M.S., *Associate Athletic Director Emeritus*

Smith, Donna K., B.S., M.S.S.W., *Instructor Emerita*

Smith, Jerry D., B.S.Ed., M.S., Ed.D., *Dean Emeritus*

Smith, Johnny L., B.S., M.S., Ed.D., *Professor Emeritus*

Smith, Larry Joe, B.S., *Director Emeritus*

Smith, T. Allen, B.S., M.S., Ph.D., *Department Head Emeritus*

Sowell, Elizabeth S., B.S., M.S., Ph.D., *Professor Emerita*

Stinson, Mary E., B.S.Ed., M.S., Ed.S., Ph.D., *Associate Professor Emerita*

Suarez-Crowe, Yolanda, B.A., M.S., Ph.D., *Professor Emerita*

Sudduth, Sandra, A.B., M.S.Ed., *Instructor Emerita*

Summerour, Charles William, III, B.S., M.S., Ph.D., *Professor Emeritus*

Taylor, Phyllis, B.M.Ed., M.S.Ed., *Instructor Emerita*

Thornburg, Charlotte, B.A., M.Ed., Ed.D., *Professor Emerita*

Thornhill, Bonnie T., B.S.N., M.S.N., D.S.N., *Professor Emerita*

Tyler, George Tracy, B.A., M.M., *Instructor Emeritus*

Trivoli, George W., B.S., M.B.A., Ph.D., *Professor Emeritus*

Wade, James E., B.A., M.A., Ph.D., *Dean Emeritus*

Walker, J. Charles, B.A., M.Ed., J.D., Ph.D., *Professor Emeritus*

Ward, Carlton, B.A., M.F.A., *Department Head Emeritus*

Watts, Roberta O., B.S.N., M.S.N., Ed.D., *Professor Emerita*

White, Ronald, B.S., M.S., Ph.D., *Professor Emeritus*

White, Stephen, B.S., M.S. Ph.D., *Professor Emeritus*

Whitton, Steven J., B.A., M.A., Ph.D., *Professor Emeritus*

Williams, Eugene J., B.A., M.A., *Instructor Emeritus*

Wilson, Barbara T., B.S., M.A., *Instructor Emerita*

Wood, Randal, B.S., J.D., *Associate Professor Emeritus*

Woodward, H. Bascom, III, B.S., M.A., Ed.D., *Vice President Emeritus*

Wooster, Julia, B.S., M.S., *Instructor Emerita*

Wright, Elsie L., A.B., M.A., Ph.D., *Professor Emerita*

Yeh, Pu-Sen, B.S., M.S., Ph.D., *Department Head Emeritus*

Yocum, Virginia B.S., M.A., Ed.D., *Professor Emerita*

Yunker, Barbara D., B.A., M.S., Ph.D., *Associate Professor Emerita*

Zenanko, Carl Micheal, B.A., M.Ed., *Director Emeritus*

Zenanko, Marsha, B.S.E., M.S., Ph.D., *Professor Emerita*

Zuelke, Dennis C., B.S., M.S., Ph.D., *Professor Emeritus*

## Faculty

### A

#### Acker, Jennifer (2017)

*Instructor*

A.D.N., Jefferson State Community College  
M.S.N., Samford University

#### Adams, Jonathan (2001)

*Instructor*

B.S.W., Jacksonville State University  
M.S.W., The University of Alabama

#### Akisanya, Oyetunji (2012)

*Assistant Professor*

B.S.N., Jacksonville State University  
M.S.N., Jacksonville State University

#### Akpan, Joseph (2011)

*Professor*

B.S., Lane College  
M.A., Drake University  
Ph.D., Iowa State University

#### Al-Hamdani, Safaa H. (1992)

*Professor*

B.S., Baghdad University  
M.S., Tuskegee University  
Ph.D., Oklahoma State University

#### Alam, Mohammed Gaus (2006)

*Instructor*

B.S., Indiana University of Pennsylvania  
M.S., Jacksonville State University

#### Alvidrez, Michael R. (2015)

*Assistant Professor*

B.S.E., Arizona State University  
M.S.E., New Mexico State University  
Ph.D., New Mexico State University

#### Anderson, Thomas (2015)

*Assistant Professor*

B.A., Utah State University  
M.A., Prescott College  
Ed.D., University of Idaho

#### Anderson, William Chad (2014)

*Associate Professor*

B.F.A., Mississippi State University

M.F.A., Mississippi State University

#### Andrews, Donnie (2016)

*Associate Professor*

B.S., University of North Alabama  
M.S., Mississippi College  
M.S., University of Southern Mississippi  
Ph.D., University of Southern Mississippi

### B

#### Bailey, Rodney (2005)

*Instructor*

B.A., Jacksonville State University  
M.S.E., Jacksonville State University

#### Baptiste, Renee L. (2005)

*Professor*

B.M., William Carey College  
M.M., Eastman School of Music, University of Rochester  
Ph.D., University of Florida

#### Barclift, Dee (1998)

*Instructor*

B.S., Jacksonville State University  
M.S.W., University of Georgia

#### Barnes, Jimmy H. (2007)

*Associate Professor*

B.S., Berry College  
M.Ed., University of West Georgia  
Ed.S., Jacksonville State University  
Ed.D., Nova University

#### Barnett, Timothy J. (2003)

*Department Head, Political Science and Public Administration*

*Professor*

Th.B., Christian International College  
M.P.A., Boise State University  
Ph.D., University of Kansas

#### Barnett-Ellis, Paula (2000)

*Professor*

B.S., Georgia Southern University  
M.M.C., University of South Carolina  
M.L.I.S., The University of Alabama

#### Barrow, Laura (2012)

*Assistant Professor*

B.S.N., Jacksonville State University  
M.S.N., Jacksonville State University

#### Bavonese, Janet L. (2011)

*Associate Dean, School of Education*

*Associate Professor*

B.A., St. Thomas University  
M.S., Nova Southeastern University  
M.S., Jacksonville State University  
Ed.D., The University of Alabama

#### Bayles, Makenzie (2013)

*Assistant Professor*

B.S., Jacksonville State University  
M.S., Jacksonville State University

Ph.D., University of Kansas

**Beard, Lawrence (1999)**

*Professor*

B.A., The University of Alabama  
B.S., The University of Alabama  
M.A., The University of Alabama  
Ed.S., The University of Alabama  
Ed.D., The University of Alabama

**Beehler, John M. (2015)**

*President,*

*Professor*

B.S., The Pennsylvania State University  
M.B.A., Indiana University  
Ph.D., Indiana University

**Beezley, Paul R. (2004)**

*Associate Professor*

B.S., Appalachian State University  
M.S., University of Mississippi  
Ph.D., University of Mississippi

**Bekhouche, Noureddine (2000)**

*Professor*

B.S., University of Annaba  
M.S., Polytechnic University of New York  
Ph.D., West Virginia University

**Bennett, Don (2002)**

*Instructor*

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M.A., Jacksonville State University

**Bennett, Doris (1986)**

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M.A., The University of Alabama  
Ph.D., The University of Alabama

**Benson, Jeremy L. (2011)**

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M.M., Florida State University  
D.M.A., Rutgers The State University of New Jersey

**Bevis, Mary D. (1983)**

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**Blades, Randal W. (2006)**

*Department Head, Drama*

*Associate Professor*

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**Blair, Benjamin G. (1998)**

*Professor*

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Ph.D., Mississippi State University

**Bodiford, Kenneth G. (1994)**

*Director, Bands*

*Associate Professor*

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**Boggs, Robbie (2002)**

*Instructor*

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M.H.E., University of Georgia

**Boozer, Benjamin (2011)**

*Associate Professor*

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M.P.A., Jacksonville State University  
Ph.D., Auburn University

**Bougere, Marilyn (1994)**

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M.S.N., The University of Alabama at Birmingham

**Boynton, Michael (2013)**

*Associate Professor*

B.A., St. Mary's College of Maryland  
M.F.A., New York University  
M.F.A., Wayne University  
Ph.D., University of Maryland

**Brandon, Mark (1999)**

*Instructor*

B.M., University of South Carolina  
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## Accounting (ACC)

### ACC 200 Principles of Accounting I (3)

Prerequisite(s): MS 100 or higher level math course.

An introduction to financial accounting fundamentals with an emphasis on the accounting cycle, along with financial reporting and interpretation of the basic financial statements. Also emphasizes assets as part of the accounting cycle, financial reporting and interpretation of the basic financial statements.

### ACC 210 Principles of Accounting II (3)

Prerequisite(s): MS 112, ACC 200.

A continuation of the introduction to financial accounting fundamentals with an emphasis on debt and equity as part of the accounting cycle, financial reporting and interpretation of the basic financial statements. Also, an introduction to the use of managerial accounting information for planning, decision-making, product costing, and performance evaluation.

**ACC 301 Accounting Information Systems (3)**

Prerequisite(s): CS 201 and ACC 210.

Basic information system concepts including the transaction processing cycles of a business, the fundamental characteristics of a system of internal controls, the role of information technology in information processing, and the stages of systems development.

**ACC 310 Financial Accounting I (3)**

Prerequisite(s): ACC 210.

An introduction to accounting standards, an overview of accounting statements, and detailed study of asset and liability accounting.

**ACC 360 Financial Accounting II (3)**

Prerequisite(s): ACC 310 with a minimum grade of C or Corequisite

A detailed study of financial accounting topics including liabilities (bonds, pensions, deferred taxes, leases), stockholder's equity, earnings per share, accounting changes and errors, and the statement of cash flows. The course focuses on understanding accounting theory and applying the theory in solving problems.

**ACC 371 Cost Accounting (3)**

Prerequisite(s): ACC 210.

An introduction to cost accounting through a study of job-order costing, process costing, activity-based costing, standard costing, and variable costing. Emphasis on master, flexible and pro forma budgets with variance analysis.

**ACC 372 Income Tax Accounting (3)**

Prerequisite(s): ACC 210.

Federal income tax laws as they apply to individuals. Training in the interpretation of regulations and the preparation of a comprehensive federal income tax return. Tax research is also required with a focus on tax planning. Limited coverage is provided of the history of the tax laws as well as additional types of taxes paid by U.S. citizens.

**ACC 398 Governmental Accounting (3)**

Prerequisite(s): ACC 210 and ACC 310 with a minimum grade of C.

Accounting procedures for all governmental units, and nonprofit service organizations.

Analysis of fund accounting and procedures to prepare government-wide entity statements.

**ACC 401 Advanced Accounting Information Systems (3)**

Prerequisite(s): ACC 301 with a minimum grade of C. A continuation of the transaction cycles of a business with emphasis placed on flowcharting, context diagrams, and data flow diagrams.

Risk assessment of inadequate internal controls in an Electronic Data Processing environment.

**ACC 410 Financial Accounting III (3)**

Prerequisite(s): ACC 310 with a minimum grade of C. A detailed study of business expansion including combinations and international operations, and an overview of partnership accounting.

**ACC 476 Advanced Income Tax Accounting (3)**

Prerequisite(s): ACC 372 with a minimum grade of C. Advanced federal income tax topics including property transactions and international taxation issues.

The course also focuses on the taxation of corporations, S corporations, and partnerships. Limited coverage is provided on the taxation of trusts and estates as well as the alternative minimum tax. Understanding the implementation of the current regulations as well as tax planning strategies are discussed.

**ACC 477 Auditing (3)**

Prerequisite(s): ACC 301, ACC 310, and ACC 360 (minimum grade of C required for all prerequisites).

An overview of the theory and process of performing external audits and other attestation services. Courses coverage includes a study of professional standards, the independence of the external auditor, ethical issues, legal liability, internal controls, statistical sampling, auditing with computers, and the internal audit process.

**ACC 478 Accounting Theory (3)**

Prerequisite(s): ACC 360 and 410 (minimum grade of C required for all prerequisites).

The function of accounting in society including the conceptual framework of accounting and its application to current financial reporting requirements.

**ACC 479 Advanced Cost Accounting (3)**

Prerequisite(s): ACC 371 with a minimum grade of C. Cost accounting with emphasis on capital budgeting, quantitative techniques and relevant costs as a tool in management decisions.

**ACC 489 Accounting Internship (3)**

Prerequisite(s): Junior status and consent of the instructor and the Accounting Department Head.

Provides the accounting major with practical experience in the field via an internship arrangement. Grades: PASS/FAIL.

**ACC 490 Advanced Auditing (3)**

Prerequisite(s): Senior standing and ACC 477 with a minimum grade of C.

The practical application of auditing concepts and standards.

An understanding of auditing principles is reinforced and explained by exposure to problems and cases.

**ACC 497 Seminar in Accounting (3)**

Prerequisite for Undergraduate: Senior accounting majors only.

Prerequisites for Graduate: ACC 490 and ACC 512. Examines critical accounting topics through intensive review of current literature and pronouncements. Assesses student's ability to effectively communicate accounting information.

**ACC 498 Independent Research in Accounting (3)**

Prerequisite(s): Permission of the department head.

Research will be conducted into an area of "special interest" documented by a thesis-styled research paper. Scheduled on demand.

## Alternating Coop Ed Prog (CEA)

**CEA 001 Alternating Co Op Education (0)**

Cooperative Education experience involving full-time employment for the semester in an approved Co-Op position. The semester of full-time work (approximately 40 hr./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Financial Aid for additional information.)

**CEA 002 Alternating Co Op Education (0)**

Cooperative Education experience involving full-time employment for the semester in an approved Co-Op position. The semester of full-time work (approximately 40 hr./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Financial Aid for additional information.)



**CEA 003 Alternating Co Op Education (0)**

Cooperative Education experience involving full-time employment for the semester in an approved Co-Op position. The semester of full-time work (approximately 40 hr./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Financial Aid for additional information.)

**CEA 004 Alternating Co Op Education (0)**

Cooperative Education experience involving full-time employment for the semester in an approved Co-Op position. The semester of full-time work (approximately 40 hr./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Financial Aid for additional information.)

**CEA 005 Alternating Co Op Education (0)**

Cooperative Education experience involving full-time employment for the semester in an approved Co-Op position. The semester of full-time work (approximately 40 hr./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Financial Aid for additional information.)

**CEA 006 Alternating Co Op Education (0)**

Cooperative Education experience involving full-time employment for the semester in an approved Co-Op position. The semester of full-time work (approximately 40 hr./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Financial Aid for additional information.)

**CEA 007 Alternating Co Op Education (0)**

Cooperative Education experience involving full-time employment for the semester in an approved Co-Op position. The semester of full-time work (approximately 40 hr./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Financial Aid for additional information.)

**CEA 008 Alternating Co Op Education (0)**

Cooperative Education experience involving full-time employment for the semester in an approved Co-Op position. The semester of full-time work (approximately 40 hr./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Financial Aid for additional information.)

**CEA 009 Alternating Co Op Education (0)**

Cooperative Education experience involving full-time employment for the semester in an approved Co-Op position. The semester of full-time work (approximately 40 hr./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Financial Aid for additional information.)

## Art (ART)

**ART 111 Survey of Western Art I (3)**

A study of the major visual arts from the Prehistoric Period to the Middle Ages.

**ART 112 Survey of Western Art II (3)**

A study of the major visual arts from the Renaissance to the Contemporary World.

**ART 134 Drawing I (3)**

Practice in different basic drawing techniques and media.

**ART 202 Art Appreciation (3)**

Exploration of art forms of the past and present for understanding of purpose, meaning, and nature of art. Awareness, appreciation, and visual enjoyment of art are stressed.

**ART 203 Honors Art Appreciation (3)**

Substitutes for ART 202. Advanced individualized exploration of art forms of the past and present for understanding of purpose, meaning, and nature of art. Awareness, appreciation, and visual enjoyment of art are stressed.

**ART 233 Design I (3)**

Two dimensional projects related to design principles, theories, and techniques.

**ART 234 Drawing II (3)**

Prerequisite(s): ART 134.

Concentration upon the refinement of technical proficiency with emphasis on the expressive potential of drawing media.

**ART 240 Design II (3)**

Prerequisite(s): ART 134 and 233.

Advanced problems in two-dimensional and three-dimensional design, theories, and techniques.

**ART 299 Study Abroad (3)**

Prerequisite(s): Permission of academic advisor and pre-approval by department head prior to registration.

Individual study abroad through a JSU-sponsored program as administered by International Programs; pre-approval within specific disciplines required. May be repeated for credit for a total of 15 semester hours. Grades: Pass/Fail.

**ART 303 Beginning Painting (3)**

Prerequisite(s): ART 134 and ART 233.

Introduction to formal and technical problems of painting with an emphasis on fundamental concepts and practices.

**ART 305 Special Topics in Painting (3)**

Prerequisite(s): ART 303 and/or permission of instructor.

An in-depth independent investigation of topics and techniques in the field of painting, such as advanced painting from the figure, painting on location, experimental media and materials research, etc. May be duplicated for credit up to 9 hours.

**ART 309 Ceramics I: Handbuilding (3)**

Exploration of a variety of hand building techniques and basic glazing methods to produce functional and decorative ceramics.

**ART 312 Special Topics in Ceramics (3)**

Prerequisite(s): ART 309 and/or permission of instructor.

An in-depth independent investigation of topics and techniques in the field of ceramics, such as glaze formation, figurative ceramics and alternative firing processes, etc. May be duplicated for credit up to 9 hours.

**ART 319 Beginning Sculpture (3)**

Prerequisite(s): ART 134 and ART 233.

Introduction to three-dimensional design problems and sculpture media.

**ART 325 Introduction to Illustration (3)**

Prerequisite(s): ART 234.

Study of illustration involving the application of traditional media.

**ART 335 Figure Drawing (3)**

Prerequisite(s): ART 134 and 234.

Concentration on rendering the human form.

**ART 338 Special Topics in Drawing (3)**

Prerequisite(s): ART 234 or permission of instructor.

An in-depth independent investigation of topics and techniques in the field of drawing, such as advanced drawing from the figure, drawing on location, experimental media and/or contemporary concepts and practices in drawing, etc. May be duplicated for credit up to 9 hours.

**ART 339 Digital Illustration (3)**

Prerequisite(s): ART 234 and permission of instructor.  
Students in this course investigate the advantages and application of digital media available to the illustrator.

**ART 340 Design III (3)**

Prerequisite(s): ART 233, 240.  
Study of color theories and their application to design.

**ART 341 Digital Literacy for Artists/Designers (3)**

Introduction to basic computer hardware and software skills for artists and designers with an emphasis on the Adobe Creative Suite. Students will learn to document and format their work for dissemination, as well as explore various media and modes for artist/designer self-promotions.

**ART 342 Graphic Design I (3)**

Prerequisite(s): ART 134 and ART 233.  
Introduction to typography. The history of writing and type. Projects emphasize spatial problems and communicative value of type, with digital page layout problems.

**ART 343 Graphic Design II (3)**

Prerequisite(s): ART 342.  
Examination of the role of the graphic designer. Fundamentals of visual communication and letter form with problems focusing on project research, design process, and unity of type and image.

**ART 344 Drawing Studio (3)**

Prerequisite(s): ART 234.  
Comprehensive study of creative drawing, emphasizing material, imagery, and concept.

**ART 345 Intermediate Drawing Studio (3)**

Prerequisite(s): ART 344.  
Creative drawing emphasizing aesthetic and conceptual concerns in the thematic development.

**ART 350 Screen Printing (3)**

Prerequisite(s): ART 343.  
This course will introduce the student to concepts, techniques, processes and materials used to produce poster designs, fine art prints, packaging and books using screen printing.

**ART 352 Type in Motion (3)**

Prerequisite(s): ART 342.  
Introduction to kinetic typographic design concepts and digital software applications used to create kinetic typography.

**ART 362 Printmaking: Intaglio (3)**

Prerequisite(s): ART 134 and ART 233.  
Fundamentals of printmaking. Studio work in intaglio (etching) techniques. (Formerly Printmaking I).

**ART 365 Special Topics in Printmaking (3)**

Prerequisite(s): ART 362 and/or permission of instructor.  
An in-depth independent investigation of topics and techniques in the field of printmaking, such as relief, letterpress, intaglio, lithography, screenprinting, monotype, collagraph, digital printmaking and experimental media. May be duplicated for credit up to 9 hours.

**ART 368 Introduction to Photography (3)**

Introduction to basic digital photography and image processing techniques with emphasis on the aesthetic qualities of photography.

**ART 369 Black and White Photography (3)**

Prerequisite(s): ART 368.  
Introduction to basic black and white film photography and darkroom techniques with emphasis on aesthetic qualities of photography.

**ART 374 19th Century Art History (3)**

Prerequisite(s): EH 101, 102 and ART 111, 112.  
Painting, drawing, and printmaking in the nineteenth century are studied through slide lectures. Offered alternate semesters.

**ART 387 Modern Art (3)**

Prerequisite(s): 6 credit hours of 100 or 200 level art history courses or by permission of the instructor.  
A survey of modern art in a variety of media from the late nineteenth century to the present.

**ART 389 American Art and the Old South (3)**

Prerequisite(s): EH 101, 102 and ART 111, 112 or equivalent.  
A survey of American Art History with emphasis on the traditions of the South.

**ART 390 Photoshop Tools (3)**

Introductory level course that explores the practical principles of processing and editing digital photographs using Adobe Photoshop.

**ART 391 Water Color (3)**

Prerequisite(s): ART 134 and 233.  
Water color painting for beginning and intermediate students. Emphasis on developing individual attitudes toward the water color medium. This course may be repeated for credit up to a maximum of 12 hours.

**ART 394 Non-Western Art (3)**

Prerequisite(s): EH 101, 102 and ART 111, 112 or equivalent.  
This course will investigate a series of non-western cultures through their art and architecture. (Formerly Primitive and Non-Western Art).

**ART 399 Study Tour (3)**

Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.

**ART 402 Graphic Design History (3)**

Prerequisite(s): 6 credit hours of 100 or 200 level art history courses or by permission of the instructor.  
A survey of graphic design history with concentration on developments from the nineteenth century to the present..

**ART 403 Painting II (3)**

Prerequisite(s): ART 234, 240, 303.  
Advanced work in painting with an emphasis on creative expression and a further development of basic concepts and fundamentals.

**ART 404 Painting III (3)**

Prerequisite(s): ART 403.  
Advanced work in painting with an emphasis on creative expression and a further development of basic concepts and fundamentals.

**ART 405 Advanced Painting IV (3)**

Prerequisite(s): ART 404.  
The study of advanced comprehensive approach to current painting. The emphasis will be on the development of the individual student's originality in problem solving.

**ART 407 Mixed Media (3)**

Prerequisite(s): ART 134, 233, 234, and 240.  
Using traditional as well as nontraditional materials students are encouraged to explore the boundaries between drawing, painting, and sculpture. Research, artistic process, visual documentation, artist as narrator, practical issues, personal concepts, metaphor, and appropriation will play a role in completion of successful works of art. This course may be repeated up to a maximum of nine semester hours.

**ART 409 Ceramics II: Intro to Wheel Throwing (3)**

Exploration of techniques based on the potter's wheel and the production of functional pottery. Investigation of the fundamentals of making glazes and loading and firing kilns.

**ART 410 Ceramics III (3)**

Prerequisite(s): ART 409.

Advanced exploration in the production of ceramic art works.

**ART 413 Advanced Ceramics IV (3)**

Prerequisite(s): ART 410.

Advanced individual exploration in the production of ceramic art works.

**ART 419 Sculpture II (3)**

Prerequisite(s): ART 319.

Advanced work in sculpture with emphasis on dynamic spatial form.

**ART 420 Sculpture III (3)**

Prerequisite(s): ART 419.

Advanced work in sculpture.

**ART 430 Graphic Design III (3)**

Prerequisite(s): ART 343.

Development of design process and methodology. Visual systems, sequencing, and series. Applied projects include identity systems and brochure design. Illustration/vector art software.

**ART 431 Advanced Graphic Design IV (3)**

Prerequisite(s): ART 430.

Information design, package design, and advanced type and image problems. Image manipulation software.

**ART 432 Introduction to Letterform Design (3)**

Prerequisite(s): ART 329 and ART 429.

Introduction to the design of letterform with emphasis on tradition and aesthetics. Letterform may be developed from drawing through to digitization.

**ART 434 Graphic Design Workshop (3)**

Prerequisites: ART 343 or approval of instructor. Introduction to the professional practice of graphic design from the initial contact with the client, through the design process, to the practical aspects of production. This course may be repeated for credit up to a maximum of nine hours.

**ART 435 Advanced Typography (3)**

Prerequisite(s): ART 343.

Advanced exploration, examination, design and application of lettering, letterforms, and type. Projects emphasize spatial problems and communicative value of type with digital page layout programs.

**ART 438 Special Topics in Graphic Design (3)**

Prerequisite(s): ART 343.

An in-depth independent investigation of topics and techniques in the field of graphic design. May be repeated for credit for a total of 9 semester hours.

**ART 439 Special Topics in Art History (3)**

Prerequisite(s): 6 credit hours of 100 or 200 level art history courses or by permission of the instructor.

An in-depth investigation on a variety of possible art historical topics. May be duplicated for credit for a total of nine (9) semester hours, as long as each course taken is a different special topic.

**ART 442 Interactive Design I (3)**

Prerequisite(s): ART 342 or permission of instructor.

Introduction to contemporary concepts and methods of interface design for interactive digital media. Equal emphasis on functional, technical, and aesthetic principles.

**ART 443 Interactive Design II (3)**

Prerequisite(s): ART 442 or permission of instructor.

Intermediate principles of interactive design for digital media.

Continuation of principles covered in ART 442 with emphasis on technical development of interactive content.

**ART 445 Advanced Drawing Studio (3)**

Prerequisite(s): Any one of the following - ART 339, ART 341, ART 344 or ART 345 or by permission of the instructor.

Advanced study of illustrative and creative drawing based in studio production from concept to finished portfolio production. Coursework includes professional practices. This course may be repeated up to a maximum of nine credit hours.

**ART 449 History of Photography (3)**

Prerequisite(s): 6 credit hours of 100 or 200 level art history courses or by permission of the instructor.

A survey of the development of photography as an emerging technology in the nineteenth century to the present with emphasis on developments in modern and contemporary art.

**ART 450 Art Theory (3)**

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

An investigation of the theoretical background associated with artistic production.

**ART 451 Modern Architecture (3)**

Prerequisite(s): 6 hours of 100 or 200 level art history courses or by permission of the instructor.

An examination of modern architecture from the late nineteenth century to the present with emphasis on developments in technology, artistic theory, and social practices.

**ART 462 Printmaking: Relief (3)**

Prerequisite(s): ART 134 and 233.

Fundamentals of printmaking. Studio work in relief techniques. (Formerly Printmaking II).

**ART 463 Printmaking III (3)**

Prerequisite(s): ART 462.

Further advanced problems in printmaking.

**ART 464 Advanced Printmaking IV (3)**

Prerequisite(s): ART 462 and 463.

Advanced problems in printmaking utilizing traditional and experimental techniques. The emphasis will be on developing the student's individual approach.

**ART 467 Photography in the Field (3)**

Prerequisite(s): ART 368 and permission of the instructor.

Introduction to photographing on location. Emphasis will be on exploring the technical concerns and aesthetic possibilities of location photography. This course may be repeated for credit up to 9 hours.

**ART 469 Intermediate Digital Photography (3)**

Prerequisite(s): ART 368.

Explore color and advanced black and white digital photography, building on skills and ideas learned in Introduction to Photography, with emphasis on the technical and aesthetic aspects of photography.

**ART 470 Alternative Processes in Photography (3)**

Prerequisite(s): ART 368.

Advanced use of historical photographic processes and darkroom photography as fine art. Emphasis is on the use of advanced techniques and on personal expression. This course may be repeated for credit up to a maximum of 9 hours.

**ART 471 Advanced Photography (3)**

Prerequisite(s): ART 368, 369, 469.

The study of advanced aesthetic and technical skills in black and white, color, and other photographic mediums. The emphasis will be on individual originality and creative expression. This course may be repeated for credit up to a maximum of 9 hours.

**ART 472 Basic Digital Photography (3)**

Prerequisite(s): ART 134, ART 233, ART 369, ART 469 or 470.

This course will explore the primary manner in which digital and/or digitized images are different from traditional silver based photographic materials. Emphasis will be on both technical and aesthetic aspects of photography.

**ART 473 Special Topics in Photography (3)**

Prerequisite(s): ART 368 and permission of instructor.

Advanced work in photography and digital imaging. Topics will rotate and include such areas as social and documentary photography, exploratory media, and advance technical areas of study. This course may be repeated for credit up to a maximum of 12 hours.

**ART 475 Studio Lighting (3)**

Prerequisite(s): ART 469.

This class explores light control for still photography and video in the studio and on location. Students will use professional grade continuous light sources and strobes along with natural light to explore the creative possibilities of designing with light.

**ART 476 Video for Photographers (3)**

Prerequisite(s): ART 469.

Explore practical skills and concepts from image capture to editing that will allow you to adapt your photography skills to video production and time-based design.

**ART 479 Independent Study in Art History (3)**

Prerequisite(s): Approval of department head or approval of instructor. 12 hours (300+) of Art History. Selected topics to be coordinated with instructor.

**ART 481 Internship Graphic Design (3)**

Prerequisite(s): ART 430 or permission of the instructor.

Students will receive on-the-job training and experience in an area of their specialization. This course may be duplicated for credit for a total of six (6) semester hours.

**ART 484 Current New York Art Museum (3)**

A study of New York art exhibitions available in museums such as the Metropolitan Museum of Art, the Museum of Modern Art, and local galleries. In addition, students visit Lincoln Center for the Performing Arts and attend four Broadway productions.

**ART 486 Internship in Museum Work (3)**

Prerequisite(s): 12 hours (300+) in Art History.

Designed for students planning a career in museum work. Course includes history and organization of museums with work experience in a local museum. Recommended for Art History minor.

**ART 488 BFA Seminar (3)**

Prerequisite(s): Acceptance in BFA Program and Senior Standing.

Required for the BFA. Seminar includes a review of current literature, portfolio presentation, BFA exhibition, and senior paper.

**ART 490 Advanced Independent Study (3)**

Prerequisite(s): Completion of studio emphasis and permission of department head and instructor.

Intensive independent study for students within their studio emphasis, coordinated and approved by a faculty advisor. Each course may be repeated for credit, up to a maximum of 12 hours, with permission of Department Head.

**ART 491 Advanced Independent Study (3)**

Prerequisite(s): Completion of studio emphasis and approval of department head and instructor.

Intensive independent study for students within their studio emphasis, coordinated and approved by a faculty advisor. Each course may be repeated for credit, up to a maximum of 12 hours, with permission of Department Head.

**ART 492 Advanced Independent Study (3)**

Prerequisite(s): Completion of studio emphasis and permission of department head and instructor.

Intensive independent study for students within their studio emphasis, coordinated and approved by a faculty advisor. Each course may be repeated for credit, up to a maximum of 12 hours, with permission of Department Head.

**ART 493 Advanced Independent Study (3)**

Prerequisite(s): Completion of studio emphasis and approval of department head and instructor.

Intensive independent study for students within their studio emphasis, coordinated and approved by a faculty advisor. Each course may be repeated for credit, up to a maximum of 12 hours, with permission of Department Head.

**ART 494 Advanced Independent Study (3)**

Prerequisite(s): Completion of studio emphasis and approval of department head and instructor.

Intensive independent study for students within their studio emphasis, coordinated and approved by a faculty advisor. Each course may be repeated for credit, up to a maximum of 12 hours, with permission of Department Head.

**ART 495 Advanced Independent Study (3)**

Prerequisite(s): Completion of studio emphasis and approval of department head and instructor.

Intensive independent study for students within their studio emphasis, coordinated and approved by a faculty advisor. Each course may be repeated for credit, up to a maximum of 12 hours, with permission of Department Head.

**ART 496 Advanced Independent Study (3)**

Prerequisite(s): Completion of studio emphasis and approval of department head and instructor.

Intensive independent study for students within their studio emphasis, coordinated and approved by a faculty advisor. Each course may be repeated for credit, up to a maximum of 12 hours, with permission of Department Head.

**ART 497 Advanced Independent Study (3)****ART 499 BA Senior Seminar and Exhibit (3)**

Prerequisite(s): Senior standing.

Required of senior art majors and must be taken the semester of graduation. Seminar will cover the important aspects of planning and hanging an exhibit and the preparation of a portfolio and resume. The fruition of this course will be the Senior Exhibit.

## Biology (BY)

### BY 101 Introductory Biology I (3)

Corequisite(s): BY 103.

An introduction to the concepts of biology, including cellular structure and function, bioenergetics, patterns and mechanisms of inheritance, the processes of evolution, and ecology. For majors and non-majors.

### BY 102 Introductory Biology II (3)

Prerequisite(s): BY 101; Corequisite

An introduction to biodiversity, from bacteria through plants and animals, with an emphasis on their structure, function, and ecological interactions. For majors and non-majors.

### BY 103 Introductory Biology Lab I (1)

Corequisite(s): BY 101.

One two-hour laboratory per week. This course reinforces lecture materials and must be taken concurrently with BY 101.

### BY 104 Introductory Biology Lab II (1)

Prerequisite(s): BY 103.

Corequisite(s): BY 102.

One two-hour laboratory per week. This course reinforces lecture material and must be taken concurrently with BY 102.

### BY 105 Honors Introductory Biology I (3)

Prerequisite(s): Admission to the Honors Program or approval of instructor.

Corequisite(s): BY 107.

Substitutes for BY 101. An advanced introduction to the concepts of biology, including chemistry as related to biology, cell structure and function, energy pathways, cellular reproduction, genetics, genetic techniques, evolution and ecology. For majors and non-majors.

### BY 106 Honors Introductory Biology II (3)

Prerequisite(s): Successful completion of BY 105 or approval of instructor.

Corequisite(s): BY 108.

Substitutes for BY 102. An advanced introduction to diversity in the living world. Emphasis is on structure, function, and ecological interactions of living organisms beginning with bacteria and viruses and progressing through plants and animals. For majors and non-majors.

### BY 107 Honors Introductory Biology Lab I (1)

Prerequisite(s): Admission to the Honors Program or approval of instructor.

Corequisite(s): BY 105.

(1). Substitutes for BY 103. One two-hour laboratory per week. This course reinforces lecture materials with hands-on creative laboratory exercises and must be taken concurrently with BY 101H.

### BY 108 Honors Intro Biology Lab II (1)

Prerequisite(s): Admission to the Honors Program or approval of instructor.

Corequisite(s): BY 106.

Substitutes for BY 104. One two-hour laboratory per week. This course reinforces lecture materials with hands-on creative laboratory exercises and must be taken concurrently with BY 106.

### BY 263 Human Anatomy and Physiology I (4)

Prerequisite(s): BY 101,103.

Lecture and laboratory. The first of a two-course sequence of human anatomy and physiology, with an emphasis on the skeletal, muscular, respiratory and circulatory systems. For students in health-related majors; no credit allowed toward Biology major or minor.

### BY 264 Human Anatomy and Physiology II (4)

Prerequisite(s): BY 263.

Lecture and laboratory. The second of a two-course sequence of human anatomy and physiology, with an emphasis on the digestive, urinary, reproductive and endocrine systems. For students in health-related majors; no credit allowed towards Biology major or minor.

### BY 283 Health Microbiology (4)

Prerequisite(s): BY 101, 103.

Lecture and laboratory. The study of viruses, bacteria, protozoa and fungi that cause diseases in humans. For students in health-related majors; no credit for Biology major or minor.

### BY 301 Field Zoology (3)

Prerequisite(s): BY 101, 102, 103, 104.

Lecture, laboratory, and field study. Collecting and identifying animals and noting ecological conditions. (Group II)

### BY 302 Field Botany (3)

Prerequisite(s): BY 101, 102, 103, 104.

Lecture, laboratory, and field study. The laboratory work will involve the collection and identification of native plants of Alabama. (Group II)

### BY 303 Biological Conservation (3)

Prerequisite(s): BY 101, 102, 103, 104.

A contemporary and historical study of biological conservation in America. Topics include national and global biodiversity, threats to biodiversity, conservation ethics and economics, habitat loss and degradation, habitat fragmentation, overexploitation, invasive species, conservation genetics, and conservation policy. Also addressed are the management of species and population dynamics, ecosystem conservation, restoration of degraded ecosystems, and sustainable development.

### BY 320 Comparative Vertebrate Anatomy (4)

Prerequisite(s): BY 101, BY 102, BY 103, BY 104.

Lecture and laboratory. The comparative study of vertebrate organ systems supplemented in laboratory with the dissection of selected vertebrates. (Group II)

### BY 322 Genetics (4)

Prerequisite(s): BY 101, 102, 103, 104.

Lecture and laboratory. Important facts, laws, theories, and methods used in the study of genetics.

### BY 323 Microbiology (4)

Prerequisite(s): BY 101, BY 102, BY 103, BY 104.

Lecture and laboratory. General microbiology, including methods of culture and identification of some of the most common types of microorganisms. (Group II)

### BY 327 Directed Studies in Biology (1)

Prerequisite(s): BY 322 or 332 or 373.

Recommended: BY 370. May be duplicated for credit for a total of three (3) semester hours, but only 1 hour may be applied to the major. A laboratory, field or library research investigation dealing with an aspect of the biological sciences. Biology sponsor required for topic approval and supervision. Grades: Pass/Fail.

### BY 331 Principles of Animal Nutrition (3)

Prerequisite(s): BY 101, 102, 103, and 104.

The classification and function of nutrients, deficiency symptoms, digestive processes, characterization of feedstuffs, and formulation of diets for domestic animals.

**BY 332 Ecology (4)**

Prerequisite(s): BY 101, 102, 103, 104.

Corequisite(s): MS 112 or higher.

Prerequisite or Lecture, laboratory, and field study. The association and distribution of organisms in relation to the major environmental factors.

**BY 340 Discovering Genomics and Bioinformatics (3)**

Prerequisite(s): BY 101.

The course provides fundamental background in bioinformatics, both theoretical (bioinformatics algorithms) and practical (databases and web-based tools used to study problems in biology), to students in computer science or in biological sciences. Introduction to the biological problems addressed in this course will be provided, as well as a formal definition of the computational problems and a deep exploration of the algorithms for solving these problems. Practical use of topics introduced in class is demonstrated by laboratory exercises and homework problems. Students are grouped for class projects such that each group contains at least one life scientist and one computer scientist. BY 340 is cross-listed with CS 340, but only one course can be counted for credit.

**BY 373 Cell Biology (4)**

Prerequisite(s): BY 101, 102, 103, 104.

Lecture and laboratory. The study of prokaryotic and eukaryotic cells, with an emphasis on their chemical and structural organization, bioenergetics and reproduction.

**BY 397 Biology Internship (1)**

Prerequisite(s): BY 101, 102, 103, 104; either BY 322, 332, or 373; and permission of instructor required.

May be duplicated for credit for a total of three (3) semester hours, but only 1 hour may be applied to the major. The student will spend a minimum of 25 hours gaining practical experience at a public or private institution or business. Grade: Pass/Fail.

**BY 399 Study Tour (3)**

Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.

**BY 402 Medical Microbiology (4)**

Prerequisite(s): BY 323 or 283 and approval of instructor.

Study of pathogenic bacteria, viruses, fungi, and parasites of humans and some domestic animals; identification of pathogens, disease processes, and public health emphasized; lecture and laboratory.

**BY 403 Immunology (3)**

Prerequisite(s): BY 373; BY 323 recommended.

Study of immunity and how the immune system responds to specific infectious and non-infectious agents; comparative immunology of invertebrate and vertebrate animals, immunological disorders, and application of immunological techniques; lecture and laboratory. (Group I)

**BY 405 Animal Behavior (3)**

Prerequisite(s): BY 332.

Genetic and anatomical bases of behavior; impact of behavior on the ecology of animals emphasized; lecture, discussion, demonstration and library studies.

**BY 406 Ornithology (4)**

Prerequisite(s): BY 332.

History, classification, anatomy, physiology, ecology, and distribution of birds; laboratory emphasis on field identification and ecology; lecture, laboratory, and field studies. (Group II)

**BY 407 Mammalogy (4)**

Prerequisite(s): BY 332.

Aspects of the biology, ecology, taxonomy, and distribution of southeastern mammals; lecture, laboratory, and field studies.

**BY 408 Public Policy and Ecosystems (4)**

Prerequisite(s): BY 332.

Lecture, laboratory and field study. The course will address the history, evolution, and recent developments in natural resource policy and how it influences ecosystem structure and function. Topics will include fish and wildlife conservation, forest planning and management, agricultural policies, public lands (Bureau of Land Management lands, national forests, national wildlife refuges, national parks, and wilderness areas), endangered species, and policies that influence private lands. The relationship between policies and ecosystem structure and function will be addressed in class and in labs by debates and field exercises.

**BY 412 Plant Reproduction and Development (4)**

Prerequisite(s): BY 322, BY 373; CY 105, CY 106, CY 107, CY 108 recommended.

Study of structural and functional aspects of reproductive and developmental phenomena in vascular plants; lecture and laboratory. (Group I)

**BY 413 Animal Reproduction and Development (4)**

Prerequisite(s): BY 322, BY 373; CY 105, CY 106, CY 107, CY 108 recommended.

Study of the structural and functional aspects of reproductive and developmental phenomena in animals with emphasis on the cellular and molecular mechanisms involved; lecture and laboratory. (Group I)

**BY 415 Biometrics (3)**

Prerequisite(s): BY 322, 332, or 373 and MS 204.

An introduction into statistics for biology majors. This course will introduce students to appropriate statistics for analyzing biological data including how to select random samples, use basic statistical packages, post-hoc statistical testing and the use of linear regression and will use real-world examples of statistics in ecological, toxicological, and physiological research; lecture and laboratory.

**BY 422 Biology of Cryptogams (4)**

Prerequisite(s): BY 332, BY 373.

The study of blue-green algae, algae, slime molds, bryophytes, and lichens; lecture, laboratory, field, and library study. Extensive field and laboratory identifications. (Group II)

**BY 427 Independent Studies in Biology (1)**

Prerequisite(s): BY 370.

(1) Laboratory or field research investigation dealing with an aspect of biological sciences; biology sponsor required for topic approval and supervision. Grade: Pass/Fail

**BY 434 Animal Systems Physiology (4)**

Prerequisite(s): BY 373; CY 105, CY 106, CY 107, CY 108; CY 231, CY 232 and one semester of physics recommended.

Systematic survey of organ system physiology in vertebrates; systems analysis, biophysics, and bioengineering emphasized; lecture and laboratory. (Group I)

**BY 435 Landscape Ecology (4)**

Prerequisite(s): BY 322, MS 204.

Undergraduate Prerequisite: BY 322. Graduate Lecture, laboratory, and field study. Emphasis will be on the role of spatial heterogeneity in terrestrial systems; its detection and description, analysis of pattern formation, landscape dynamics and models, human interactions with heterogeneity, and the implications of heterogeneity of populations, communities, and ecosystems. Landscape ecology provides approaches to fundamental research questions in ecology, as well as new approaches to forest and resource management that consider ecosystem processes at larger spatial and temporal scales.

**BY 438 Freshwater Biology (4)**

Prerequisite(s): BY 332.

Analysis of the unique ecology and biology of the freshwater environment; extensive field work; research project; lecture, laboratory, and field studies.

**BY 440 Evolutionary Biology (4)**

Prerequisite(s): BY 322.

Study of the processes and mechanisms which lead to evolutionary change in the biota; lecture, laboratory and field studies.

**BY 442 General Entomology (4)**

Prerequisite(s): BY 332.

Lecture, laboratory, and field study of insects and other arthropods, with an emphasis on the taxonomy, morphology, physiology, and ecology of the insects. (Group II)

**BY 445 Ecotoxicology (4)**

Prerequisite(s): BY 332, BY 373.

Recommended: BY 322. This course is a survey of ecotoxicology. The study of the integration of the major processes involved with transport, exposure and response of biological systems to xenobiotics, how toxicants mediate interactions between organisms and their biotic and abiotic environments and, the impact and toxic effects of pollutants on diversity, growth and metabolism of living organisms, populations, communities, and the ecosystem; lecture, laboratory and field study. (Group I)

**BY 450 Molecular Biology (4)**

Prerequisite(s): BY 322, 373 or approval of instructor.

Study of the processes involved in the expression of biological information at the molecular level; lecture and laboratory. (Group II)

**BY 451 Plant Anatomy (4)**

Prerequisite(s): BY 373.

Study of the comparative structural organization of the vegetative and reproductive parts of seed plants, from cells to tissues to systems; lecture and laboratory. (Group II)

**BY 452 Plant Taxonomy (4)**

Prerequisite(s): BY 322 or BY 332.

Survey of plant nomenclature, identification systems, description, evolution, and classification; vascular plants emphasized; lecture, library, laboratory, and field studies. (Group II)

**BY 453 Dendrology (4)**

Prerequisites: BY 332. Lecture, laboratory, and field study. The identification, taxonomy, ecological characteristics, distribution, and economic importance of trees native to North America and ornamentals. (Group II)

**BY 454 Tropical Biology (3)**

Prerequisite(s): BY 101, 102, 103, 104, and approval of instructor.

An extensive field trip to study the flora and fauna of tropical regions. A written and oral report are required.

**BY 455 Plant Ecology (4)**

Prerequisite(s): BY 322 or 332.

Major plant communities of the southeastern U.S. and their relationships with major abiotic features; autecological field studies of plant species and populations included; lecture, laboratory, library and field studies.

**BY 458 Herpetology (4)**

Prerequisite(s): BY 332.

Recommended: BY 320. Taxonomy, ecology, physiology, and external anatomy of amphibians and reptiles; conservation and field methodology emphasized; lecture, laboratory and field studies. (Group II)

**BY 460 Ichthyology (4)**

Prerequisite(s): BY 332.

An overview of the evolution, ecology, behavior, physiology, and conservations of fishes. Preparation and presentation of an original library or lab/field research project required. Lecture, laboratory, and field study. (Group II)

**BY 473 Advanced Cell Biology (4)**

Prerequisite(s): 373.

Recommended: BY 322, CY 231, CY 232, CY 362, CY 363. A study of molecular aspects of cell structures and their functions using both descriptive and biochemical approaches. Lecture and laboratory. (Group I)

**BY 475 Economic Botany (4)**

Prerequisites for Undergraduate: BY 101, 102, 103, and 104. Prerequisites for Graduate: BY322 or 332. Collection identification, culture and preservation of plants for illustration and utilization in the classroom and laboratory; two class periods and one laboratory period per week.

**BY 476 Invertebrate Zoology (4)**

Prerequisite(s): BY 332.

Systematics, ecology, physiology, and phylogenetic relationships of invertebrate animals; lecture, laboratory, and field studies. (Group II)

**BY 477 Cell and Tissue Culture (4)**

Prerequisite(s): BY 101, 102, 103, 104, 373, CY 105-108.

Recommended: BY 322, 412, 431 and CY 231. Cell and Tissue Culture is an advanced biology course dealing with in vitro manipulation of cells, organs, and tissues; both solid and suspension culture and their application to biotechnology. Lecture and laboratory. (Group I)

**BY 478 Endocrinology (3)**

Prerequisite(s): BY 373 and CY 231.

General introduction to vertebrate endocrine systems and the variety of chemical messengers involved in the regulation of physiological processes. Topics will include discussions of the history and methodologies of endocrinology, hormone synthesis, physiological effects of hormones, and the mechanisms of actions for various hormones. (Group I)

**BY 479 Plant Physiology (4)**

Prerequisite(s): BY 373; BY 451 recommended.

Mineral nutrition, water relations, photosynthesis, metabolism and transport in vascular plants; lecture and laboratory. (Group I)

**BY 480 Advanced Topics in Biology I (1)**

Prerequisite(s): BY 322 or 332 or 373.

Lecture and discussion; topics to be posted in the Biology Department.

**BY 481 Advanced Topics in Biology II (1)**

Prerequisite(s): BY 322 or 332 or 373.

Lecture and discussion; topics to be posted in the Biology Department.

**BY 488 Laboratory Practicum I (2)**

Prerequisite(s): BY 322, 332, 373 and approval of instructor.  
Lecture and laboratories. The design, organization, and implementation of laboratory exercises, the use of appropriate equipment and instructional materials, and laboratory safety and supervision. Offered fall term only.

**BY 489 Laboratory Practicum II (1)**

Prerequisite(s): BY 322 or 332 or 373, and approval of instructor.  
The organization and implementation of laboratories including the use of appropriate equipment and instructional materials. (Grade of Pass/Fail only).

**BY 496 Senior Seminar (1)**

Prerequisite(s): BY 370 and Senior Standing.  
The capstone course in biology includes a written report, an oral presentation in a symposium format, satisfactory completion of a comprehensive exam for the major, and participation in departmental assessment. Required for Biology major.

## Career Technical Ed (CTE)

**CTE 350 Professional and Technical Competency for Career and Technical Education (3)**

Prerequisite(s): TEC 201 or CS 201.  
Technical skills needed to teach, organize, and maintain career and technical programs in middle and secondary schools. Professional skills needed to secure and maintain employment in CTE. Includes both on-campus and off-site practicum experiences. A minimum of twenty-five practicum hours are required to pass this course. Eight hours of non-educational job-shadowing and/or experience are required. Objectives within this course meet the Alabama State Board of Education knowledge and ability rules, NCATE-affiliated specialty organizations, guidelines, and institutional standards.

**CTE 362 Principles of Career Technical Education (3)**

Requires Teacher Education Program eligibility. History, philosophy, trends, and issues of career and technical education programs in middle and secondary schools. Includes needs assessment, curriculum planning, and implementation of programs.

**CTE 383 Curriculum and Literacy (3)**

Prerequisite: Requires Teacher Education Program eligibility. This course addresses both curriculum and content literacy for Career & Technical Education programs. Course will substitute for ESE 383 for BME majors and FCS education majors only.

**CTE 444 Assessment of Learning for Career and Technical Education (3)**

This course is an introduction to developmentally appropriate evaluation of teaching and learning at the secondary level for Career and Technical programs. Requires Teacher Education Program eligibility.

**CTE 460 Practicum in CTE/FCS (3)**

Prerequisite(s): CTE 350.  
Corequisite(s): 461.  
Directed experiences including observation and participation in career technical education programs and classrooms. Provides an opportunity to observe and apply theories and concepts. Seminars will be held in conjunction with this course. Must be taken concurrently with CTE 461. Requires Teacher Education Program eligibility.

**CTE 461 Effective Teaching of CTE (3)**

Planning and implementation of instructional methods and materials in secondary career technical education, nutrition education and community education programs. Field experiences. Requires Teacher Education Program eligibility.

**CTE 475 Functions of the Coordinator (3)**

Objectives within this course meet the Alabama State Board of Education knowledge and ability rules, NCATE - affiliated specialty organizations, guidelines, and institutional standards. From the Alabama Work-Based Learning Manual (November 23, 2009): Cooperative education is supervised by a teacher who holds a Class B or higher certificate in CTE, has taken the Functions of the Coordinator or Principles of Coordination coursework, and who completes two hours of Child Labor training annually.

## Chemistry (CY)

**CY 105 General Chemistry I (3)**

Corequisite(s): CY 107.  
Part I of a two-semester sequence. General chemistry for science majors, including basic principles and laws of chemistry. Topics include measurements, dimensional analysis, reaction and stoichiometry, periodicity, atomic structure, bonding and molecular structure, and an introduction to organic chemistry.

**CY 106 General Chemistry II (3)**

Prerequisite(s): CY 105.  
Corequisite(s): CY 108.  
Part II of a two-semester sequence. Continuation of CY 105. Topics include states of matter, solutions, kinetics, equilibrium, acid-base theory, thermodynamics, and electrochemistry.

**CY 107 General Chemistry Laboratory I (1)**

Corequisite(s): CY 105.  
Basic principles of matter will be explored. Topics of experimentation include obtaining accurate measurements, identifying unknown substances from their physical and chemical properties, purifying matter, exploring gas laws, and performing an acid-base titration.

**CY 108 General Chemistry Laboratory II (1)**

Corequisite(s): CY 106.  
Topics of experimentation include qualitative analysis, exploring reaction rates, ionic equilibria, and synthesis.

**CY 115 Concepts of General Chemistry I (4)**

Prerequisite(s): EdReady placement score of MS 112 or higher.  
Part I of a two-semester sequence. General Chemistry for students who are not planning on taking any higher-level courses in chemistry. This course covers the basic principles and laws of chemistry is designed to cover a broad range of topics. Topics include measurements, the periodic table, ionic and covalent compounds, chemical reactions, energy changes, gases, liquids and solids, acids and bases and nuclear chemistry.

**CY 116 Concepts of General Chemistry II (4)**

Prerequisite(s): CY 115.  
Lecture 3 hours; Lab 3 hours. Part II of a two-semester sequence. General chemistry for students who are not planning on taking any higher-level courses in chemistry. This course is the second semester in the basic principles and laws of chemistry. Topics include organic molecules, functional groups, molecular configurations, aldehydes and ketones, carboxylic acids and derivatives, neurotransmitters, and metabolism.

**CY 231 Organic Chemistry I (4)**

Prerequisite(s): CY 106.  
Corequisite(s): CY 231 lab.  
Part I of a two-semester sequence. Structure and properties of aliphatic hydrocarbons and their halo derivatives emphasizing nomenclature, isomerism, synthesis, reactions, mechanisms and applications.



**CY 232 Organic Chemistry II (4)**

Prerequisite(s): CY 231.

Corequisite(s): CY 232 lab.

Part II of a two-semester sequence. Structure and properties of aromatic compounds, halides, carbonyl compounds, alcohols, ethers and amines, their nomenclature, synthesis, reactions, mechanisms, spectroscopy and applications.

**CY 321 Quantitative Analysis (5)**

Prerequisite(s): CY 106.

Lecture 3 hours, Lab 6 hours. Theory and practice of gravimetric, volumetric, potentiometric, and colorimetric methods of analysis.

**CY 341 Physical Chemistry I (4)**

Prerequisite(s): CY 106, MS 125, PHS 211 and 212.

Part I of a two-semester sequence. Chemical thermodynamics with emphasis on understanding physical properties of pure substances and mixtures. The course covers fundamentals of classical thermodynamics with applications to phase transitions, colligative properties, and chemical equilibria.

**CY 342 Physical Chemistry II (4)**

Prerequisite(s): CY 106, CY 341, MS 126, PHS 211 and 212.

Part II of a two-semester sequence. Fundamentals of quantum chemistry and spectroscopy. The course concentrates on fundamentals of quantum mechanics with applications to chemistry. The course also covers theoretical basis of spectroscopy, focusing on infrared, Raman, visible, and nuclear magnetic resonance techniques.

**CY 347 Concepts of Physical Chemistry (4)**

Prerequisite(s): MS 113, PHS 201, 202, CY 105 and 106.

This algebra-based course covers fundamentals of chemical thermodynamics and molecular structure with emphasis on life-science applications.

**CY 362 Biochemistry I (4)**

Prerequisite(s): CY 231.

Biochemical evolution, protein structure and function, flow of genetic information, enzymes, and enzyme kinetics.

**CY 363 Biochemistry II (4)**

Prerequisite(s): CY 232 and CY 362.

Metabolism, signal transduction, glycolysis and gluconeogenesis, citric acid cycle, oxidative phosphorylation, photosynthesis, glycogen and fatty acid metabolism.

**CY 411 Intermediate Inorganic Chemistry (5)**

Prerequisite(s): CY 106, CY 232 and PHS 202.

Lecture 3 hours, Lab 6 hours. Fundamental topics in inorganic chemistry including atomic structure, chemical bonding, periodic relationships, acid-base theories, non-aqueous solvents, and reaction mechanisms.

**CY 421 Instrumental Analysis (5)**

Prerequisite(s): CY 106, CY 321 and PHS 202.

Lecture/3 hours. Lab/6 hours. The operating principles and techniques involving the use of analytical instruments.

**CY 430 Environmental Chemistry (4)**

Prerequisite(s): CY 232 and 321.

Lecture/3 hours; Lab/3 hours. Introductions to water, air, and soil quality and their measurements. Introduction to the problems, regulations, treatment, and ultimate disposal of hazardous and toxic waste materials. Spill clean-up, groundwater transport, land disposal, incineration and treatment technologies discussed.

**CY 435 Advanced Topics in Chemistry (3)**

Prerequisite(s): CY 232.

Advanced study of various topics in chemistry and chemistry related fields. This course is intended to be offered once per year, and topic selections will vary from year to year. See instructor. May be duplicated for credit for a total of 12 semester hours.

**CY 471 Toxicological Chemistry (3)**

Prerequisite(s): CY 232.

Study of the principles of toxicology including identification of, characterization of, and risk from environmental exposures to toxic substances.

**CY 490 Internship (1)**

Prerequisite(s): Approval of instructor and availability of placement.

Student will gain on-the-job experience with a firm or government agency. Student is expected to devote a minimum of 20 hours/week to this course. Grades: Pass/Fail.

**CY 497 Chemistry Research (1)**

Prerequisite(s): Approval of department head.

The student is assigned a simple piece of fundamental research. May be duplicated for credit for a total of 3 semester hours. Grades: Pass/Fail.

## Communication (COM)

**COM 200 Introduction to Mass Communication (3)**

Prerequisite(s): EH 101 or EH 103.

A survey of the mass media and their interrelationship with each other and society. Emphasis will be placed on how mass communication functions in a multi-ethnic, multicultural, gender-diverse environment. Includes perspectives on the history and role of professionals and institutions in shaping communication.

**COM 205 Introduction to Broadcast Writing (3)**

Prerequisite(s): EH 101 or EH 101H or EH 103.

Basic writing for electronic media. Includes news, features, press releases and advertisements. Emphasis placed on how news, psa's and commercials are filtered through - and shaped by - multi-ethnic, gender-diverse writers.

**COM 301 Introduction to Television Production (3)**

Prerequisite(s): EH 101 or EH 101H or EH 103; and COM 200.

Practical training in the fundamentals of audio and video production techniques pertaining to TV studio production, including various exercises in each production area. Includes introduction to producing and directing.

**COM 302 Introduction to Audio Production (3)**

Prerequisite(s): COM 200 and COM 205 or COM 315.

Introduction to audio concepts and production methods. Includes recording, editing, control room technique, and radio station practice. Major issues include diversity and inclusiveness in mass communication.

**COM 305 Advanced Audio Production (3)**

Prerequisite(s): COM 302.

Affords the students the opportunities to sharpen their skills in the recording, editing, and mastering of audio for various media venues. Students will choose one of three "tracks" of interest that permits them to either: 1. Work alongside video production and editing students in a post-production environment; 2. Record and produce two tracks for a contemporary musical or spoken work CD; or 3. Record and produce a series of commercials of varying length for local merchants.

**COM 307 Media Literacy (3)**

Learn analytical and critical skills to develop an awareness and understanding of the effects of media, including profit and emotional strategies, portrayals of diversity, stereotypes, love, myths, and other issues.

**COM 315 Introduction to News (3)**

Prerequisite(s): EH 101 or EH 101H, or EH 103; EH 102 or EH 102H or EH 104, and COM 200.

Fundamentals of news reporting, writing and copy editing for digital media, dealing with modern newsroom issues, including diversity, community involvement and convergence. Requires out-of-class assignments.

**COM 317 Editing (3)**

Prerequisite(s): COM 315 or COM 205.

Teaches skills for copy editors and others in the processing of news, features, and press releases. Students learn to question statements of fact, challenge assumptions, edit for length, taste, ethics, and libel while correcting errors of both grammar and style, according to the Associated Press Stylebook.

**COM 320 Video Production and Editing (3)**

Prerequisite(s): COM 301.

Videography and editing of programs and/or announcements produced with portable equipment. Students produce, direct, write, shoot, and edit individual productions. Productions regarding diversity issues are required.

**COM 325 Publication Design (3)**

Prerequisite(s): COM 205 or 315.

Arranging and editing text, photographs, graphics and other materials from diverse sources for digital media.

**COM 330 Introduction to Public Relations (3)**

Prerequisite(s): EH 101 or EH 101H or EH 103, and COM 200.

Basic concepts of public relations, including history, theory, organization and ethics. Writing emphasized. Major issues include diversity and inclusiveness in communication and public relations.

**COM 340 Public Relations Writing (3)**

Prerequisite(s): COM 330.

The development of professional public relations writing skills. Effective methods of conceptualizing, researching and presenting information to the relevant publics. Major issues include diversity and inclusiveness in communication and public relations.

**COM 345 Social Media and Society (3)**

Prerequisite(s): EH 102 or EH 104.

What are social media, who uses them, who gains from them, and how are they transforming the media landscape and the way we communicate? Students will become familiar with a range of social media tools, analyze and discuss their uses and implications, and develop participation literacy. They will have the opportunity to explore both theory and practice of social media through writing assignments, interactive assignments, and course projects.

**COM 350 Announcing (3)**

Fundamentals of voice and diction applied to audio and video media delivery. Includes commercials, news, interviews, and ad-lib announcing.

**COM 358 Communication Theory (3)**

Prerequisite(s): COM 200, Junior standing or instructor's permission.

Theories of the processes and effects of mass communication, including the discussion and analysis of research findings on race, gender, and ethnicity. Also deals with numbers for journalists - basic math and statistics for journalists.

**COM 375 Internet Production (3)**

Prerequisite(s): Junior standing and COM 205 or COM 315 or special permission of instructor.

This course focuses specifically on online journalism techniques; reporting, writing, and editing news/information for interactive media, particularly the Internet. Covers web usability, web design and HTML authoring while requiring both journalistic and computer skills.

**COM 380 Communication Law (3)**

Prerequisite(s): Junior Standing and permission of instructor.

Study of legal systems of state and nation as related to media, including libel, privacy, copyright, access, contract, and First Amendment issues. Emphasis on gender, religion, ethnic diversity, and sexual orientation issues as they apply to communication law.

**COM 385 Multimedia Design (3)**

Prerequisite(s): COM 301 or COM 302, COM 325, and COM 375.

Students will practice and develop the skills necessary for planning and producing effective multimedia programs. They will be introduced to planning strategies, production techniques, and software involved in multimedia production. Each student will demonstrate basic proficiencies across a wide spectrum of multimedia. Emphasis will be on visual, audio, and typographic design as well as the appropriateness of these elements for specific goals. The use of advanced electronic technologies will also be emphasized. Through a series of individual component assignments, students will develop a capstone multimedia presentation to be included in their portfolio.

**COM 395 Ethics and Global Journalism (3)**

Prerequisite(s): Junior standing or permission of instructor.

The ethical foundations of the media and their interrelationships with the public and the government. The range of systems of freedom of expression around the world and their ethical implications. The diversity of peoples and cultures and the ethical significance of mass communications in a global society.

**COM 400 Public Relations Case Studies (3)**

Prerequisite(s): COM 330.

The development of public relations practice skills based on the analysis of contemporary and historical case studies. Major issues include diversity and inclusiveness in communication and public relations.

**COM 401 Media Advertising and Sales (3)**

Prerequisite(s): EH 101, EH 101H or EH 103 and Junior standing.

Theory and application of advertising, sales, and copywriting in the mass media.

**COM 404 Media Workshop (1)**

Prerequisite(s): Approval of instructor.

Supervised assignments demonstrating development of high-level competencies and skills in various areas of the media.

**COM 405 Media Workshop (1)**

Prerequisite(s): COM 404 and permission of instructor.

Supervised assignments demonstrating development of high-level competencies and skills in various areas of the media.

**COM 406 Media Workshop (1)**

Prerequisite(s): COM 405 and permission of instructor.

Supervised assignments demonstrating development of high-level competencies and skills in various areas of the media. This course can be taken concurrently with COM 407, if necessary.

**COM 407 Advanced Media Workshop (1)**

Corequisite(s): COM 406; and permission of instructor.

Prerequisite or Advanced assignments demonstrating development of higher-level competencies and skills in various areas of media.

**COM 408 Advanced Media Workshop (1)**

Prerequisite(s): COM 407 and permission of instructor.  
Advanced assignments demonstrating development of higher-level competencies and skills in various areas of media. This course can be taken concurrently with COM 411.

**COM 410 Media Features (3)**

Prerequisite(s): COM 315 and approval of instructor.  
Principles and practices of writing features. Requires out-of-class assignments. Major subjects include diversity and inclusiveness in journalism and mass communication.

**COM 411 Advanced Media Workshop (1)**

Corequisite(s): COM 408 and permission of instructor.  
Prerequisite or Advanced assignments demonstrating development of higher-level competencies and skills in various areas of the media.

**COM 415 Mass Communication Research (3)**

Prerequisite(s): COM 200 and second semester junior in Communication.  
Corequisite(s): MS 110 or MS 204.  
Prerequisite or Fundamentals of research methodologies in mass communication. Prepares students to become familiar with, and develop the understanding and ability to apply social science research concepts to mass communication problems. Major topics to include, among others, sampling, survey research, basic statistics, and diversity issues in mass communication research.

**COM 420 Advanced Reporting (3)**

Prerequisite(s): COM 315, COM 380, COM 395, and COM 415.  
News gathering and writing for the digital media with emphasis on deadline and beat reporting. Copy editing is included as are modern newsroom issues, such as diversity and community involvement. This is a capstone course - a culminating experience that integrates coursework, knowledge, skills and other experiences in digital journalism. It serves as a venue for learning outcomes assessment.

**COM 425 Media Management (3)**

Prerequisite(s): Junior standing and approval of instructor.  
Principles and practices for management of print and electronic media facilities.

**COM 440 Public Relations Campaign Management (3)**

Prerequisite(s): COM 330, COM 340, COM 380, COM 395, COM 400 and COM 415.  
The use of effective principles and techniques to plan, execute, and evaluate public relations campaigns. This is a capstone course, a culminating experience that integrates coursework, knowledge, skills and other experiences in public relations. Major subjects include diversity in communication and public relations issues. It serves as a venue for learning outcomes assessment.

**COM 470 Advanced Electronic News (3)**

Prerequisite(s): COM 320, COM 380, COM 395, and COM 415.  
Principles and practices for gathering, writing, reporting and producing news for electronic media. Requires out-of-class assignments. This is a capstone course - a culminating experience that integrates coursework, knowledge, skills and other experiences in broadcast journalism. Major subjects include diversity in communication. It serves as a venue for the learning outcomes assessment.

**COM 475 Directed Study (3)**

Prerequisite(s): Approval of instructor.  
Supervised study permitting students to pursue specific areas of interest in communication.

**COM 491 Internship (3)**

Prerequisite(s): Completion of specified Communication course requirements and approval of the internship coordinator.  
Supervised on-the-job experience with an appropriate media facility.

## Computer Science (CS)

**CS 201 Introduction to Information Technology (3)**

A brief exposure to theory and operations of information technology. Concepts presented include computer systems, hardware and software. Hands-on experience with selected productivity software packages. (Department credit not given for CS/CIS majors and/or minors.)

**CS 202 Honors Introduction to Information Technology (3)**

Prerequisite(s): ACT score of 24 or above or SAT of 520 or above and basic computer proficiency.  
Advanced coverage of the theory and operations of information technology. Hands-on experience with selected popular software packages for Web and program design. (Department credit not given for CS/CIS majors or minors.)

**CS 230 Fundamentals of Computing (3)**

Lecture 1 hour, Lab 2 hours. Sets, functions, propositional logic, number systems, data representation, binary arithmetic. Problem solving tools and techniques. Control structures. Data structures. Implementation using a high-level language. (Open to any major, but required for CS/CIS majors.)

**CS 231 Computer Programming I (3)**

Prerequisite(s): CS 230 and overall GPA of 2.0 or higher and MS 112 or higher level mathematics or a satisfactory score on the departmental placement test.  
Algorithmic problem solving. Modular programming. Strings, multi-dimensional arrays, records, dynamic linked lists. Documentation. Testing and debugging. Developing robust, user-friendly programs. Integral, scheduled laboratory. Lecture 2 hours, Lab 1 hours.

**CS 232 Computer Programming II (3)**

Prerequisite(s): CS 231.  
Advanced problem solving. Efficiency and reuse. Abstract Data Types. Object-Oriented programming. Dynamic data structures: linked lists, queues, stacks. Recursive functions and procedures. Integral, scheduled laboratory. Lecture 2 hours, Lab 1 hour.

**CS 234 Discrete Computational Structures (3)**

Prerequisite(s): CS 230 and MS 112 or higher.  
Introduction to concepts, terminology and manipulative skills associated with combinatorial structures and logic. Sets and functions, partially ordered sets, trees and graphs, algorithms and induction. Boolean algebra and introduction to symbolic logic.

**CS 300 Microcomputing (3)**

Prerequisite(s): CS 232.  
Examination of micro-computers and their role in small to medium firms. Emphasis on applications, I/O operations and file handling in a laboratory environment.

**CS 302 Database Applications (3)**

Prerequisite(s): CS 231 with a C or better.  
Introduction to database management systems using a current DBMS package; development of menu-driven database applications.

**CS 304 Technical Writing for Computer Science (3)**

Prerequisite(s): EH 102 and CS 230.

Introduction to the writing tasks necessary of computer technology professionals. Covers skills necessary to prepare the technical reports, presentations, and documentation specific to the information technology environment.

**CS 305 Spreadsheet Modeling (3)**

Prerequisite(s): MS 112 or higher and CS 201.

The use of spreadsheet software in modeling business problems. Extensive hands-on use of spreadsheets is required. (Department credit not given for CS/CIS majors or minors.)

**CS 307 Management of Information Security and Forensics (3)**

Prerequisite(s): CS 201.

Study of information security and digital forensics using practical case studies. Emphasis is on developing security policies, security management and practices, utilization of digital forensic tools and techniques, risk management, security project management, and protection mechanisms. Major components of the course are hands-on projects on digital forensic investigation and security management case studies. (CS 307 is cross-listed with EM 325, but only one course can be counted for credit.)

**CS 308 Embedded and Control Systems Security (3)**

Prerequisite(s): CS 231.

A study of embedded system architectures, security, and digital forensics, the role of hardware abstraction layers and middleware, real-time OS issues such as concurrency, synchronization, and resource management, and the components and applications of industrial control systems. Laboratory activities include: ladder logic programming, embedded systems programming, and digital forensics for microcontrollers, mobile computing platforms, and industrial control systems.

**CS 309 Introduction to E-Commerce (3)**

Prerequisite(s): CS 201.

This course focuses on a rich variety of models and strategies for connecting individuals, businesses, governments, and other organizations to each other. The topics covered in the course will span value and supply chain concepts, varying business relationship types, as well as obligations for protection of individual privacy and organizational security.

**CS 310 Software Engineering I (3)**

Prerequisite(s): CS 232.

Introduction to the systems development life cycle, software development models, analysis and design techniques and tools, and validation and verification testing. Emphasis and experience will be on software engineering within a team environment.

**CS 311 Management Information Systems (3)**

Prerequisite(s): CS 309.

Study of the systems concept and its relationship to information requirements for decision making and management in traditional and e-commerce environments.

**CS 312 Software User Documentation (3)**

Prerequisite(s): CS 310 and EH 102.

Introduction to writing, analyzing, and evaluating effective software documentation. Exposure to proposal writing. Emphasis on writing software user manuals.

**CS 315 Intro to Web Design (3)**

Prerequisite(s): CS 201.

Step-by-step process of creating a well-designed website. Emphasizes web design techniques resulting in fast-loading and well-placed graphics, cohesive color and typography across platforms and browsers, clear navigational interface, and appropriate use of sound and video. Includes studio component where students analyze, design, and implement websites.

**CS 322 Document Management (3)**

Prerequisite(s): CS 304.

Trains students to manage dynamic documents as well as apply document imaging technologies to achieve a paperless office environment. Students will learn about the technology of scanning, importing, transmitting, organizing, indexing, storing, protecting, locating, controlling, authenticating, retrieving, viewing, printing, and preserving documents for document imaging systems and digital libraries. This course has direct implications for project management and information assurance, among other topics that will be addressed.

**CS 325 Web Scripting (3)**

Prerequisite(s): CS 315 or CS 231.

A practical hands-on introduction to web scripting for writing client-side scripts. Topics include fundamentals of scripting as a web programming language, scripting techniques and programming concepts such as control structures, data structure, objects, event handling, and functions. Multiple scripting languages will be used for the hands-on projects.

**CS 331 Data Structures and Algorithms (3)**

Prerequisite(s): CS 232.

Design, analysis, and implementation of fundamental data structures: trees, heaps, and graphs. Basic algorithmic analysis and strategies. Basic computability and introduction to distributed algorithms.

**CS 333 Computer Organization and Architecture (3)**

Prerequisite(s): CS 232.

Digital logic; instruction set architecture and computer organization; memory systems; functional organization; interfacing and communication; multiprocessing and alternative architectures.

**CS 339 Game Design I (3)**

Prerequisite(s): EH 102 and either CS 201 or CS 230.

Principles of game design. Covers analysis of genres; gameplay; conceptual design; story and character development, effects of art, lighting, and sound; interface design; level design; and the business of game development.

**CS 340 Discovering Genomics and Bioinformatics (3)**

Prerequisite(s): CS 230.

The course provides a fundamental background in bioinformatics, both theoretical (bioinformatics algorithms) and practical (databases and web-based tools used to study problems in biology), to students in computer science or in biological sciences. Introduction to the biological problems addressed in this course will be provided, as well as a formal definition of the computational problems and a deep exploration of the algorithms for solving these problems. Practical use of topics introduced in class is demonstrated by laboratory exercises and homework problems. Students are grouped for class projects such that each group contains at least one life scientist and one computer scientist. (CS 340 is cross listed with BY 340, but only one course may be taken for credit.)

**CS 350 Fundamentals of Computer Operating Systems (3)**

Prerequisite(s): CS 232.

Overview of operating system concepts and structures. Study of process management including synchronization techniques for cooperating processes, main memory management including virtual memory systems, system resource allocation and deadlocks, file system implementation, secondary storage management and input/output subsystems.

**CS 370 COBOL for Information Systems (3)**

Prerequisite(s): CS 232.

An introduction to solving business problems using structured programming techniques and methodology for both interactive and batch processing. Integral, scheduled lab. Lecture/2 hours, lab/1 hour.

**CS 399 Study Tour (3)**

Topics, excursions and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advanced deposit required.

**CS 400 Business Information Management (3)**

Prerequisite(s): CS 201 or equivalent.

Study of terminology and concepts of computer-based management information systems. Emphasis on applications for developing and managing World-Wide Web page information. (Department credit not given for CS/CIS majors and/or minors.)

**CS 412 Disaster Response & Recovery (3)**

Prerequisite(s): CS 201.

How people, groups, organizations, communities and governments manage disasters in the immediate aftermath and recover from their effects, including social, physical, business, and infrastructure problems as well as intra and inter-organizational issues. (CS 412 is cross-listed with EM 411, but only one course can be counted for credit.)

**CS 415 Dynamic Web Application (3)**

Prerequisite(s): CS 488.

The course will present dynamic web based application architecture, web scripting languages syntax, principles and techniques for developing database driven web applications using multiple web scripting languages. Students will gain the experience in web scripting programming via the completion of a series of practical dynamic website projects.

**CS 420 Algorithms Design/Analysis (3)**

Prerequisite(s): CS 331.

Survey of design and analysis of efficient algorithms. Introduces methods of describing algorithm time and space complexity and various problem-solving techniques.

**CS 425 Web Application Development Using Web Services (3)**

Prerequisite(s): CS 310 or equivalent.

Undergraduate Prerequisite: CS 310. Graduate Introduction to technologies and tools for developing Web applications using Web Services, emphasizing organizational issues, challenges, and security concerns related to the effective deployment of those applications.

**CS 430 Human-Computer Interaction (3)**

Prerequisite(s): CS 232.

Human-computer interface, human performance, diversity, and mental models, interaction devices, dialog styles, interface styles, error handling, documentation, and evaluation of software interface designs.

**CS 432 Computer Graphics (3)**

Prerequisite(s): CS 232 and MS 113 or equivalent.

Hardware and software components of computer graphic systems, input representation, and transformation of graphic information. Two-dimensional and three-dimensional transformations; perspective, hidden-line algorithms, shading. Interactive graphics. Survey of applications.

**CS 438 Introduction to Business Intelligence and Data Mining (3)**

Prerequisite(s): CS 488.

Introduction to business intelligence and data mining methodologies and tools that enable users to analyze big data and develop insight for decision making. This course provides students thorough conceptual framework and practical experience in business intelligence, data mining methods, predictive analysis, information quality and data warehousing management. Hands-on assignments will apply the skills learned.

**CS 439 Game Design II (3)**

Prerequisite(s): CS 232 and CS 339.

Principles of game development. Covers relevant game mathematics and data structures; selected AI topics common to game development; programming techniques and optimization techniques; game engines; and software engineering and project management for game development.

**CS 444 Artificial Intelligence (3)**

Prerequisite(s): CS 331 or permission of instructor.

Introduction to the principles and methods used in artificial intelligence programs with a focus on autonomous agents.

**CS 450 Computer Networking (3)**

Prerequisite(s): CS 350. Graduate Prerequisite

Study of the computer interconnection and protocols with emphasis on network layers, error detection/correction, and topologies; project approach utilized. Graduate Prerequisite: Undergraduate operating systems course or equivalent.

**CS 453 Theory of Languages and Automata (3)**

Prerequisite(s): CS 232.

Formal representations for language syntax and semantics, underlying language theory. Study of automata theory: finite automata, pushdown automata, and Turing machines.

**CS 461 Critical Infrastructure (3)**

Prerequisite(s): CS 201.

Identifies what constitutes critical infrastructure including cyber as well as physical infrastructure. Evaluation of strategies for promoting vulnerability assessments and risk reduction, and protection of critical infrastructures are examined. (CS 461 is cross-listed with EM 461, but only one course can be counted for credit.)

**CS 462 Ethics and Legal Issues (3)**

Prerequisite(s): CS 310 or approval of instructor.

An overview of legal, ethical, global and professional issues in computing.

**CS 464 Honors Ethics and Legal Issues (3)**

Prerequisite(s): Completion of CS 310 (B or above) or permission of the instructor.

This course is an advanced (honors) course that provides an overview of the legal, ethical, global and professional issues in computing. This course will enable students to identify ethical issues in technology, perform ethical analyses using a variety of ethical theories, and to critically read professional literature in the field. Students will develop an awareness of ethical issues in technology, including, but not limited to, the Internet (e.g. freedom of expression on the Internet), Intellectual Property rights, Privacy, Security, Reliability, Professional ethics, Employment issues and technology, and Plagiarism, and apply ethical theories to issues in those domains.

**CS 470 Computer Security (3)**

Prerequisite(s): Undergraduate operating systems course or equivalent. Undergraduate Prerequisite: CS 350. Graduate Study of network security architectures and models, cryptography, authentication and authorization protocols, secure application and systems development, federal regulations and compliance. Emphasis is on security professional certification.

**CS 488 Database Systems (3)**

Prerequisite(s): CS 232.

Concepts and terminology associated with data structure, file organization, access methods, packaged systems, database design and database systems.

**CS 491 Software Engineering II (3)**

Prerequisite(s): CS 310.

This course is a continuation of software engineering that emphasizes the entire software process, developing and using process and product metrics, and managing software projects. Both individual and team projects will develop student expertise.

**CS 499 Special Topics (1-6)**

Prerequisite(s): Senior status and approval of department head.

Exposes student to current or developing topics in computer science or computer information systems. Projects/topics are jointly selected by student and computer science instructor. This course can be taken multiple times of variable credit hours up to a total maximum of six credit hours.

## Criminal Justice (CJ)

**CJ 101 Introduction to Criminal Justice (3)**

Survey of the agencies and processes involved in the Criminal Justice System: the police, the prosecutor, the public defender, the courts, and corrections.

**CJ 200 Introduction to Corrections (3)**

Prerequisite(s): CJ 101.

Philosophical foundations of punishments, historical developments in American penology. Corrections in contemporary America.

**CJ 201 Criminal Law (3)**

Prerequisite(s): CJ 101.

Analysis of the origin and sources of criminal law as well as definition of parties to crimes and affirmative defenses. Discussion of specific crimes of common law and in state and national statutes.

**CJ 202 Introduction to Law Enforcement (3)**

Prerequisite(s): CJ 101.

The development of contemporary American Police. Law enforcement role, philosophy, values, culture, discretion, organizational control, accountability, corruption, misconduct, police-community relations, and future trends.

**CJ 205 Legal Research and Records (3)**

Prerequisite(s): CJ 101.

To develop essential legal research skills and knowledge about acquiring legal information from the statutes, case-law books, legal records, on-line data retrieval services and other legal resources, and to know the essential content of key reports and documents currently used in the courts.

**CJ 225 Criminal Courts (3)**

Prerequisite(s): CJ 101.

An analysis of the roles of the Criminal Courts in their interactions with the major participants in the Criminal Justice System; the Court structure and functions; selected critical cases and key issues, such as sentencing and plea bargaining.

**CJ 300 Theories of Crime Causation (3)**

An examination of biological, psychological, sociological, political and economic theories of crime causation.

**CJ 302 Research Methods (3)**

Prerequisite(s): CJ 101.

An introduction to the theory, design, collection, and analysis of data in criminal justice research.

**CJ 304 Introduction to Forensic Investigation (3)**

Prerequisite(s): CJ 101.

Introduction to the development of Forensic Investigations and its contribution to the Criminal Justice System and the applications of the scientific discipline to the examination and analysis of physical evidence.

**CJ 310 Criminal Behavior and Rehabilitation Strategies (3)**

Prerequisite(s): CJ 200.

A study of criminal behavior from a psychological perspective with correctional rehabilitation programs and strategies serving as the focus. The effectiveness of various correctional institutions and their programs and strategies will also be examined.

**CJ 311 Correctional Techniques (3)**

Prerequisite(s): CJ 200.

An introduction to correctional strategies and the theories on which they are based. Among the topics discussed are counseling, psychotherapy and psychoanalysis, humanistic psychology, learning theory, and behavior modification. This course will also provide an in-depth examination of both assessment and counseling strategy effectiveness with offender populations.

**CJ 315 Community Based Corrections (3)**

Prerequisite(s): CJ 200.

A survey of non-institutional correctional programs focusing on alternatives to incarceration in community settings. Programs reviewed include prerelease, parole, halfway houses, restitution centers, probations, and community correctional centers.

**CJ 320 Criminal Investigations (3)**

Prerequisite(s): FI 204, CJ 202 or CJ 304.

Practical application of investigative techniques for specific crimes such as sex offenses, murder, robbery, arson, assaults, and fraud cases.

**CJ 322 Juvenile Agencies (3)**

Prerequisite(s): CJ 200 or CJ 205.

Examination of the historical aspects of the juvenile justice system with emphasis on juvenile rights in the present juvenile court system and pretrial techniques.

**CJ 352 Evidence (3)**

Prerequisite(s): CJ 225 or CJ 325.

Analysis of the rules of evidence, their origins, and types. Constitutional limitations upon their use, methods of safeguarding their value. The trial and techniques for testifying.

**CJ 353 Correctional Law (3)**

Prerequisite(s): CJ 200 or CJ 205.

Legal problems of the convicted from conviction to release; pre-sentence investigation, sentencing, civil rights loss and restoration, and other legal problems confronting the convicted.

**CJ 361 Constitutional Law (3)**

Prerequisite(s): CJ 101.

Analysis of the Constitution of the United States as it affects the law enforcement and corrections field, to wit: the 1st, 4th, 5th, 6th, and 8th Amendments to the Constitution.

**CJ 362 Constitutional Law II (3)**

Prerequisite(s): CJ 361.

A study of constitutional issues in the administration of justice, fair trial guarantees, humane punishment, and the civil and criminal liability of criminal justice professionals.

**CJ 363 Foundations of Law Enforcement (3)**

Prerequisite(s): CJ 202.

An examination of the foundations of American law enforcement from its cultural heritage in England to the present.

**CJ 368 Forensic Osteology (3)**

Prerequisite(s): FI 310 or CJ 430.

This course presents the protocol for forensic osteology with regard to the examination of skeletal elements. Identification and physical morphology related medicolegal problems will be emphasized. Assessment of human or non-human; time since death and cause of death. Proper recovery of skeletal remains as well as other evidentiary items.

**CJ 370 Police Administration (3)**

Prerequisite(s): CJ 202.

Organizational structure and coordination of all branches of law enforcement agencies; police, staff, and auxiliary function; their interrelationships and interdependence.

**CJ 377 Independent Study in Criminal Justice (3)**

Prerequisite(s): Junior standing with 18 hours in CJ or FI. An opportunity for the advanced student to explore an area of special interest.

Students must have a supervising criminal justice faculty member agree to a written proposal or outline for an appropriate topic for study and then must secure the approval of the department head.

**CJ 378 Advanced Seminar in Criminal Justice (3)**

Prerequisite(s): Junior standing with 18 hours in Criminal Justice or Forensic Investigations or department head approval.

An in-depth study of current issues in criminal justice. The content will vary each semester. May be duplicated for a total of six (6) semester hours.

**CJ 379 Advanced Seminar in Criminal Justice (3)**

Prerequisite(s): Junior standing with 18 hours in Criminal Justice or Forensic Investigations or department head approval.

An in-depth study of current issues in criminal justice. The content will vary each semester. May be duplicated for a total of six (6) hours.

**CJ 395 Crime Prevention (3)**

Prerequisite(s): CJ 101.

Analysis of the roles of the Criminal Justice System and the private sector in preventing crime. Community involvement as a source of preventing crime. Crime prevention strategies and techniques for evaluating prevention programs.

**CJ 399 Study Tour (3)**

Topics, excursions, and requirements determined by the department. May be duplicated for credit up to 6 hours. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.

**CJ 400 Protective Systems (3)**

Prerequisite(s): CJ 101.

The criminal threat, protective system concept; systems configuration and cost benefit analysis of currently available protective systems.

**CJ 402 Police and Community Relations (3)**

Prerequisite(s): CJ 202.

Study of the numerous and complex factors involved in the area of human relations as it affects policing and police management.

**CJ 405 Judicial Administration (3)**

Prerequisite(s): CJ 325.

Advanced study of the workings of the state and federal court systems, with a focus on the administrative support agencies of the courts including the responsibilities of clerks of courts, courts administrators, with an examination of careers in the court systems of the states and federal government, and the issues facing the judiciary.

**CJ 410 Correctional Administration (3)**

Prerequisite(s): CJ 200.

Advanced study of the workings of the state and federal prison systems, and local jails. The application of the theories of organization, management and public administration to the operations of correctional units, policy matters, and other issues facing corrections.

**CJ 411 Victimless Crimes (3)**

Prerequisite(s): Junior Standing with 18 hours of CJ or FI. Study of controversial area of law that deals with consensual crimes.

Topics to be included for discussion may be drugs; obscenity and pornography; prostitution; gambling. The history of legislative enactments and judicial decisions will be dealt with, as well as the social and political implications of enforcement to both police agencies and their clients.

**CJ 417 Criminal & Deviant Behavior (3)**

Prerequisite(s): CJ 300, CJ 304, FI 304 or SY 320.

An analysis of criminal and deviant behavior systems with an emphasis on classical and contemporary theories of crime causation.

**CJ 420 Probation and Parole (3)**

Prerequisite(s): CJ 200 or CJ 202.

Development, organization, operation of probation and parole with emphasis on alternatives to incarceration.

**CJ 430 Criminalistics (3)**

Prerequisite(s): FI 204 or CJ 304.

Methods of scientific analysis, comparison and identification of physical evidence; blood and body fluids, casts and molds, detective dyes, fingerprints, and trace evidence.

**CJ 456 Homicide Investigation (3)**

Prerequisite(s): FI 204 or CJ 304.

Special problems involved in homicide investigation including the forensic autopsy.

**CJ 463 Crime Scene Processing (3)**

Prerequisite(s): FI 204 or CJ 304.

In-depth and practical look at various types of physical evidence and methods by which evidence is collected and transported to forensic crime laboratories.

**CJ 464 Interviews/Interrogations (3)**

Prerequisite(s): FI 204, CJ 200 or CJ 202 or CJ 304.

Discussions and practical exercises covering the various techniques used by criminal justice practitioners to elicit information from witnesses and criminal suspects.

**CJ 465 Interviews and Interrogations (3)**

Prerequisite(s): FI 204, CJ 200 or CJ 202 or CJ 304.

Discussions and practical exercises covering the various techniques used by criminal justice practitioners to elicit information from witnesses and criminal suspects.

**CJ 466 Drugs of Abuse (3)**

Prerequisite(s): BY 102 and BY 104 or CY 106 and CY 108; CJ 430, FI 310 or NU 306.

Drugs of abuse, their field identification and drug abuse education.

**CJ 467 Trace Evidence (3)**

Prerequisite(s): BY 102 and BY 104 or CY 106 and CY 108; CJ 430 or FI 310.

Review of techniques used in the analysis of hairs, fibers, and minute items of evidence related to criminal matters.

**CJ 471 Internship in Criminal Justice (3)**

Prerequisite(s): Junior standing, consent of Internship Director, and only for students majoring in Criminal Justice.

Students must also possess an overall 2.5 GPA to participate with a municipal or county agency and a 3.0 overall GPA to participate with a state or federal agency. Supervised work experience in an approved Criminal Justice agency. The student is required to attend a pre-announced orientation meeting prior to beginning internship. (Not open to in-service personnel or those with prior CJ work experience unless approved by Internship Director.)

**CJ 472 Senior Internship in Criminal Justice (3)**

Prerequisite(s): Senior standing, consent of Internship Directory, and only for students majoring in Criminal Justice.

Student must also possess an overall 2.5 GPA to participate with a municipal or county agency and a 3.0 overall GPA to participate with a state or federal agency. Supervised work experience in an approved Criminal Justice agency. The student is required to attend a pre-announced orientation meeting prior to beginning internship and additional scheduled meetings with the Internship Director. (Not open to in-service personnel or those with prior CJ work experience unless approved by Internship Director.) This is a Senior Capstone course, and satisfactory work requires completing the EPP and other senior exit-requirements.

**CJ 488 Seminar Series (1)**

Prerequisite(s): Junior standing with 18 hours in C.J. Seminar series dealing with current topics and issues in the field.

No more than 6 hours credit may be earned.

**CJ 497 Senior Seminar I (3)**

Prerequisite(s): Senior standing in the Criminal Justice major or Forensic Investigation major and completion of all other criminal justice or forensic investigation core requirements.

Capstone course which utilizes the student's knowledge and academic skills, including pursuing archival research, journal keeping, note taking and report writing to address a topic or issue of contemporary interest in criminal justice or one of its sub-fields. While the topic or issue may change with each offering, the skills exercised will be those needed to prepare the senior in criminal justice professions.

**CJ 498 Senior Seminar II (3)**

Prerequisite(s): Senior standing in the Criminal Justice or Forensic Investigation major and completion of all other criminal justice or forensic investigation core requirements.

Capstone course which utilizes the student's knowledge and academic skills, including pursuing archival research, journal keeping, note taking and report writing to address a topic or issue of contemporary interest in criminal justice or one of its sub-fields. While the topic or issue may change with each offering, the skills exercised will be those needed to prepare the senior for careers in criminal justice professions.

**CJ 499 Senior Seminar III (3)**

Prerequisite(s): Senior standing in the Criminal Justice or Forensic Investigation major and completion of all other criminal justice or Forensic Investigation core requirements.

Capstone course which utilizes the student's knowledge and academic skills, including pursuing archival research, journal keeping, note taking and report writing to address a topic or issue of contemporary interest in criminal justice or one of its sub-fields. While the topic or issue may change with each offering, the skills exercised will be those needed to prepare the senior for careers in criminal justice professions.

## Drama (DR)

**DR 230 Introduction to Filmmaking (3)**

Study of the film-making process from concept to completion with special emphasis on the relationship between various jobs of the production team.

**DR 231 Film Technology Foundations (3)**

Introduction to film production and technical crew positions. Best practices and techniques in lighting, audio, grip and other production positions with an emphasis on recognized safety standards.

**DR 232 Film Technology Foundations II (3)**

Prerequisite(s): DR 231.

Advanced techniques in film production and technical work.

**DR 235 Camera and Film Techniques (3)**

Prerequisite(s): DR 231.

Introduction to camera set up, operation, types and lenses. Basic film techniques, including composition, setting up shots, and introductory editing.

**DR 241 Acting (3)**

Focuses upon the actor's approach to developing a role through points of training including improvisation, character and scene study, and analysis.

**DR 242 Introduction to the Theatre (3)**

The appreciation of theatre as an expressive art form and as a business. A general survey of acting, directing, designing, playwriting, and audience participation.



**DR 250 Student's Theatre (1)**

Active participation in the department's plays in the areas of scenery construction, painting, lighting, costumes, and make-up. This course is repeatable for a maximum of two (2) credit hours.

**DR 252 Honors Introduction to the Theatre (3)**

Advanced strategies for developing an appreciation for theatre as an art form.

**DR 280 Play Analysis (3)**

A study of analytical tools and critical approaches to theatrical texts for production, design, and performance.

**DR 281 Dramatic Laboratory (1)**

Experiments in the basics of acting. Limit 1 hour credit per semester.

**DR 284 Stage Crafts (3)**

Introduction to physical theatres, scenery construction and painting, properties, lighting, and sound.

**DR 285 Elements of Design (3)**

An introduction to the principles and techniques of theatrical design.

**DR 290 Speech for the Performing Arts (3)**

A course designed to improve diction, pronunciation, accent, reading, and intonation.

**DR 331 Techniques for High Definition Cinematography (3)**

Prerequisite(s): DR 231, 232, and 235.

Advanced lighting and electronic imagery control in high definition cinematography. Experiences with light meters and digital single-lens reflex cameras.

**DR 342 Directing (3)**

Prerequisite(s): DR 241 and approval of instructor.

Fundamental principles of theatrical directing.

**DR 343 Auditioning (2)**

Prerequisite(s): DR 241.

Exercises in preparing actors for auditions and portfolio review.

**DR 344 Careers in Performance (3)**

Prerequisite(s): DR 241, DR 290, and DR 343.

An advanced acting course concentrating on the performance and business aspects of acting professionally.

**DR 345 Portfolio Development for Theatre (2)**

Prerequisite(s): Permission of instructor.

Techniques for the development and presentation of a professional portfolio for theatrical designers, technicians and stage managers.

**DR 349 Theatre Practicum (1)**

Active participation in the department's plays in the areas of scenery construction, painting, lighting, costumes, make-up, management or performance. Production assignments arranged through drama faculty. May be repeated for credit up to a maximum of two (2) hours.

**DR 351 Playwriting and Screenwriting (3)**

Prerequisite(s): DR 242.

Study of basic script and screenplay writing techniques and the development of skills for writing scripts and screenplays.

**DR 354 Movement for the Stage (3)**

The examination and application of the theories of stage movement and the metakinetic process. Emphasis placed on the imaginative and artistic use of the whole body in the development of acting roles, including stage combat.

**DR 361 Theatre History I (3)**

Conditions under which the great plays of the world have been produced. Audience, actors, patrons, physical conditions, architecture, and the relation to the other arts: Antiquity to 1600.

**DR 362 Theatre History II (3)**

Conditions under which the great plays of the world have been produced. Audience, actors, patrons, physical conditions, architecture, and the relation to the other arts: 1600 to present.

**DR 371 Theatrical Design I (3)**

Principles and problems of staging in arena, thrust, proscenium, and flexible theatres. Designs for settings of plays in models and perspective rendering.

**DR 372 Theatrical Design II (3)**

Principles and problems of staging in arena, thrust, proscenium, and flexible theatres. Designs for settings of plays in models and perspective rendering.

**DR 375 Stage Management (2)**

A practical study of stage management duties, responsibilities, procedures, and organization during auditions, rehearsals, production meetings, and performance.

**DR 377 Costume Design I (3)**

Exploration of basic design elements and fabrics and their culmination into stage costume: period, character, and stylized.

**DR 378 Costume Design II (3)**

Exploration of basic design elements and fabrics and their culmination into stage costume: period, character, and stylized.

**DR 381 Dramatic Laboratory (1)**

Experiments in the basics of acting. Limit 1 hour credit per semester.

**DR 383 Puppetry (3)**

Scope and development of puppetry throughout the world. Practical experience in the design, making, and performing puppets.

**DR 385 Stage Carpentry (3)**

3. A practical carpentry course that explores specialized woodworking and finishing techniques for the stage including scenery, furniture, tools, and materials.

**DR 386 Stage Lighting (3)**

Principles and problems of lighting for mood and effect in play production.

**DR 387 Stage Makeup I (3)**

Creation of straight, character, middle-age, old-age, beards, rubber prosthesis, and stylized make-up to aid the actor.

**DR 388 Stage Costume History (3)**

History of costume as to styles, period fabrics, construction, and movement for theatrical performance.

**DR 389 Sound Design and Production (3)**

Introduction to the principles of sound and the equipment used in sound production with an emphasis on digital audio, computer based editing, and Midi.

**DR 391 Scene Painting (3)**

Techniques of scene painting to include drop painting, perspective illusion, lighting consideration, budget, and equipment.

**DR 398 Costume Techniques (3)**

Basics of construction of stage costumes; alteration and repair of existing costumes, and the implementation of professional costume shop practices.

**DR 399 Study Tour (3)**

Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.

**DR 430 Film Techniques (3)**

Prerequisite(s): DR 231, 231 and 235.

Fundamental theories and practices of cinematography and editing for film and video. Practical cinematography exercises will utilize small, professional grade HD cameras in location settings. Editing exercise will utilize professional offline editing software to complete a small group-produced short film.

**DR 440 Theatrical Drafting (3)**

Prerequisite(s): DR 371.

Development of scenic drafting techniques for production, including floor plans, elevations, sections and working drawings.

**DR 441 Acting II (3)**

Prerequisite(s): DR 241.

Advanced acting scenes and approaches to performances.

**DR 451 Design and Technical Practicum (1)**

Prerequisite(s): Permission of instructor.

Major production assignments in the department's plays in the areas of scenery, management, painting, lighting, costumes, and makeup or other technical/design assignment arranged with drama faculty.

**DR 452 Design and Technical Practicum (1)**

Prerequisite(s): Permission of instructor.

Major production assignments in the department's plays in the areas of scenery, management, painting, lighting, costumes, and makeup or other technical/design assignment arranged with drama faculty.

**DR 453 Design and Technical Practicum (1)**

Prerequisite(s): Permission of instructor.

Major production assignments in the department's plays in the areas of scenery, management, painting, lighting, costumes, and makeup or other technical/design assignment arranged with drama faculty.

**DR 455 Music Theatre Dance (3)**

Dance for musical theatre; a practical application of dance and movement in performance.

**DR 463 Dramatic Theory (3)**

An investigation into the major theories of drama from Aristotle to the present. Extensive reading of play scripts as well as analytical works.

**DR 465 Musical Theatre (3)**

A historical study of musical theatre in America from 1735 to the present. Emphasis is on theme, composers, performers, producers, and choreographers.

**DR 470 Computer Aided Rendering for Theatre (3)**

Prerequisite(s): DR 371, 377 or 386.

Development of digital rendering techniques for theatrical design utilizing graphic, paint, or three-dimensional computer modeling programs.

**DR 475 Special Problems in Drama (3)**

Prerequisite(s): Permission of instructor.

Individually designed and supervised research projects or production assignments.

**DR 479 Special Topics in Theatrical Studies (3)**

Advanced study of theatrical literature, research or performance studies. Topics will rotate. This course may be repeated for credit up to a maximum of nine hours.

**DR 480 Special Topics in Design/Technology (3)**

Advanced study of theatrical design or technical areas. Topics will rotate. This course may be repeated for credit up to a maximum of nine hours.

**DR 481 Dramatic Laboratory (1)**

Experiments in the basics of acting. Limit 1 hour credit per semester.

**DR 482 Performance Practicum (1)**

Prerequisite(s): Permission of instructor.

Major performance roles in the areas of acting, directing, movement, and playwriting.

**DR 483 Performance Practicum (1)**

Prerequisite(s): Permission of instructor.

Major performance roles in the areas of acting, directing, movement, and playwriting.

**DR 484 Performance Practicum (1)**

Prerequisite(s): Permission of instructor.

Major performance roles in the areas of acting, directing, movement, and playwriting.

**DR 485 Special Topics in Performance (3)**

Advanced work in performance techniques. Topics will rotate. This course may be repeated for credit up to a maximum of nine hours.

**DR 487 Stage Makeup II (3)**

Prerequisite(s): DR 387.

Advanced makeup techniques for theatre, film, and television. Creation of false teeth and prosthetics for three dimensional, old-age, and specialty makeup.

**DR 490 Senior Practicum (2)**

Prerequisite(s): Senior standing and instructor's permission.

Directed practicum in one of these areas: acting, directing, design, management, technology, or theatre education.

## Early Childhood (ECE)

**ECE 303 Introduction to Early Childhood Education (3)**

Corequisite(s): ECE 306, ECE 309, RDG 304.

(3). An introduction to the historical, philosophical, and cultural aspects of early childhood education. Requires Teacher Education Program admission.

**ECE 306 Practicum in ECE (3)**

Corequisite(s): ECE 303, ECE 309, and RDG 304.

Provides preservice teachers with the opportunity to observe and apply theories and concepts in the classroom. Requires Teacher Education Program eligibility.

**ECE 307 Assessment of Young Children (3)**

Review of developmentally appropriate assessment for young children.

Included will be reviews of portfolios, standardized tests, anecdotal records, observations, and behavioral rating scales. Requires Teacher Education Program eligibility.

**ECE 309 21st Century Teaching and Learning Part I (3)**

Corequisite(s): ECE 303, RDG 304, ECE 306.

Prepares teacher candidates for integrating the arts and new technologies into the P-3 curriculum. Emphasis will be placed on introducing 21st Century skills (communicating, collaborating, creating, and critical thinking), project- and inquiry-based learning and common core standards. Requires Teacher Education Program eligibility.

**ECE 407 Assessment of Young Children (3)**

Corequisite(s): EED 344, EED 339 and RDG 342.

Review of developmentally appropriate assessment for young children. Included will be reviews of portfolios, standardized tests, state required assessment, anecdotal records, observations, rating scales, and creation of teacher-made assessments. Requires Teacher Education Program eligibility.

## Economics (EC)

**EC 221 Principles of Microeconomics (3)**

Prerequisite(s): MS 100 or higher level math course.

Microeconomic analysis, including the consumer, the firm, the market and price determination.

**EC 222 Principles of Macroeconomics (3)**

Prerequisite(s): MS 100 or higher level math course.

A macroeconomic approach, including money and banking, national income accounting monetary and fiscal policy, and international economics.

**EC 224 Survey of Principles of Economics (3)**

The course will survey the essential elements of macro and micro economics analysis, money and banking, and international economics. May be used as an elective in some majors. Not available to students majoring in accounting, economics, finance, management, or marketing.

**EC 225 Honors Principles of Microeconomics (3)**

Prerequisite(s): MS 112 or higher level math course.

Microeconomic analysis, including the consumer, the firm, the market, and price determination. Stresses the advanced application of principles of microeconomics to the theory of the firm. A research paper is required.

**EC 226 Honors Principles of Macroeconomics (3)**

Prerequisite(s): MS 112 or higher level math course.

A macroeconomic approach, including money and banking, national income accounting, monetary and fiscal policy, and international economics. Stresses the advanced application of principles of macroeconomics to the analysis of monetary and fiscal policy. A research paper is required.

**EC 303 Money and Banking (3)**

Prerequisite(s): EC 221 and 222.

Topics in monetary policy, theory, monetary standards, the commercial banking system, and the federal reserve system are considered in detail.

**EC 305 Comparative Economic Systems (3)**

Prerequisite(s): EC 221 and 222.

Examines the theoretical and practical differences between a centralized economy and decentralized economy. Emphasis on the ideological and political aspects of these different systems.

**EC 310 Public Finance (3)**

Prerequisite(s): EC 221 and 222.

An economic analysis of the role of government. Topics to be examined include externalities and public goods, tax policies, government expenditures and social decision-making.

**EC 316 Managerial Economics (3)**

Prerequisite(s): EC 221 and 222.

Application of the principles of economics to business management situations. Emphasis in reconciling simple but meaningful models with the complex situations encountered in business.

**EC 321 Intermediate Microeconomics (3)**

Prerequisite(s): EC 221 and 222.

The theory of the pricing system under varying market conditions and the distribution of income among the factors of production.

**EC 322 Intermediate Macroeconomics (3)**

Prerequisite(s): EC 221 and 222.

The measurement of national output, including income and employment theory, general equilibrium theory, and the theories of interest, investment, and consumption.

**EC 345 Industrial Organization and Economic Regulation (3)**

Prerequisite(s): EC 221 and 222.

Topics include competition, monopoly, firm behavior, transaction costs theory, and the effects of anti-trust and regulatory policy.

**EC 420 History of Economic Thought (3)**

Examination of the main theoretical developments since the beginning of the systematic study of economics in the 18th century. Special emphasis is given to the following major schools of economic thought: Mercantilists, Physiocrats, Classicists, Socialists, Marginalists, Neo-Classicalists, Keynesians, and Post-Keynesians.

**EC 446 Environmental and Natural Resources Economics (3)**

Prerequisites: EC 221 and 222. Use of economic analysis to examine global environmental problems and the depletion of natural resources. An examination of issues related to market failure including benefit-cost analysis, externalities, property rights, and energy policy.

**EC 450 International Economics (3)**

Prerequisite(s): EC 221 and 222.

Economic analysis of international relations. Emphasis will be placed on theories of exchange and international monetary economics with only secondary interest placed on institutional arrangements.

**EC 455 Sports Economics (3)**

Prerequisite(s): EC 221 and 222.

An economic analysis of professional and collegiate sports. Basic economic tools are applied to study both individual and team sports, addressing such topics as market structures, labor issues publicly funded stadia, the NCAA and the college athlete. Scheduled on demand.

**EC 463 Senior Seminar in Economics (3)**

Prerequisite(s): Capstone course taken in Senior year.

Exceptions approved by Department Head. Considers the methodology of economics and provides a comprehensive review of economic theory.

**EC 465 Health Care Economics (3)**

Prerequisite(s): EC 221 and 222.

An economic exploration of the health care industry including demand-cost analysis, methodology development, financing health care services, and efficient resource allocation.

**EC 471 Urban Economics (3)**

Prerequisite(s): EC 221 and 222.

An analysis of economic forces affecting urbanization and the economic processes influencing urban form and structure. Spatial and location concepts are included. Topic coverage includes: the economic origin of cities, urban functions, urban economic base, land use structure, urban form and urban efficiency.

**EC 475 Economics of E-Commerce (3)**

Use of economic analysis to provide insight and understanding necessary to succeed in today's information technology age. Emphasis is placed on practical business strategies to develop price and protect and market goods in an emerging network economy.

**EC 480 Applied Business Forecasting (3)**

Prerequisite(s): EC 221, 222, and ST 261.

An introduction to quantitative business forecasting methods. Students will learn how to apply forecasting techniques to examine contemporary business and economic situations.

**EC 485 Field Experience (3)**

Field trip to New York City to study important New York business and economic sites, such as the New York Stock Exchange, the Federal Reserve, the Fulton Fish Market, a large international bank, an advertising agency, a bond advisory company, and other tours relevant to economics. Summer only.

**EC 486 Econometrics (3)**

Prerequisite(s): EC 221, 222, and ST 261.

The application of mathematics and statistics to economics. Techniques by which economic theory can be applied in order to estimate quantitatively functional relationships.

**EC 489 Economics Internship (3)**

Prerequisite(s): Junior Status and consent of the Instructor and Department Head.

Provides the economics major with practical experience in the field via an internship arrangement. Grades: Pass/Fail only.

**EC 499 Special Topics and Research (3)**

Prerequisite(s): EC 221 and 222.

Techniques of research and writing are emphasized. Students select an economic topic of interest and write a thesis-type term paper.

## Education (ED)

**ED 302 Introductory Foundations in Teacher Education (3)**

This is an introductory foundations course to teacher education and the School of Education Conceptual Framework. Students observe classroom teaching techniques, participate in on-campus and/or off-campus tutoring program for K-12 students, and prepare for eligibility in the Teacher Education Program. It is a requirement for all initial education candidates (those seeking a Class-B teaching certificate), and is required prior to Teacher Education Program eligibility. ED 302 is to be taken after 30 semester hours of core curriculum coursework have been completed.

**ED 408 Internship in Applied Teaching and Learning (3)**

This is a course for teacher candidates whose edTPA submissions do not meet the professional performance standards as defined by the Alabama Department of Education. This course will include an internship experience coupled with support and guidance for retakes of the edTPA. Enrollment in ED 408 requires permission of the Department Head and approved edTPA retake planned designed by the candidate and the assigned academic program faculty mentor.

**ED 495 Internship in Education (6)**

Prerequisite(s): All general studies, professional, and teaching field courses; and approval of academic advisor.

Corequisite(s): ED 496.

Internship will be under the supervision of a cooperating teacher and a university supervisor. The education degree candidate is required to take six (6) hours of internship. The internship semester is the last semester in each of the education programs. Grade of Pass/Fail only.

**ED 496 Reflective Practices in Education (3)**

Prerequisite(s): All general studies, professional studies and teaching field courses, passing score on the Praxis exam(s), and approval of academic advisor.

Corequisite(s): To be taken concurrently with ED 495.

This seminar course is intended to serve as a support mechanism and bridge between methods courses and the internship experience. Class activities involving readings, reflective journals, group discussions, portfolio development, and successful completion of a culminating teacher performance assessment will be used to facilitate individual growth and professional development. Grade of Pass/Fail only.

## Educational Psychology (EPY)

**EPY 332 Educational Psychology (2)**

Provides an overview of the Teaching/Learning process, learning principles and theories, educational policies, and understanding students' behaviors from humanistic, behaviorist, cognitive, developmental, and multicultural viewpoints.

**EPY 442 Educational Measurement (3)**

An introduction to measurement and evaluation of students' achievement. The construction of bias free, teacher generated, paper-pencil, achievement tests, uses of standardized assessments in school settings, and descriptive statistics are covered. Requires Teacher Education Program eligibility.

## Elementary Education (EED)

**EED 299 Teaching Diverse Populations (3)**

Introduces students to teaching diverse populations, including cultural, socioeconomic, learning styles, disabilities, and other variability aspects of current classroom cultures. This course may be taken prior to Teacher Education Program eligibility.

**EED 310 Foundations of Effective Teaching (3)**

This course investigates techniques, strategies, and curriculum design in the elementary grades. Students learn how to integrate content areas, effective teaching and learning strategies, and methods for problem-solving/critical thinking. This course may be taken prior to Teacher Education Program eligibility.

**EED 339 Integrating Theory/Practice (3)**

Corequisite(s): ECE 407, EED 344 and RDG 342.

Provides prospective teachers an opportunity to observe, analyze, and apply concepts and theories in schools and classrooms. Requires Teacher Education Program eligibility.

**EED 340 Practicum in Content Area Block (3)**

Prerequisite(s): All core math, science, and social studies courses and the Literacy Block (EED 339, EED 344, RDG 312, and RDG 342).

Corequisite(s): EED 341, 343, and 362.

Provides preservice elementary teachers an opportunity to observe, analyze, and apply math, science, and social studies concepts and theories in schools and classrooms. Requires Teacher Education program eligibility. This block should be taken after completion of the Literacy Block.

**EED 341 Mathematics for Children (3)**

Prerequisite(s): Math 112 and three additional core math courses.

Corequisite(s): EED 340, EED 343 and 362.

Materials and methods in the teaching of elementary mathematics concepts and processes. Requires Teacher Education Program eligibility.

**EED 343 Curriculum Integration in Teaching Social Studies (3)**

Prerequisite(s): All core social sciences and Literacy Block (EED 339, EED 344, RDG 312 and RDG 342).

Corequisite(s): EED 341, 362, and 340.

Methods and materials of teaching social studies in the elementary grades. Requires Teacher Education Program eligibility.

**EED 344 Developing Language Skills (3)**

Corequisite(s): ECE 407, EED 339 and RDG 342.

Techniques and strategies for promoting communication skills among young learners, with emphasis on the interrelatedness of the language modes. Requires Teacher Education Program eligibility.

**EED 362 Science for Children (3)**

Prerequisite(s): 12 hours of core science courses.

Corequisite(s): EED 340, 341 and 343.

Methods, materials, laboratory demonstration, and organization of science concepts and processes taught in the elementary grades. Requires Teacher Education Program eligibility.

**EED 409 21st Century Teaching and Learning Part II (3)**

Prerequisite(s): ECE 309.

This course is designed to extend teacher candidates' knowledge about new literacies and multimodal pedagogies. Emphasis will be placed on interdisciplinary strategies and 21st Century skills along with project-and inquiry-based learning and common core. Requires Teacher Education eligibility.

## Emergency Management (EM)

**EM 301 Introduction to Disaster Management (3)**

Overview of issues related to disaster management, including a history of the field, key legislation impacting the field, comprehensive emergency management and integrated emergency management, and current issues in the field.

**EM 305 Introduction to Homeland Security (3)**

An overview of the administrative, legislative, and operational elements of homeland security programs and processes, including a review of homeland security history, policies, and programs.

**EM 309 Emergency Response to WMD Event (3)**

This course will focus on the potential use of Weapons of Mass Destruction by terrorists and the proper preparedness and response by communities and jurisdictions. This course is appropriate for members of the emergency response community, emergency management, and members of the general population desiring knowledge about the real and ever-present danger of terrorist activity within the United States.

**EM 321 Disaster Mitigation & Preparedness (3)**

Prerequisite(s): EM 301.

Methods and techniques used to lessen the potential impact of disasters. Approaches related to policy, sustainability, public education, disaster exercises, programming, and the built environment are all considered.

**EM 325 Management of Information Security (3)**

Study of information security and digital forensics using practical case studies. Emphasis is on developing security policies, security management and practices, utilization of digital forensic tools and techniques, risk management, security project management, and protection mechanisms. Major components of the course are hands-on projects on digital forensic investigation and security management case studies. (EM 325 is cross-listed with CS 307, but only one course can be counted for credit.)

**EM 331 Populations at Risk (3)**

Prerequisite(s): EM 301.

Documents and analyzes the social construction of vulnerabilities to disaster. Methods to reduce vulnerabilities and build local capacity are covered.

**EM 341 Legal Fundamentals in Emergency Management and Homeland Security (3)**

Introduction to the legislative underpinnings of domestic homeland security and emergency management processes. Significant legislation will be reviewed with special consideration for the concepts that define legal duties and consequences for first responders and emergency managers.

**EM 346 Emergency Medical Operations for CBRNE Incidents (3)**

An in-depth study for emergency medical responders that focuses on chemical, biological, radiological, nuclear, and explosive (CBRNE) incident management; treatment of victims of exposure to chemical, biological, and radiological hazards, as well as explosions. Hands-on training modules provide the emergency medical responder with the knowledge and skills to perform triage operations while in personal protective equipment (PPE) and to perform decontamination of victims. Students are required to complete the FEMA resident course PER-267 at the Center for Domestic Preparedness.

**EM 347 Framework for Healthcare Emergency Management (3)**

An in-depth study that provides healthcare personnel with a foundation of knowledge in healthcare emergency management. The course focuses on standards, regulations, and organizations affecting healthcare entities and the integration of government agencies and stakeholders; disaster preparedness planning; staffing and personnel; emergency management issues for healthcare; personal protective equipment (PPE) and decontamination; evacuation, isolation, and quarantine; ethical issues; financial issues; public affairs; and training, drills, and exercises. Students are required to complete the FEMA resident course AWR-900 at the Center of Domestic Preparedness.

**EM 348 Hospital Emergency Response Training for Mass Casualty Incidents (3)**

An in-depth study designed to provide medical operation guidance to healthcare professionals who may become involved in a mass casualty incident (MCI) as a result of a natural, accidental, or intentional event. The course focuses on safe and effective emergency medical response to MCI. Students are required to complete the FEMA resident course PER-902 at the Center for Domestic Preparedness.

**EM 349 Radiological Emergency Response Operations (3)**

An in-depth study of safe and effective response to radiological incidents. Topics include radiological concepts, radiological response team operations, commercial nuclear power facilities, plume modeling, radiological instrumentation, PPE and decontamination. Students are required to complete the FEMA resident course PER-904 at the Center for Domestic Preparedness.

**EM 351 Introduction to Terrorism (3)**

The history, methods, and philosophy of terrorism are reviewed. Emphasis is placed on extremism as a foundation for terrorist behavior, types of terrorism, and how governments, and law enforcement agencies respond to terrorism. Case studies of terrorist activities and implications of emergency response issues are highlighted.

**EM 361 Hazardous Materials in Emergency Management (3)**

Prerequisite(s): EM 301.

Examination of key legislation regarding storage, handling, and transportation of hazardous materials, and review of the emergency management community plans, responds, and recovers when hazardous material incidents occur.

**EM 365 Public Information and Policy (3)**

A review of the skills needed to effectively deal with the public and media before, during, and after an emergency event. Topics will include role and responsibilities of the Public Information Officer, understanding the roles and responsibilities of the media, conducting awareness campaigns, writing news releases, public speaking, granting interviews, media management, and dealing with high-profile incidents.

**EM 366 Social Media in Emergency Management (3)**

Overview of the history and evolution of social media in emergency management. Provides an understanding of social media and its uses in all aspects of emergency management. Students will conduct research of better practices and how to grow an agency's social media presence. Additional topics addressed will include: identifying challenges and how to overcome them, choosing the best social media avenues for an agency and topic, and using private sector practices to enhance public sector outreach and effectiveness.

**EM 371 Public Administration, Policy, in Emergency Management (3)**

Prerequisite(s): EM 301.

Focuses upon the role of local, state and federal government in time of disaster. A history of key legislation related to disasters and how it has impacted the emerging profession is provided.

**EM 381 Social Dimensions of Disaster (3)**

Open to all majors across the disciplines. Overview of how individuals, groups, families, organizations, communities, and countries handle disasters before, during, and after they occur.

**EM 411 Disaster Response & Recovery (3)**

Prerequisite(s): EM 301.

Covers how people, groups, organizations, communities and governments manage disaster in the immediate aftermath and long-term including social, physical, business, and infrastructure problems as well as intra- and inter-organizational issues. (EM 411 is cross-listed with CS 412, but only one course can be counted for credit.)

**EM 420 Exercise Design and Evaluation (3)**

Introduction to the fundamentals of exercise design, development and implementation. Includes a review of the different types of exercises, how they are used, and how they are conducted. Provides students with the knowledge and skills necessary to develop and conduct disaster exercises that test a community's emergency response plan and capabilities.

**EM 421 Medical Disaster and Emergency Management (3)**

Prerequisite(s): EM 301 and EM 411.

Reviews structure and functions of health care delivery systems in massive casualty situations with specific attention to intra and inter-organizational management, ranging from emergency response triage to inter-organizational systemic management issues.

**EM 450 Management Systems in Disaster (3)**

Integration of emergency functions, response structures, technology use, information management, and decision-making. The National Response Plan and the National Incident Management System will be addressed.

**EM 451 Disaster Planning (3)**

Prerequisite(s): EM 301.

Reviews and critiques actual plans and engages students in components of effective disaster planning within and across various jurisdictions.

**EM 461 Critical Infrastructures (3)**

Identifies what constitutes critical infrastructure including cyber as well as physical infrastructure. Evaluation of strategies for promoting vulnerability assessments and risk reduction, and protection of critical infrastructures will be examined. (EM 461 is cross-listed with CS 461, but only one course can be counted for credit.)

**EM 471 Emergency Management Capstone Course (3)**

Prerequisite(s): Senior Standing in Program.

Integrates prior coursework in an applied and experiential framework through case studies, exercises, applied research, and analytical activities.

**EM 475 Current Issues in Homeland Security (3)**

The examination of current issues and concerns with Homeland Security including upcoming National Special Security Events that mandate comprehensive security planning and response capabilities. Challenges of implementing and maintaining homeland security will be covered.

**EM 481 Research in Disasters and Emergency Management (3)**

Overview of how research is done and how to understand scholarly work including, reading, understanding, and applying studies from the field of disaster research.

**EM 483 Planning and Preparedness for Homeland Security (3)**

Introduction to the process of assessing and enhancing preparedness for terrorism for organizations and communities. Topics include technical and organizational requirements, risk and vulnerability assessments, continuity of operations, communication and information management, capacity building needs, funding strategies, and recovery systems. Particular attention is given to coordination requirements for incident management for first responder agencies, healthcare systems, and public and private sector response systems.

**EM 496 Directed Studies in Emergency Management (3)**

Prerequisite(s): Approval of instructor and department head.

**EM 497 Internship in Emergency Management (3)**

Prerequisite(s): EM 301 and approval of instructor and internship coordinator.

Provides direct experience and application of principles, concepts and theories acquired in coursework to a real world setting.

## Engineering (EG)

**EG 112 Engineering Methods (3)**

Prerequisite or concurrently: MS 113 or approval of instructor. The use of applied mathematics in solving elementary scientific and engineering problems. Topics include basic mathematical analysis, the electronic calculator, unit systems, metrication, engineering statistics, laboratory procedures and measurements, and computer applications. Three hours lecture.

**EG 121 Engineering Graphics I (4)**

Prerequisite(s): MS 112 or higher.

Orthographic and isometric projections; multiview projection on principal and auxiliary planes; dimensioning; detail and assembly working drawings. Interactive two-dimensional and three-dimensional computer-aided graphics based. Three hours lecture and two hours laboratory each week.

**EG 201 Applied Mechanics - Statics (3)**

Prerequisite(s): EG 112, PHS 211, and/or concurrently, MS 126.  
Analysis of the principles of mechanics and their engineering applications. Forces; moments and couples; resultants of force systems; equilibrium, friction, centroids, moments of inertia.

**EG 202 Applied Mechanics - Dynamics (3)**

Prerequisite(s): EG 201 and MS 126.  
Absolute and relative motion; force, mass and acceleration; work and energy; impulse and momentum; mechanical vibrations.

**EG 226 Electrical Circuits Analysis I (3)**

Prerequisite(s): PHS 211 and MS 125.  
Electric and magnetic circuit concepts; transient and steady-state solutions of simple circuits. Phasor analysis of AC circuits and network theorems.

**EG 251 Engineering Surveying (3)**

Prerequisite(s): EG 112.  
The use of tapes, levels, transits, and surveying instruments including the theodolite will be studied and applied to problems involving position, area, volume, grade, mapping, distance, evaluation, analysis or error, and land surveying. Two hours lecture and three hours lab.

**EG 255 Engineering Computation (3)**

Prerequisite(s): MS 113 or equivalent.  
Programming, with introduction to numerical methods useful in the solution of engineering, scientific, and mathematical problems. The course is implemented using a high-level programming language. Two hours lecture and two hours integral non-scheduled laboratory required each week.

**EG 320 Engineering Economy (3)**

Prerequisite(s): MS 112 or equivalent.  
Annual cost; present work, rate of return, and profit-cost methods of determining prospective differences among alternatives; depreciation, tax and cost analysis; and replacement and retirement analysis.

**EG 328 Electrical Circuits Laboratory (3)**

Prerequisite(s): EG 226.  
Experiments related to electrical circuits. Application and verification of the principles in electrical circuits. Three hours laboratory hours per week.

**EG 343 Strength of Materials (4)**

Prerequisite(s): EG 201 and MS 126.  
Stress-strain relationships; behavior of materials in tension, compression and shear; column formulae; combined stress computations; theorem of three moments; composite structural members.

**EG 361 Thermodynamics (3)**

Prerequisite(s): MS 227 and PHS 211.  
Heat and work; thermodynamic systems and equations of state; the zeroth, first, and second laws of thermodynamics; change of phase; the combined first and second laws; irreversibility and availability of energy; mixtures of ideal gases; psychrometry.

**EG 373 Fluid Mechanics (3)**

Prerequisite(s): MS 126 and PHS 211.  
Fluid statics; the conservation equations and their applications; dimensional analysis and similitude; flow in closed and open conduits; one-dimensional compressible flow.

**EG 374 Fluid and Thermal Laboratory (1)**

Laboratory in fluid mechanics, thermodynamics, and related areas. Typical experiments are flows in pipes and channels, flow control devices, gas laws, compressible flow, engine performance. Three laboratory hours per week.

## English (EH)

**EH 001 English Competency Exam (0)**

Prerequisite(s): EH 101 and 102 and have earned 48 semester hours. Successful completion of this examination is required to apply for graduation. Students who have earned a bachelor's degree from a regionally accredited institution are exempt from this examination.

**EH 100 Basic English Skills (3)**

A study of basic English grammar and writing skills. Credit granted but not toward major. Not open to students who have completed EH 101 or 103. Grades for EH 100: A, B, C, NC.

**EH 101 English Composition (3)**

Prerequisite to all other English courses except EH 141. Spelling, grammar, punctuation, vocabulary, and the strategies of effective writing. Introduction to literature. Grades for EH 101: A,B,C, NC.

**EH 102 English Composition (3)**

Prerequisite to all other English courses except EH 141. Spelling, grammar, punctuation, vocabulary, and the strategies of effective writing. Introduction to literature. Research paper required. Grades for EH 102: A,B,C,NC.

**EH 103 Honors English Composition I (3)**

Prerequisite(s): ACT 25 and above or SAT 610 and above.  
(3). Advanced strategies of effective writing. Advanced introduction to literature. Grades: A, B, C, NC. (Fall only).

**EH 104 Honors English Composition II (3)**

Prerequisite(s): EH 101 or EH 103 and approval of instructor. Substitutes for EH 102. Advanced strategies of effective writing. Advanced introduction to literature. A research paper. Grades: A, B, C, NC. (Spring only)

**EH 141 Oral Communication (3)**

Conversational English with emphasis on the process by which ideas are interchanged orally from one person to another or to a group. Consists of regular classroom presentations, formal speaking, and practice on individual problems with usage and articulation.

**EH 201 American Literature I (3)**

Prerequisite(s): EH 102.  
The American tradition as presented in literature. Franklin, Irving, Poe, Douglass, Emerson, Thoreau, Hawthorne, Melville, Whitman.

**EH 202 American Literature II (3)**

Prerequisite(s): EH 102.  
The American tradition as presented in literature. James, Twain and twentieth-century American authors such as Ann Beattie and Alice Walker.

**EH 203 Survey of English Literature I (3)**

Prerequisite(s): EH 102.  
Representative English writers in the major periods of their nation's cultural development. Beowulf to Neoclassical writers.

**EH 204 Survey of English Literature II (3)**

Prerequisite(s): EH 102.  
Representative English writers in the major periods of their nation's cultural development. Romantics to modern writers.

**EH 219 Honors Literature I (3)**

Prerequisite(s): EH 102 and approval of instructor.

A study of works of literature against the background of philosophy, history, and the arts.

**EH 220 Honors Literature II (3)**

Prerequisite(s): EH 102 and approval of instructor.

A study of works of literature against the background of philosophy, history, and the arts.

**EH 231 World Literature I (3)**

Prerequisite(s): EH 102.

The literature of Greece and Rome, the Medieval Period, the Renaissance, the Enlightenment, the Romantic Age, Realism and Symbolism, and our own times.

**EH 232 World Literature II (3)**

Prerequisite(s): EH 102.

The literature of Greece and Rome, the Medieval Period, the Renaissance, the Enlightenment, the Romantic Age, Realism and Symbolism, and our own times.

**EH 299 Study Abroad (3)**

Prerequisite(s): Permission of academic advisor and pre-approval by department head prior to registration.

Individual study abroad through a JSU-sponsored program as administered by International Programs; pre-approval within specific disciplines required. May be repeated for credit for a total of 15 semester hours. Grades: Pass/Fail.

**EH 300 Independent Study (1)**

Prerequisite(s): Approval of Department Head.

Special project in English studies. (Fall and Spring only)

**EH 303 Survey of Black Literature I (3)**

Prerequisite(s): EH 102.

A study of African-American writers from Colonial times through the Harlem Renaissance.

**EH 304 Survey of Black Literature II (3)**

Prerequisite(s): EH 102.

A study of African-American writers from the 1940s to the present.

**EH 305 Native American Literature (3)**

Prerequisite(s): EH 102.

A study of selected literature by Native Americans, including traditional oral genres (myths, folktales) and written genres (autobiography, fiction, poetry).

**EH 307 English Grammar (3)**

Prerequisite(s): EH 102 or approval of the English Department Head.

This course will explore all aspects of English grammar, including sentence structure, usage, and mechanics. Open to all students with appropriate prerequisites.

**EH 309 Film Noir, Classics, and Melodrama (3)**

Prerequisite(s): EH 102 or 104.

An exploration of three of the most important forms of visual culture in contemporary America. The course will concentrate on the social and cultural work performed by the films, and the focus will shift from one semester to the next from film noir to classics to melodrama. May be taken only once.

**EH 311 Romantic Poetry (3)**

Prerequisite(s): EH 102.

English poetry of the late eighteenth and early nineteenth centuries, featuring works of Blake, Dorothy and William Wordsworth, Byron, Mary and Percy Shelley, and Keats.

**EH 312 Business English for International Purposes (3)**

This course is designed to teach the basics of business communication with an emphasis on American business English, business document formats, American idiomatic usages, and multicultural audiences, including ESL audiences.

**EH 313 Twentieth-Century Poetry (3)**

Prerequisite(s): EH 102.

British and American poets of the 1900s. Hardy and Robinson through Robert Lowell and Adrienne Rich.

**EH 321 Advanced Grammar and Linguistics (3)**

Prerequisite(s): EH 102.

A linguistic approach to the study of prescriptive and descriptive grammar.

**EH 322 Technical Writing (3)**

Prerequisite(s): EH 102.

Practical writing, especially correspondence and reports, for students in business, scientific, and technical fields.

**EH 344 Advanced Composition (3)**

Prerequisite(s): EH 102.

Improving the skills and the knowledge of composition acquired in EH 101 and 102, deepening the student's understanding of grammar, diction, and usage, and introducing him/her, through active production, to the larger forms, particularly of an expository or argumentative nature.

**EH 345 Argumentation and Debate (3)**

Prerequisite(s): EH 141.

Basic principles and practice of argumentation and debate, with instruction in parliamentary procedure. No credit allowed toward English major or minor.

**EH 346 Advanced Oral Communication (3)**

Prerequisite(s): EH 141 and approval of advisor.

Study and practice of techniques of public speech-making, argumentation and debate.

**EH 347 Theory of Speech (3)**

Prerequisite(s): EH 141 and approval of advisor.

Study and practice in developing oral communication skills and auditory discrimination ability.

**EH 348 Composition and Speech (3)**

Prerequisite(s): EH 102 and 141, Major in EED or ECE. Emphasis on writing and on oral presentation skills.

Emphasis on writing and on oral presentation skills. No credit allowed toward English major or minor. Grades: A,B,C,NC.

**EH 349 The Literature of Young Adults (3)**

Prerequisite(s): EH 102.

A survey of the literature of young adults with particular attention to recent examples. Emphasis will be on the literary qualities of the reading.

**EH 351 Creative Writing I (3)**

Prerequisite(s): EH 102 and approval of instructor.

This course will concentrate on writing fiction.

**EH 352 Creative Writing II (3)**

Prerequisite(s): EH 102 and approval of instructor.

This course will concentrate on writing poetry.

**EH 360 Interpersonal Communication (3)**

Prerequisite(s): EH 141.

A course designed to give students study and practice in effective oral communication in different one-to-one relationships and situations. No credit allowed toward English major or minor.



**EH 370 The American Novel (3)**

Prerequisite(s): EH 102.

From its beginning to the present: Cooper, Hawthorne, Melville, and Twain through such moderns as Faulkner, Hemingway, Wolfe, Ellison, Bellow, and Morrison.

**EH 371 Contemporary Fiction (3)**

Prerequisite(s): EH 102.

The reading and analysis of recent novels and/or short stories selected by the instructor.

**EH 372 The Graphic Novel (3)**

Prerequisite(s): EH 102 or 104.

Dedicated to selected writers, themes, genres, countries (manga, manhwa, bande dessinée, etc.) or a survey of the medium as a whole. May be duplicated for credit for a total of 6 semester hours as long as each course taken is on a different special topic.

**EH 373 Twentieth-Century Drama (3)**

Prerequisite(s): EH 102.

The social, moral, and psychological interests of modern and contemporary continental, English, and American dramatists.

**EH 375 Southern Literature (3)**

Prerequisite(s): EH 102.

Selected works of poetry and prose by such major Southern writers as George Washington Cable, Alice Walker, William Faulkner, and Flannery O'Connor.

**EH 377 The Bible as Literature: Old Testament (3)**

Prerequisite(s): EH 102 or EH 104.

This survey course will serve as an introduction to the literary ideas, forms, and techniques found in English translations of the Old Testament. It fulfills the upper level, non-American literature requirements for English and Secondary English Language Arts majors.

**EH 378 The Bible as Literature: New Testament (3)**

Prerequisite(s): EH 102 or 104.

This survey course will serve as an introduction to the literary ideas, forms, and techniques found in English translations of the New Testament. It fulfills the upper level, non-American literature requirements for English and Secondary English Language Arts majors.

**EH 399 Study Tour (3)**

Prerequisite(s): EH 102.

Topics, excursions and requirements determined by department. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required. This course may be duplicated for a total of 6 semester credits; however, only 3 semester credits may be used toward the major or minor.

**EH 401 Chaucer (3)**

Prerequisite(s): EH 102.

The poet against the background of the Middle Ages.

**EH 402 Special Studies in the English Renaissance (3)**

Prerequisite(s): EH 102 or EH 104.

Dedicated to selected writers, themes or genres. May be duplicated for credit for a total of nine (9) semester hours, as long as each course taken is on a different special topic.

**EH 403 Shakespeare I (3)**

Prerequisite(s): EH 102.

Hamlet, Othello, and selected histories and romantic comedies.

**EH 404 Shakespeare II (3)**

Prerequisite(s): EH 102.

King Lear, Macbeth, and selected later comedies and tragedies.

**EH 405 Shakespeare's England (3)**

Prerequisite(s): EH 102.

Program of study in Stratford-upon-Avon. Visits to places associated with Shakespeare and reading in social history of the period. Offered infrequently.

**EH 408 Theory of Composition (3)**

Prerequisite(s): EH 102.

A study of current theory and practice in composition studies.

**EH 409 The Art of the Film (3)**

Prerequisite(s): EH 102.

A consideration of the motion picture in its artistic, technical, and historical contexts. A number of films by major directors will be viewed, ranging from the comedies of the thirties and forties to the work of Alfred Hitchcock and the fantasy of the Hollywood musical.

**EH 410 American Drama (3)**

Prerequisite(s): EH 102.

An examination of American drama both as theatre and literature, considering early plays in their historical contexts, with emphasis on major American dramatists beginning with Eugene O'Neill and progressing through Tennessee Williams, Arthur Miller, Edward Albee, Beth Henley, August Wilson, and others.

**EH 411 Eighteenth-Century Literature (3)**

Prerequisite(s): EH 102.

A survey of eighteenth-century English writers, focusing on major satirists, such as Dryden, Pope, Swift, and Fielding; also including Johnson and his circle, some of the major novelists and dramatists; and ending with a survey of the "Pre-Romantics" (the "poets of sensibility").

**EH 412 Victorian Poetry (3)**

Prerequisite(s): EH 102.

Tennyson, Elizabeth Barrett and Robert Browning, Arnold, Swinburne, and other poets of the Victorian Era.

**EH 413 English Drama (3)**

Prerequisite(s): EH 102.

Medieval background of Elizabethan drama and the reading of representative plays of the Tudor and Stuart periods.

**EH 415 Advanced Expository Writing (3)**

Prerequisite(s): EH 344.

Undergraduate and Graduate Refining skills and knowledge acquired in EH 101, 102, 344, and requiring expository/argumentative essays representative of excellent rhetoric.

**EH 419 Milton (3)**

Poetry and prose of John Milton, with special attention to Paradise Lost.

**EH 420 Women's Literature (3)**

Prerequisite(s): EH 102.

Six centuries of representative literature by women. Emphasis on recent British and American, including ethnic-American, authors. Discussion of women writers in relation to the traditional canon.

**EH 423 Alabama Literature (3)**

Prerequisite(s): EH 102.

An introduction to Alabama writers from the frontier period to the present; fiction and nonfiction; short story, novel, poetry, essay.

**EH 431 Non-Western Literature (3)**

Prerequisite(s): EH 102 or 104.

An introduction to literature of the non-Western world from ancient times to the twenty-first century. This course will examine different genres of literature originating in the following regions or cultures: Asia, the Middle East, Africa, South and Central America, as well as other cultures whose heritage is not primarily based on the Western tradition.

**EH 441 The History of the English Language (3)**

Prerequisite(s): EH 102.

Study of the origins and development of the English language from Old English through Modern English, focusing on the historical, cultural, and linguistic forces affecting language change.

**EH 442 Black Writers in America (3)**

Prerequisite(s): EH 102.

A study of major twentieth-century writers, including Wright, Ellison, Hughes, Baldwin, Toni Morrison, Alice Walker, and others.

**EH 452 Literary Criticism (3)**

Prerequisite(s): EH 102.

Prominent themes and theories, various critical approaches, and outstanding examples of literary criticism from Plato to feminism and African-American literary theory.

**EH 453 The English Novel (3)**

Prerequisite(s): EH 102.

A history of the British novel, with readings of, and reports on, novelists of the eighteenth, nineteenth, and twentieth centuries.

**EH 467 Twentieth-Century English Fiction (3)**

Prerequisite(s): EH 102.

British fiction of the twentieth century, including short stories and novels by modern and postmodern authors.

**EH 484 Current New York Theatre (3)**

Prerequisite for Undergraduate: EH 102. Prerequisite for Graduate:

None. A study of the New York theatre available at the time the course is offered. In addition to attending four current Broadway productions, students visit Lincoln Center for the Performing Arts and major art museums, such as the Metropolitan Museum of Art, the Museum of Modern Art, and others.

**EH 491 Internship (3)**

Prerequisite(s): Completion of at least 12 hours of 300+ English classes and permission of the Department Chair and sponsoring faculty member. Provides direct experience and application of principles, concepts and theories acquired in coursework with an emphasis on writing in a professional organization while giving students the opportunity to gain work/career experience in service/learning or business/corporate settings. Grade: Pass/Fail.

## Family & Consumer Sciences (FCS)

**FCS 122 Fundamentals of Food Preparation and Meal Management (3)**

Lecture and laboratory experiences. Introduction to the study of food, including selection, principles of preparation, evaluation of food products, survey of the market place and management of resources in the preparation and serving of food.

**FCS 131 Clothing Construction (3)**

Personal appearance, selection, and care of clothing and textiles. Fundamentals of clothing construction, pattern selection, and fit. Application of fundamentals through garment construction.

**FCS 132 Culinary Science (3)**

Prerequisite(s): FCS 122.

An introduction to the study of commercial food production including fundamental cooking techniques, knife and hand-tool skills, flavor affinities, and visually pleasing culinary presentations.

**FCS 200 Seminar in Family and Consumer Sciences (2)**

The philosophical base of family and consumer sciences and issues affecting the professions. Emphasis on managing the challenges of living and working in a diverse global society. Preparation of students for success including resume-writing, professional presentations, and the development of communication skills.

**FCS 215 Introductory Nutrition (3)**

Introduction to the principles of nutrition including nutrient requirements for individuals of all ages.

**FCS 223 The Science of Service Quality (2)**

An introduction to the service quality concept, particularly as it relates to the hospitality industry. Course content will provide theories and principles of service quality, along with definitions and key concepts.

**FCS 232 Textiles (3)**

Textile fabrics, their composition, structure and use along with weaves, finishes and care. Natural and manmade fibers used in clothing.

**FCS 301 Career Paths in Dietetics (1)**

Prerequisite(s): Junior Status.

A survey of the career paths in dietetics and the process for entering the field.

**FCS 322 Normal Nutrition (3)**

Prerequisite(s): CY 115 and BY 263.

Application of fundamentals of human nutrition including various nutrients and requirements for different individuals and groups.

**FCS 323 Experimental Foods (3)**

Prerequisite(s): FCS 122.

Lecture and laboratory experiences. The advanced study of food including the physical and chemical properties of food and factors affecting the quality of standard food products.

**FCS 325 Quantity Food Production (3)**

Prerequisite(s): FCS 122.

Lectures and laboratory experiences. Introduction to institutional preparation and service of food, equipment operation and maintenance, menu planning and recipe standardization.

**FCS 326 Food Safety and Sanitation (3)**

Prerequisite(s): 4 hours of Natural Sciences and FCS 122.

An introduction to foodborne illnesses, safe food preparation practices, microbiological considerations for specific foodservice systems, and regulatory laws for foodservice establishments.

**FCS 327 Nutrition in the Life Cycle (3)**

Prerequisite(s): FCS 215 or 322.

How age, growth and normal development influence the nutritional requirements for individuals at each stage of the life cycle.

**FCS 328 Career Paths in Nutrition and Dietetics (1)**

Prerequisite(s): FCS 122 and FCS 322.

(1). A survey of the careers in nutrition and dietetics. Students will complete the Nutrition Career Assessment Exam for assessment into the upper level division of Dietetics.

**FCS 330 Braids, Trims, and Stitchery (3)**

The use of individuality in creating unusual trims and accessories for dress.

**FCS 331 Fashion Fundamentals and Merchandising (3)**

Prerequisite(s): Sophomore status.

Organization and structure of the fashion industry with emphasis on retailing, sources of information, and fashion trends.

**FCS 332 Social Cultural Aspects of Apparel (3)**

Overview of social, psychological, and cultural aspects of apparel.

**FCS 333 Family Clothing (3)**

Prerequisite(s): Planning, selection, purchasing and care of family clothing.

**FCS 335 Visual Merchandising (3)**

Prerequisite(s): Sophomore status.

Design principles applied to various display needs. Investigation and practical experience in planning, executing, and evaluation of 2-D and 3-D displays for commercial, educational, and other needs.

**FCS 337 Methods of Nutritional Assessment (3)**

Prerequisite(s): FCS 322.

A discussion of the profession and practice of dietetics. Emphases are placed on the methods and procedures of the Nutritional Care Process including the collection and analysis of biochemical, clinical, and dietary data, and the design of nutritional care plans.

**FCS 338 Community Nutrition (3)**

Prerequisite(s): FCS 215 or 322.

Application of community nutrition strategies to health care problems and exploration of approaches useful in the design and evaluation of these programs.

**FCS 339 Professional Communications in Family and Consumer Sciences (2)**

The fundamentals of communication skills essential for professions related to the field of Family and Consumer Sciences. Emphasis on materials and methods necessary for satisfactory communication.

**FCS 343 Virtual Merchandising (3)**

Design principles applied to various promotional and presentation tools such as displays, brochures, and bulletin boards. This course will focus on the investigation and practical experience in planning, executing, and evaluation of displays for commercial, educational, and other needs.

**FCS 350 Lifespan Human Development (3)**

Overview of physical, intellectual, social, and emotional development from conception to death. Practical application of information to life stages and outside observations will be included.

**FCS 351 The Developing Child (3)**

Development and guidance of young children from infancy through the school years. Not available to students in the traditional Child Development Concentration.

**FCS 352 Child Growth and Development (2)**

Corequisite(s): FCS 353.

Development and guidance of young children from infancy through middle childhood.

**FCS 353 Child Growth and Development Laboratory (1)**

Taken concurrently with FCS 352. Two hours per week. Methods of guidance of young children, ages three and four.

**FCS 354 Career Paths in Human Sciences (2)**

This course explores various career pathways such as Cooperative Extension, Social Services, entrepreneurships, human resources, possibilities in educational systems, and more. Students will also examine the history of human sciences and how the broad-based FCS curriculum prepares them for a number of career pathways.

**FCS 355 Family Life Education (3)**

A study of family relations and the skills needed to function within the family setting. Emphasis on interpersonal communication, conflict resolution, and parenting.

**FCS 360 Contemporary Issues in Human Development (3)**

Current topics in the areas of child and/or family development.

**FCS 371 Management of Family Resources (3)**

Prerequisite(s): Sophomore status.

Focuses on the practical application of management principles for use of resources to maximize individual and family quality of life.

**FCS 420 Medical Nutrition Therapy I (3)**

Prerequisite(s): FCS 337 and 322.

The study of relationships between diseases and nutrition. Application of assessment techniques and alternative feeding modalities in medical/nutritional case studies.

**FCS 421 Medical Nutrition Therapy II (3)**

Prerequisite(s): FCS 420.

A continuation of Medical Nutrition Therapy I. The study of relationships between diseases and nutrition. Application of assessment techniques and alternative feeding modalities in medical/nutritional case studies.

**FCS 422 Foodservice Management (3)**

Prerequisite(s): FCS 122 and MGT 301.

Management techniques and functions in foodservice with emphasis on personnel management, materials management and systems approach to foodservice management.

**FCS 425 Practicum in Foodservice Management (3)**

Prerequisite(s): Approval of instructor.

May be duplicated for credit for a total of six (6) semester hours.

Practical experiences in foodservice management obtained in approved institutions. Must be planned in advance.

**FCS 427 Special Problems in Family and Consumer Sciences (3)**

Prerequisite(s): Senior Status and approval of instructor.

May be duplicated for credit for a total of six (6) semester hours.

Individual work in selected area.

**FCS 428 International Foods (3)**

Prerequisite(s): FCS 122 and Junior Status.

Lecture and laboratory experiences. Study of food practices, preparation and service of dishes typical of countries around the world.

**FCS 429 Advanced Nutritional Metabolism (3)**

Normal nutrition metabolism and an overview of aberrations in normal metabolism as affected by diseases.

**FCS 430 Senior Experiences in Fashion Merchandising (3)**

Prerequisite(s): Senior Status and approval of instructor.

Field experiences in merchandising. May be duplicated for credit for a total of six (6) semester hours.

**FCS 431 Textiles and Apparel in the Global Economy (3)**

Prerequisite(s): FCS 331 and Junior Status.

Role of fiber, textile and apparel industries in the international economy. Current issues related to fashion merchandising in the global economy.

**FCS 432 History of Fashion (3)**

Prerequisite(s): Junior Status.

The development of fashion throughout history, with an investigation of the influence of sociological, psychological, economic and cultural factors.

**FCS 434 Apparel Design (3)**

Prerequisite(s): FCS 131, 232, and 331.

Overview of the fashion design and manufacturing process. Examination of fashion illustration, methods of apparel design, creation of an apparel line and practical experiences in apparel design.

**FCS 435 Merchandise Planning and Analysis (3)**

Prerequisite(s): MS 112, FCS 331, and Junior Status.

Application of principles of merchandise management and retail buying to the merchandising of textiles and apparel and accessories.

**FCS 438 Principles of Culinary Management (3)**

Prerequisite(s): FCS 122, FCS 132, and MGT 301.

The study of the evolution of the hospitality industry and how it is currently stratified. Organizational systems, management, and career opportunities/salaries will be examined. Hospitality service management is viewed from both a consumer and business perspective.

**FCS 441 Practicum in Hospitality and Tourism (3)**

Prerequisite(s): Approval of instructor.

Practical culinary and tourism experiences in the hospitality industry. May be duplicated for credit for a total of six (6) semester hours.

**FCS 448 Alternative Medicine and Dietary Supplements (3)**

Prerequisite(s): FCS 322, FCS 324, and Junior Status.

Advanced study of the safety and efficacy of herbal and dietary supplements; mechanisms of action including potential drug/herbal/nutrient interactions; evaluation and regulation of health claims.

**FCS 450 Curriculum Planning in Child Development (3)**

Prerequisite(s): Junior Standing, FCS 352, FCS 353.

Planning a developmentally appropriate curriculum for a child care program.

**FCS 452 Overview of Advanced Child Development (Infant through 5) (3)**

Prerequisite(s): Junior Status and FCS 351 or 352/353.

Study of the biological and environmental influences on development from infancy through age 5. Examine theories, research, the family context, school context, and the impact of diverse family experiences. Not available to students in the traditional or on-line Child Development concentrations.

**FCS 453 Parent-Child Relations (3)**

Prerequisite(s): Junior status and FCS 351 or FCS 352/353.

Study of the dynamics and reciprocal nature of parent-child relationships, including internal and environmental forces that impact interactions between parents and children.

**FCS 454 Administration and Supervision in Child Care Programs (3)**

Prerequisite(s): Junior standing, FCS 351 or FCS 352/353, FCS 450 and approval of the instructor.

The planning, implementing, and evaluating of a child care program.

**FCS 456 Advanced Child Development I (Infant and Toddler Development) (3)**

Prerequisite(s): Junior status.

FCS 352, FCS 353. Study of the biological and environmental influences on development from infancy to toddlerhood. Examine theories, research, and the family context.

**FCS 457 Advanced Child Development II (Ages 3 through 5) (3)**

Prerequisite(s): Junior Status and FCS 352 and 353.

Study of biological and environmental influences on development from toddlerhood through age five. Examine theories, research, the family context, school context, and the impact of diverse family experiences.

**FCS 458 Research and Statistical Methods in FCS (3)**

Prerequisite(s): Junior Status.

Methods and basic skills for conducting, analyzing, and interpreting research.

**FCS 459 Family Interaction (3)**

Prerequisite(s): Junior Status and FCS 351 or 352/353.

Study of various theories of family interaction, with an emphasis on understanding the family as a system.

**FCS 460 Directed Field Experiences (6)**

Prerequisite(s): Completion of general studies, professional and concentration courses, and approval of academic advisor.

Supervised experiences in a community child care setting with observation and participation in approved programs for children.

**FCS 463 Directed Field Experiences for Child Development Minors (3)**

Prerequisite(s): Completion of general studies, professional and concentration courses, and approval of academic advisor.

Supervised experiences in a community child care setting with observation and participation in approved programs for children. Not available to students in the traditional or on-line Child Development concentrations.

**FCS 464 Practicum in Human Sciences (3)**

Prerequisite(s): Completion of all content coursework.

The practicum must be taken the last semester of the student's senior year. Field observations and experiences in agencies or organizations that provide services in a Human Sciences field and must be an approved site.

**FCS 471 Family Housing and Interiors (3)**

Prerequisite(s): Junior Status.

An overview of present-day family housing needs including location, space needs, house construction and selection, alternative housing, and home furnishings.

**FCS 472 Creative Expressions in Home Furnishings (3)**

Selection and use of household fabrics and materials including the design and construction of home furnishings and accessories.

## Finance (FIN)

**FIN 292 Legal and Social Environment (3)**

Examination of current problems and issues facing managers in a changing society. Explores business, government and interest-group interrelationships. Extensive examination of ethical considerations in business. May not be taken for credit if student has completed CBA 292, Business and Society.

**FIN 300 Business Law (3)**

Prerequisite(s): ACC 200, 210, EC 221, 222, MS 112, and ST 260 (minimum grade of C required for all prerequisites).

Legal principles related to Uniform Commercial Code; contracts and personal property and bailments; the law of sales; commercial paper; and secured transactions.

**FIN 301 Business Finance (3)**

Prerequisite(s): ACC 200, 210, EC 221, 222, MS 112, and ST 260 (minimum grade of C required for all prerequisites).

A survey of business finance. Coverage of the basic financial decisions including investment, financing, and dividend.

**FIN 310 Entrepreneurial Finance (3)**

This course introduces the financial concepts, tools and principles utilized by the entrepreneur to initiate, build, and develop a successful entrepreneurial venture. This course also examines the sources of financing necessary to initiate and develop the venture. Additional topics include proforma financial statement development; business valuation models; cash flow analysis; and raising capital from private investors, venture capitalists, and banks.

**FIN 311 Personal Financial Planning (3)**

Personal financial planning including time buying, insurance, housing, investments, budgeting, use of financial institutions, and taxes.

**FIN 341 Principles of Real Estate (3)**

Real estate ownership interest, legal processes, financing instruments and institutions, consideration of subdividing and zoning, federal housing litigation, and taxation.

**FIN 343 Real Estate Appraisal (3)**

Prerequisite(s): FIN 341.

Analysis of sites and buildings; collection, analysis interpretation of cost and market data; depreciation, capitalization; correlation of value factors; writing of appraisal reports.

**FIN 344 Legal Aspects of Real Estate (3)**

Prerequisite(s): FIN 341.

Estates in land, purchase and sales contracts, conveyances, mortgages and trust deed transactions, property taxes, landlord and tenant, wills and inheritance.

**FIN 361 Bank Management (3)**

Prerequisite(s): FIN 301.

The commercial bank as a business enterprise; principles of organization and operation; regulatory framework; and problems of competition and growth.

**FIN 397 Financial Institutions and Markets (3)**

Prerequisite(s): FIN 301.

Analysis of the operating policies of financial institutions and the effect upon the structure of the capital and money markets.

**FIN 410 Wills, Estates, and Trusts (3)**

A study of the basic legal and financial principles and practices involved in the planning and administration of wills, estates, and trusts.

**FIN 434 International Finance (3)**

Prerequisite(s): FIN 301.

Problems in foreign operations and other aspects of multi-national business; the role of international money and capital markets; financing trade and economics development.

**FIN 440 Real Estate Finance (3)**

Prerequisite(s): FIN 301.

Institutions, instruments and mortgage banking practices. Emphasis on analyzing mortgage risks, loan terms and rates, servicing, foreclosure, sources of mortgage credit and government influences.

**FIN 441 Financial Management (3)**

Prerequisite(s): FIN 301.

A study of financial decision making. Profit planning, financing strategies, financial analysis and ethical questions are emphasized.

**FIN 474 Investments (3)**

Prerequisite(s): FIN 301 or equivalent.

A survey of investment principles and practices. Emphasis is given to security analysis and portfolio management, with special attention focused on the individual investor.

**FIN 475 Advanced Topics in Finance (3)**

Prerequisite(s): FIN 441.

Application of financial management techniques to capital structure policy, dividend policy, financing decisions, working capital management and corporate restructuring.

**FIN 481 Seminar in Finance (3)**

Prerequisite(s): Should be taken in Senior year and have completed FIN 441.

Financial theories and problems involving investment, financing, and dividend decisions.

**FIN 486 Independent Research in Finance (3)**

Prerequisite(s): Approval of the department head.

Research will be conducted into an area of special interest documented by a thesis-styled research paper.

**FIN 489 Finance Internship (3)**

Prerequisite(s): Junior status and consent of the Instructor and Department Head.

Provides the finance major with practical experience in the field via an internship arrangement. Grade: Pass/Fail.

## Forensic Investigation (FI)

**FI 204 Introduction to Forensic Investigation (3)**

Prerequisite(s): CJ 101.

Introduction to the development of Forensic Investigations and its contribution to the Criminal Justice System and the applications of the scientific discipline to the examination and analysis of physical evidence.

**FI 225 Criminal Courts (3)**

Prerequisite(s): CJ 101.

An analysis of the roles of the Criminal Courts in their interactions with the major participants in the Criminal Justice System; the Court structure and functions; selected critical cases and key issues, such as sentencing and plea bargaining.

**FI 302 Research Methods (3)**

Prerequisite(s): CJ 101.

An introduction to the theory, design, collection, and analysis of data in criminal justice research.

**FI 310 Criminalistics (3)**

Prerequisite(s): FI 204 or CJ 304.

Methods of scientific analysis, comparison and identification of physical evidence; blood and body fluids, casts and molds, detective dyes, fingerprints, and trace evidence.

**FI 320 Criminal Investigations (3)**

Prerequisite(s): FI 204, CJ 202 or CJ 304.

Practical application of investigative techniques for specific crimes such as sex offenses, murder, robbery, arson, assaults, and fraud cases.

**FI 330 Forensic Documentation (3)**

Prerequisite(s): FI 310 or CJ 430.

The principles and techniques of digital photography as applied to crime scenes, forensic evidence, identification, and court presentation. Emphasis is on single lens reflex digital cameral operation with various types of lighting. Legal aspects of forensic photography and courtroom presentation.

**FI 340 Homicide Investigation (3)**

Prerequisite(s): FI 204 or CJ 304.

Special problems involved in homicide investigation including the forensic autopsy.

**FI 350 Crime Scene Processing (3)**

Prerequisite(s): FI 204 or CJ 304.

In-depth and practical look at various types of physical evidence and methods by which evidence is collected and transported to forensic crime laboratories.

**FI 352 Evidence (3)**

Prerequisite(s): CJ 225, FI 225 or CJ 325.

Analysis of the rules of evidence, their origins, and types. Constitutional limitations upon their use, methods of safeguarding their value. The trial and techniques for testifying.

**FI 360 Forensic Pathology (3)**

Prerequisite(s): FI 310 or CJ 430.

This course will address medicolegal terminology, anatomy, and physiology of the human body with emphasis on the understanding of the underlying pathology of sudden, unexpected deaths encountered in forensics, and understanding of medicolegal systems. Determination of manner and causes of death will be heavily emphasized. Methods of personal identification and different types of injuries with their characteristic features and mechanisms of death.

**FI 370 Forensic Osteology (3)**

Prerequisite(s): FI 310 or CJ 430 .

This course presents the protocol for forensic osteology with regard to the examination of skeletal elements. Identification and physical morphology related medicolegal problems will be emphasized. Assessment of human or non-human; time since death and cause of death. Proper recovery of skeletal remains as well as other evidentiary items.

**FI 377 Independent Study in Criminal Justice (3)**

Prerequisite(s): Junior standing with 18 hours in CJ or FI. An opportunity for the advanced student to explore an area of special interest.

Students must have a supervising criminal justice faculty member agree to a written proposal or outline for an appropriate topic for study and then must secure the approval of the department head.

**FI 378 Advanced Seminar in Criminal Justice (3)**

Prerequisite(s): Junior standing with 18 hours in Criminal Justice or Forensic Investigations or department head approval.

An in-depth study of current issues in criminal justice. The content will vary each semester. May be duplicated for a total of six (6) semester hours.

**FI 379 Advanced Seminar in Criminal Justice (3)**

Prerequisite(s): Junior standing with 18 hours in Criminal Justice or Forensic Investigations or department head approval.

An in-depth study of current issues in criminal justice. The content will vary each semester. May be duplicated for a total of six (6) hours.

**FI 410 Imprint/Impression Evidence (3)**

Prerequisite(s): FI 330, FI 340 or CJ 456, or FI 350 or CJ 463.

This course presents types of evidence which are the result of objects and materials that have retained the characteristics of other objects or materials through direct physical contact. Topics will include footwear, tire tracks, bite marks, firearms, tools, pattern injuries and documents. The themes in this course will differentiate between two dimensional and three dimensional evidence.

**FI 411 Victimless Crimes (3)**

Prerequisite(s): Junior Standing with 18 hours of CJ or FI. Study of controversial area of law that deals with consensual crimes.

Topics to be included for discussion may be drugs; obscenity and pornography; prostitution; gambling. The history of legislative enactments and judicial decisions will be dealt with, as well as the social and political implications of enforcement to both police agencies and their clients.

**FI 417 Criminal & Deviant Behavior (3)**

Prerequisite(s): CJ 300, CJ 304, FI 304 or SY 320.

An analysis of criminal and deviant behavior systems with an emphasis on classical and contemporary theories of crime causation.

**FI 430 Arson and Fire Scene Investigation (3)**

Prerequisite(s): FI 350 or CJ 463.

The techniques of crime scene documentation and investigation as they relate to fire and explosion scenes. Evidence recognition and collection, along with a basic understanding of accelerant and explosive residues. Basic principles of reconstruction of the scene, including fire behavior, fire pattern analysis ignition mechanisms, interpretation of human behavior and fire scene analysis.

**FI 450 Advanced Crime Scene Techniques (3)**

Prerequisite(s): FI 350 or CJ 463.

This course will build upon those techniques and procedures learned in Crime Scene Processing (FI 350/CJ 463) as they relate to crime scene reconstruction. An in-depth study of specialized techniques such as bloodstain pattern analysis, bullet trajectory analysis, and fire scene reconstruction. Students will then apply this knowledge during practical exercises which will emphasize current techniques and procedures.

**FI 465 Interviews and Interrogations (3)**

Prerequisite(s): FI 204 or CJ 200 or CJ 202 or CJ 304.

Discussions and practical exercises covering the various techniques used by criminal justice practitioners to elicit information from witnesses and criminal suspects.

**FI 471 Internship in Criminal Justice (3)**

Prerequisite(s): Junior standing, consent of Internship Director, and only for students majoring in Criminal Justice or Forensic Investigation.

Students must also possess an overall 2.5 GPA to participate with a municipal or county agency and a 3.0 overall GPA to participate with a state or federal agency. Supervised work experience in an approved Criminal Justice agency. The student is required to attend a pre-announced orientation meeting prior to beginning internship. (Not open to in-service personnel or those with prior CJ work experience unless approved by Internship Director.)

**FI 472 Senior Internship in Criminal Justice (3)**

Prerequisite(s): Senior standing, consent of Internship Director, and only for students majoring in Criminal Justice or Forensic Investigation.

Student must also possess an overall 2.5 GPA to participate with a municipal or county agency and a 3.0 overall GPA to participate with a state or federal agency. Supervised work experience in an approved Criminal Justice agency. The student is required to attend a pre-announced orientation meeting prior to beginning internship and additional scheduled meetings with the Internship Director. (Not open to in-service personnel or those with prior CJ work experience unless approved by Internship Director.) This is a Senior Capstone course, and satisfactory work requires completing the EPP and other senior exit-requirements.

**FI 475 Drugs of Abuse (3)**

Prerequisite(s): BY 102 and BY 104 or CY 106 and CY 108; CJ 430, FI 310 or NU 306.

Drugs of abuse, their field identification and drug abuse education.

**FI 480 Trace Evidence (3)**

Prerequisite(s): BY 102 and BY 104 or CY 106 and CY 108; CJ 430 or FI 310.

Review of techniques used in the analysis of hairs, fibers, and minute items of evidence related to criminal matters.

**FI 497 Senior Seminar I (3)**

Prerequisite(s): Senior standing in the Criminal Justice major or Forensic Investigation major and completion of all other criminal justice or forensic investigation core requirements.

Capstone course which utilizes the student's knowledge and academic skills, including pursuing archival research, journal keeping, note taking and report writing to address a topic or issue of contemporary interest in criminal justice or one of its sub-fields. While the topic or issue may change with each offering, the skills exercised will be those needed to prepare the senior in criminal justice professions.

**FI 498 Senior Seminar II (3)**

Prerequisite(s): Senior standing in the Criminal Justice or Forensic Investigation major and completion of all other criminal justice or forensic investigation core requirements.

Capstone course which utilizes the student's knowledge and academic skills, including pursuing archival research, journal keeping, note taking and report writing to address a topic or issue of contemporary interest in criminal justice or one of its sub-fields. While the topic or issue may change with each offering, the skills exercised will be those needed to prepare the senior for careers in criminal justice professions.

**FI 499 Senior Seminar III (3)**

Prerequisite(s): Senior standing in the Criminal Justice or Forensic Investigation major and completion of all other criminal justice or Forensic Investigation core requirements.

Capstone course which utilizes the student's knowledge and academic skills, including pursuing archival research, journal keeping, note taking and report writing to address a topic or issue of contemporary interest in criminal justice or one of its sub-fields. While the topic or issue may change with each offering, the skills exercised will be those needed to prepare the senior for careers in criminal justice professions.

## French (FH)

**FH 101 Beginner's French I (3)**

Beginning French grammar, pronunciation, conversation, culture, and supplementary work in the laboratory.

**FH 102 Beginner's French II (3)**

Prerequisite(s): FH 101 or approval of instructor.  
Continuation of Beginner's French I.

**FH 201 Intermediate French I (3)**

Prerequisite(s): FH 102 or approval of instructor.  
A review of French grammar and vocabulary, conversation, and discussion based on short literary selections. Writing short compositions, dialogs, etc. Laboratory required.

**FH 202 Intermediate French II (3)**

Prerequisite(s): FH 201 or approval of instructor.  
Continuation of Intermediate French I. Successful completion of 202 is prerequisite for all courses numbered 300 or higher, except 321 and 322.

**FH 299 Study Abroad (3)**

Prerequisite(s): Permission of academic advisor and pre-approval by department head prior to registration.  
Individual study abroad through a JSU-sponsored program as administered by International Programs; pre-approval within specific disciplines required. May be repeated for credit for a total of 15 semester hours. Grades: Pass/Fail.

**FH 303 Survey of Literature I (3)**

Prerequisite(s): FH 202.  
French literature from the Middle Ages to the Revolution.

**FH 304 Survey of Literature II (3)**

Prerequisite(s): FH 202.  
French literature from from Romanticism to the present.

**FH 310 Advanced Grammar and Composition (3)**

Prerequisite(s): FH 202.  
A thorough study of syntax, structure, vocabulary, and structures that the advanced student should know. Writing expository, descriptive, argumentative, and critical compositions.

**FH 313 Basic Business Communications (3)**

Prerequisite(s): FH 202.  
Practice in written and spoken communications in all types of business situations for those specializing in areas where the language is French.

**FH 320 French Conversation (3)**

Prerequisite(s): FH 202.  
Intensive practice in conversation.

**FH 321 French Civilization I (3)**

Prerequisite(s): None.  
An extensive study of French culture in a historical context, covering prehistory through the French Revolution. Cultural aspects examined include art and architecture, music, literature, politics and government, and social trends. Offered in English.

**FH 322 Francophone Culture (3)**

Prerequisite: None. Introduction to and examination of the culture of various French-speaking countries and regions outside Europe. Offered in English.

**FH 325 French Civilization II (3)**

An extensive study of French culture in a historical context, covering the Napoleonic Age through the present. Cultural aspects include art and architecture, music, literature, politics and government, and social trends. Offered in English.

**FH 416 Seventeenth-Century French Literature (3)**

Prerequisite(s): FH 202.  
Reading and analysis of representative plays by Corneille, Racine, and Molière.

**FH 420 Eighteenth-Century French Literature (3)**

Prerequisite(s): FH 202.  
Literary, social and political trends of the Enlightenment as represented in the works of Montesquieu, Diderot, Voltaire, Rousseau and others.

**FH 430 Nineteenth-Century French Literature I (3)**

Prerequisite(s): FH 202.  
Nineteenth-Century French Novel: reading and analysis of representative works by Stendhal, Hugo, Balzac, Flaubert, Maupassant, and Zola.

**FH 431 Nineteenth-Century French Literature II (3)**

Prerequisite(s): FH 202.  
Nineteenth-Century Poetry and Drama: reading and analysis of poetry and drama representing the major movements of the era, from Romanticism through Symbolism.

**FH 440 Twentieth-Century French Literature I (3)**

Prerequisite(s): FH 202.

Twentieth-Century Novel : reading and analysis of representative works by Gide, Proust, Mauriac, Sartre, Camus and Saint-Exupery.

**FH 441 Twentieth-Century French Literature II (3)**

Prerequisite(s): FH 202.

Twentieth-Century Poetry and Drama: reading and analysis of poetry and drama from the major movements, including Surrealism, Theater of the Absurd, Existentialism, etc.

## General Business (CBA)

**CBA 100 CBA Orientation (1)**

Orientation to the CCBA. Topics include: Personal and social skills, academic/study skills, College career planning, advising, program requirements, and use of library.

**CBA 115 Business Fundamentals/Orientation (3)**

Course provides a general overview of the various functional business operations with an emphasis on the role of the enterprise within modern society. (Not open to CCBA Juniors and Seniors)

**CBA 300 American Business Enterprise (3)**

Prerequisite(s): EC 221 and EC 222.

This course examines the evolution of business activity in America, including large industrial enterprises, monopolies, financial institutions, and finally, the rise of the internet and service economies. Scheduled on demand.

**CBA 350 Business Communications (3)**

Prerequisite(s): EH 101, 102, 141, Junior Standing, ACC 200, 210, EC 221, 222, MS 112, and ST 260.

Principles, procedures, and skills underlying oral and written communications in the field of business.

**CBA 390 Operations Management (3)**

Prerequisite(s): MGT 301 and ST 261.

Students are introduced to the basic theories and practices of production and operations management as essential in the management of a business enterprise. Principles, concepts, and management-related issues and how operations management influences the performances of manufacturing and global operations strategy, project management, forecasting, new product development, quality management, process strategies, linear programming, etc. are included. Model formulations and applications are emphasized in solving business decision problems.

**CBA 396 International Business (3)**

Prerequisite(s): ACC 200, 210, EC 221, 222, MS 112, ST 260, ST 260L. Junior Standing.

Study of the nature and scope of international business, including the basic problems associated with international trade, payments, investment, and cultural differences.

**CBA 399 Study Abroad (3)**

Prerequisite(s): Consent of instructor and department head.

Students will travel to a foreign country to participate in an academic program provided by a university located in that country. Students will also study business practices common to the particular country being visited. Cultural similarities and differences will also be a focus of the trip.

**CBA 469 Business Policy and Strategy (3)**

Prerequisite(s): Completion of all 200-300 level CCBA Core courses - ACC 200, 210, CBA 350 or EH 322, CBA 390, 396, CS 201, EC 221, 222, 303 or 321 or 322, FIN 292, 301, IME 375, MGT 301, 305, and MKT 301. Senior status. Focuses on the formulation and implementation of business strategy and establishment and maintenance of an efficient organization.

**CBA 487 Seminar in Entrepreneurial Service Learning (3)**

Prerequisite(s): Junior status and consent of instructor.

Supervised practical application of the principles of entrepreneurship and free enterprise. Students will create, organize, and execute projects in the local and regional communities. In addition, students will enhance their team building and communication skills. The course offers opportunities for networking with community and business leaders. This course is open to all majors and provides an excellent opportunity for students to engage in and benefit from service-learning.

**CBA 488 Small Business Experience (3)**

Prerequisite(s): Completion of all 200-300 level CCBA Core courses - ACC 200, 210, CBA 350 or EH 322, CBA 390, 396, CS 201, EC 221, 222, 303 or 321 or 322, FIN 292, 301, IME 375, MGT 301, 305, MKT 301 and Senior status.

An integrating management course that focuses on the special problems and skills related to starting, maintaining and expanding small business in a dynamic environment.

## General Science (GS)

**GS 191 Special Topics in Science (1)**

Prerequisite(s): Approval of Dean of School of Science. May be taken twice for maximum of two credit hours

## Geography (GY)

**GY 120 World Regional Geography (3)**

This course examines major world regions, each the unique result of interaction between an environmental setting and human social and economic activity.

**GY 208 Map Reading (3)**

An introduction to basic map reading and analysis involving symbol identification, coordinate location, and direction and distance measurement. Emphasis is upon using the topographic map. The development of geographic theory and methodology, with stress upon its relevance to current work in the discipline. Two hours lecture, two hours lab.

**GY 210 Earth and Space Science (3)**

A one semester overview of Earth including comparison to other planets in the solar system, its landsurface features, its atmospheric patterns, its soils and biomes. This course cannot be used in the Geography major or minor and cannot be used as a prerequisite for upper-level physical geography courses.

**GY 220 Human Geography (3)**

The study of social and cultural patterns, emphasizing the arrangement and diversity of economic, social, political, religious, and demographic culture traits.

**GY 250 Physical Geography I: Atmospheric Patterns and Processes (3)**

GY 252 lab is required but not concurrently. Study of the function and distribution of the interrelated processes that shape Earth's weather and the classification and distribution of Earth's climates.



**GY 251 Physical Geography II: Landscape Patterns and Processes (3)**

GY 253 is required but not concurrently. Study of Earth's soils, biomes and physiographic regions with emphasis on the processes that formed them and their global patterns.

**GY 252 Physical Geography Lab I (1)**

GY 250 is required but not concurrently. Experiments focus on weather, energy and moisture budgets, and climatic classifications. One two-hour lab per week.

**GY 253 Physical Geography Lab II (1)**

GY 251 is required but not concurrently. Exercises focus on study of the physical properties of soils, the analysis of biomes, the use of topographic maps to identify land surface features and the identification of physiographic regions. One two-hour lab per week.

**GY 302 Remote Sensing (3)**

Prerequisite(s): GY 208.

A general introduction to the principles and applications of remote sensing with an emphasis on aerial photography.

**GY 307 Geographic Information Systems (3)**

Prerequisite(s): GY 208.

Introduction to the cartographic acquisition, processing, management, manipulation, analysis, and generation of spatial digital data in a Geographic Information System.

**GY 320 Political Geography (3)**

A study of the spatial aspects of political phenomena from the international to the local scale. Suggested background: GY 220.

**GY 331 Climatology (3)**

A study of climates, how they are classified, and their effect upon human activity.

**GY 333 Meteorology (3)**

Recommended: GY 250. The study of weather types and their causes, weather instrumentation, the construction and interpretation of weather maps, analog and synoptic forecasting, and weather modification.

**GY 341 Economic Geography (3)**

(3). A survey of the factors which influence the location of economic activities with emphasis on the application of various elementary techniques designed to determine the relative economic potential of any place.

**GY 351 Advanced Regional Study (3)**

Examination of the interrelations among various physical and cultural elements that make regions of the world distinctive. Regional focus varies. See instructor. May be duplicated for credit for a total of 12 semester hours.

**GY 352 Geomorphology (3)**

Prerequisite(s): GL 241 or GY 251.

Geomorphology examines processes that have shaped, and continue to shape, the landscape around us. Resulting landforms and the forces involved are explored using both qualitative and quantitative methods. This course considers issues such as land use and land cover, and the ongoing interaction between human activity and geomorphic processes in the local region. Landforms and processes are analyzed at various temporal and spatial scales, and in terms of relevant theories and principles.

**GY 361 Geography of the Arab World (3)**

This course employs a macro geographical (regional and systematic) approach that introduces the students to the process of social and political change in the Arab World. The focus will be on the political, social, environmental and economic positions and interaction of the major players within the region. We look at the complexity of the region and its historical-cultural specifics. From a geopolitical perspective we survey recent socioeconomic and political exchanges and look at events that have begun to transform the contemporary Arab World, most notably the "Arab Spring" and the uprisings of Summer and Fall of 2012 and how these events are recursors to continued change.

**GY 398 National Parks Interpretation (3)**

Students will receive intensive training preparing them to work as student interns at Little River Canyon National Preserve. Several days of travel to Little River Canyon will be required.

**GY 399 Study Tour (3)**

Prerequisite(s): Approval of instructor.

Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only 3 credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.

**GY 401 Practicum in Geography (3)**

Prerequisite(s): Approval of instructor.

This course provides opportunity to gain on-the-job experience with a firm or government agency. May be duplicated for credit for a total of 6 semester hours. Grades: Pass/Fail.

**GY 403 Independent Study (1)**

Prerequisite(s): Approval of instructor required.

This course gives the advanced student opportunity to pursue directed research. May be duplicated for credit for a total of 3 semester hours. Grades: Pass/Fail.

**GY 406 Digital Image Analysis (3)**

Prerequisite(s): GY 302.

Advanced instruction in multi-spectral, thermal and microwave sensing of the geographic environment. Emphasis on analysis of digital imagery.

**GY 407 Advanced Geomorphology (3)**

Prerequisite(s): GY 352.

This course covers the erosional, transportation, and depositional processes responsible for shaping Earth's surface. Specifically, the course reviews hydrologic geomorphology (surface water, groundwater, and glacial ice), aeolian and desert geomorphology, plate tectonics, volcanism, and hillslope processes. This course will combine lectures, readings based on recent contributions to the field, discussions, field data collection, calculations, and other activities.

**GY 431 Topics in Physical Geography (3)**

Advanced geographic study of various facets of the natural environment; topic selection varies; see instructor. May be duplicated for credit for a total of 12 semester hours.

**GY 451 Advanced GIS (3)**

Permission of instructor required. Advanced training in selected geographic techniques. Topic selection varies. See instructor. May be duplicated for credit for a total of 12 semester hours.

**GY 453 Analyzing Spatial Networks (3)**

Prerequisite(s): GY 307.

Undergraduate Introduction to topology theory and its employment in GIS network analysis. Emphasis on methods of determining efficient paths, modeling network flows, and creating efficient service areas for organization entities.

**GY 454 Site Location Analysis (3)**

Prerequisite(s): GY 307.

Undergraduate Emphasis on evaluating existing site location efficiencies, determining of appropriate point site and area site locations for organizational entities, and analyzing environmental impact analyses using GIS.

**GY 456 Spatial Data, Layout and Display (3)**

Prerequisite(s): GY 307.

Undergraduate Fundamentals of map composition and layout, chart creation, data classification and map design to produce meaningful maps and charts of the results of spatial analysis.

**GY 459 Spatial Data Collection and Management (3)**

Prerequisite(s): GY 307.

Undergraduate Methods of capturing data, acquiring and importing existing spatial data into geographic information systems, deriving spatial information from remotely sensed data, and storing spatial data.

**GY 466 Topics in Cultural Geography (3)**

Advanced geographic study of various facets of human culture. Topic selection varies. May be duplicated for credit for a total of 12 semester hours.

**GY 475 Natural Hazards (3)**

An introduction to natural hazards, their causes, distribution and impacts. Focus on human perception, vulnerability and risk analysis.

**GY 490 Colloquium (1)**

Prerequisite(s): A completed piece of research must be submitted prior to enrollment in this course.

Results of a basic research project in geography are presented in a conference setting using PowerPoint or equivalent software. Grades: Pass/Fail.

## Geology (GL)

**GL 241 Physical Geology (3)**

GL 243 is required but not concurrently. Modern concepts of the Earth's physical composition, crustal structures, and the internal/external forces acting on them.

**GL 242 Historical Geology (3)**

GL 244 is required but not concurrently. Study of the Earth's evolution, including changes in its crust, surface features, atmosphere, and life forms.

**GL 243 Physical Geology Lab (1)**

GL 241 is required but not concurrently. Emphasis on rock/mineral identification and the study of landforms through topographic and geologic map interpretation. One two-hour lab per week.

**GL 244 Historical Geology Lab (1)**

GL 242 is required but not concurrently. Study of Earth history using geologic maps and the fossil record of plant and animal development. One two-hour lab per week.

## Health & PE (HPE)

**HPE 103 Foundations of Health and Physical Education (3)**

(Professional) An introduction to the profession including physical activities, health education and wellness concepts. The purpose of this course is to identify and describe historical, philosophical, and theoretical foundations and social perspectives of PE and Health behavior and standards. Candidates will be required to take and pass a fitness assessment. HPE 303 is a prerequisite to HPE 355, 356 and 357. Successful completion of HPE 103 is required prior to teacher education eligibility. A Pre-test Fitness Assessment for HPE candidates will be given in the course.

**HPE 104 Aerobics and Fitness (3)**

(General Service) The course is designed to provide students with various aerobically based activities for overall fitness and health of the body.

**HPE 108 Pound (2)**

(General Service) A basic introduction to drumming skills used for improving cardiovascular fitness.

**HPE 109 Concepts of Wellness (3)**

(General Service) Study of basic concepts of wellness including: nutrition, cancer prevention, addictions, STDs, and physical fitness including principles of exercise, stress management, weight control, and the management of emergencies, accidents, and injuries.

**HPE 110 Barre Pilates (2)**

(General Service) An introduction to the basics of ballet, fitness, strength, and pilates.

**HPE 111 Beginning Hiking (1)**

(General Service) Basic skills in hiking including planning, clothing, map reading, safety, types of hikes and hiking trips (TBA).

**HPE 113 Mountain Biking (1)**

(General Service) Basic skills in off-road cycling.

**HPE 114 Bicycling (1)**

(General Service) An introductory course in the lifetime activity of cycling. A 10 hour lab is required. The safety, repair, riding, and value are covered.

**HPE 115 Beginning Fitness (1)**

(General Service) Introduction to basic physical fitness activities.

**HPE 116 Body Shaping (3)**

(General Service) An introduction to the basic principles of fitness as they relate to fatty weight loss and muscular development.

**HPE 117 Introduction to Yoga (1)**

(General Service) An introduction course in the ancient system of mind-body exercise that offers benefits including increased flexibility, greater strength, and improved concentration.

**HPE 118 Beginning Bowling (1)**

(General Service) Basic skills in bowling. Elective credit only, cannot be used to satisfy HPER requirements.

**HPE 119 Beginning Fencing (1)**

(General Service) Basic skills in foil fencing. Elective credit only, cannot be used to satisfy HPER requirements.

**HPE 120 Introduction to Pilates (1)**

(General Service) The purpose of this course is to provide an introduction to Pilates consisting of safety considerations, breathing techniques, and exercises for upper and lower body strength and endurance, core strength and endurance, and flexibility.

**HPE 121 Beginning Weight Training (2)**

(General Service) Basic skills in weight training.

**HPE 122 Beginning Tennis (1)**

(General Service) Basic skills in tennis.

**HPE 123 Beginning Racquetball (1)**

(General Service) Basic skills in racquetball.

**HPE 124 Beginning Golf (1)**

(General Service) Basic skills in golf.

**HPE 125 Beginning Archery (1)**

(General Service) Basic skills in archery. Elective credit only, cannot be used to satisfy HPER requirement.

**HPE 126 Beginning Volleyball (1)**

(General Service) Basic skills in volleyball. Elective credit only, cannot be used to satisfy HPER requirement.

**HPE 127 Net Games (1)**

(General Service) Basic skills in badminton, pickle ball, and deck tennis.

**HPE 128 Table Games (1)**

(General Service) Basic skills in table tennis and billiards. Elective credit only, cannot be used to satisfy HPER requirements.

**HPE 130 Tap and Clogging Dance (1)**

(General Service) Basic skills in tap and clogging dancing.

**HPE 132 Folk and Square Dance (1)**

(General Service) Basic skills in folk and square dancing.

**HPE 134 Social and Ballroom Dance (1)**

(General Service) Basic skills in social and ballroom dancing.

**HPE 136 Ballroom and Fox Trot (1)**

(General Service) Introduction to Foxtrot, Slow Waltz, Viennese Waltz, and American Tango dances.

**HPE 137 Ballroom and Latin (1)**

(General Service) Introduction to Latin dance steps, such as merengue and salsa.

**HPE 138 Swing (1)**

(General Service) Instruction in "swing" dance steps, such as swing, jitterbug, rock and roll.

**HPE 139 Line Dancing (1)**

(General Service) Performing dance movements in unison to music and consists of patterned foot measurements that are performed to a number of counts in sequence. Several popular tunes will be used. Also, two-step will be introduced.

**HPE 140 Alpine Skiing (1)**

(General Service) Basic skills in alpine skiing. Six hours of dry-land instruction and three days (20 hours) of on-snow instruction. Students pay all expenses.

**HPE 141 Alpine Skiing II (1)**

Prerequisite(s): PE 140 or approval of instructor.

(General Service) Advanced skills in alpine skiing. Four hours of dry-land instruction and three days (20 hours) of on-snow instruction. Students pay all expenses.

**HPE 142 Zumba (2)**

(General Service) The purpose of this course is to provide an introduction to Zumba consisting of safety considerations, techniques, and Zumba exercises for health related fitness.

**HPE 143 Beach Volleyball (1)**

(General Service) Basic instruction in beach volleyball. Elective credit only, cannot be used to satisfy HPER requirements.

**HPE 144 Fitness Boot Camp (2)**

(General Service) This course offers an intense workout that will greatly improve your cardiovascular and muscular fitness. This military-style fitness class will include jogging, running, core strength exercises, obstacle courses, plyometrics, resistance training, and fat-blasting games.

**HPE 145 Team Sport Skills (2)**

(General Service) The purpose of this course is to provide experiences that will lead to the development of team sports skills. In addition to skill acquisition, the course will focus on the development of the knowledge and positive dispositions associated with team sports activities. Students will be expected to achieve an intermediate level of skill in specified team sports.

**HPE 146 Individual and Dual Sports Skills (2)**

(General Service) The purpose of this course is to provide experiences that will lead to the development of individual and dual sports skills. In addition to skills acquisition, the course will focus on the development of the knowledge and positive dispositions associated with individual and dual sports activities. Students will be expected to achieve an intermediate level of skill in specified individual and dual sports. Practice outside of classtime may be required for students to achieve the expected performance level.

**HPE 147 CrossFit Functional Fitness I (2)**

(General Service) Basic core strength and conditioning associated with the development and maintenance of general physical fitness. Activities may include, but are not limited to, strength training and endurance exercises.

**HPE 148 CrossFit Functional Fitness II (2)**

Prerequisite(s): HPE 147.

(General Service) Advanced core strength and conditioning associated with the development and maintenance of general physical fitness. Activities may include, but are not limited to strength training and endurance exercises.

**HPE 149 Aqua Zumba (3)**

(General Service) Aqua Zumba combines the high-energy, fitness dance formula and philosophy of Zumba with traditional aqua fitness disciplines. The Aqua Zumba class blends the two together in a safe, challenging, water-based workout that's cardio-conditioning, body-toning, and most of all, exhilarating.

**HPE 150 Beginning Swimming (1)**

(General Service) The adaptation of the water and basic strokes of swimming. Non-swimmers only.

**HPE 151 Aqua Aerobics (3)**

(General Service) Low impact exercises performed in the medium of water.

**HPE 152 Angling (1)**

(General Service) Basic fundamentals of fishing.

**HPE 153 Life Guarding (2)**

(General Service) Elementary and advanced forms of rescue including: approaches, escapes, carries, removal from water, and preventive life guarding. ARC lifeguard certification awarded if CPR and first aid requirements have previously been met. (See instructor for specific details.)

**HPE 154 Lifeguard Instructor (2)**

Prerequisite(s): Instructor certification in CPR and first aid (ARC) and current lifeguard certification.  
(General Service) Preparation to become certification instructor in Lifeguarding.

**HPE 155 Community Water Safety (1)**

(General Service) The course covers emergency procedures, spinal injuries, and other aquatic activities.

**HPE 156 Swimming for Fitness (1)**

(General Service) This course is designed for students with intermediate swimming skills interested in learning and applying conditioning and training to swimming. Individual workloads are determined and self-paced programs are centered on those workloads.

**HPE 157 Water Safety Instructor (2)**

Prerequisite(s): current lifeguard instructor certification.

(General Service) Water safety instructor certification. A 10 hour laboratory is required.

**HPE 158 Canoe and Rafting (2)**

(General Service) Essential skills for river canoeing and whitewater rafting.

**HPE 159 Scuba Diving (3)**

(General Service) Knowledge and skill development in scuba diving. Eight hours pool work, five hours open water diving. Experienced swimmers only. Student pays all expenses.

**HPE 160 Introduction to Judo (2)**

(General Service) Introduction to Judo.

**HPE 161 Martial Arts (2)**

(General Service) Basic skills in aikido including: etiquette, warm-up activities, falls, throws, principles of movement and self defense.

**HPE 162 Beginning Tai Chi (1)**

(General Service) A study of the 24 basic forms of Tai Chi, a martial art. Elective credit only, cannot be used to satisfy HPER requirements.

**HPE 164 Rock Climbing and Rappelling (2)**

(General Service) Students will participate in on-campus skill sessions and two weekends of natural rock climbing and cliff rappelling.

**HPE 165 Introduction Exercise Science and Wellness (1)**

(Professional) An introduction to careers and opportunities in the field of exercise science and wellness. Students majoring in ESW are required to complete this course prior to their junior year. Practicum required.

**HPE 170 Basic Skills in Jazz Dance (1)**

(General Service) Basic skills in Jazz Dance. Elective only, cannot be used to satisfy HPER requirement.

**HPE 189 Academic Success for Student Athletes (1)**

(General Service) A course for freshmen student-athletes to enhance a successful transition from high school to college life. Orientation to the JSU athletics program and NCAA rules and regulations are included. Special emphasis is placed on academic excellence, athletic excellence, personal and career development, and a commitment of service to the campus and community.

**HPE 191 Varsity Sports (1)**

(General Service) Successful participation in major varsity sports (Male and Female). May be duplicated for credit to a maximum of eight semesters.

**HPE 209 Essentials of Human Performance (3)**

Prerequisite(s): HPE 109.

(Professional) An introduction to the scientific principles of the human body/organ systems as related to human performance. This course is recommended prior to BY 263 for ESW majors.

**HPE 212 Personal and Community Health (3)**

(Professional) The development of habits, attitudes, and knowledge concerning health, and the professional preparation of individuals for work in the community health field.

**HPE 232 Sports Safety and First Aid Training (2)**

(Professional) This course is designed for in-depth study of emergency medical treatment in case of accidents or serious illness. The study of body functions, body framework and all types of injuries are considered.

**HPE 260 Motor Development (3)**

Theoretical and practical principles of motor development, with special emphasis on identification and assessment. A student practicum will be required.

**HPE 272 Basic Athletic Training (3)**

Corequisite(s): HPE 209 or BY 263.

Prerequisite or (Professional) Introduction to the athletic training profession. Prevention, etiology, and management of athletic injuries will be stressed. Basic anatomy and first aid will be reviewed.

**HPE 275 Advanced Athletic Training (3)**

Prerequisite(s): HPE 272 or permission of instructor.

(Professional) Advanced athletic training fundamentals including prevention, evaluation, care and etiology of athletic injuries. Legal, professional, and ethical considerations will be discussed.

**HPE 284 Beginning Practicum in Athletic Training (1)**

Prerequisite(s): Consent of Instructor.

(Professional) An introduction to the basic principles of athletic training in the college environment. May be repeated a total of 4 times for credit.

**HPE 285 Beginning Practicum in Strength and Conditioning (1)**

Prerequisite(s): Consent of Instructor.

(Professional) An introduction to the basic principles of strength and conditioning in the college environment. May be repeated a total of 4 times for credit.

**HPE 286 Beginning Practicum in Personal Training (1)**

Prerequisite(s): Consent of instructor.

(Professional) An introduction to the basic principles of personal training in the university wellness setting. May be repeated a total of 4 times for credit.

**HPE 300 Practicum in Physical Education (3)**

Prerequisite(s): Nine hours in physical education including HPE 101.

(Professional) Directed experience in observations and participation in physical education classes. Seminars will be held in conjunction with this course.

**HPE 301 Industry Management (3)**

(Professional) The purpose of this course is to introduce students to the fundamental concepts, principles, and best practices associated with managing a business within the industry of their major. This course was developed with the intent of providing students with a general overview of the management issues facing fitness professionals in their careers.

**HPE 302 Practicum in Coaching (3)**

Field experience in coaching.

**HPE 303 Foundations of Physical Education & Sport Studies (3)**

(Professional) An introduction to the profession including physical activities, health and wellness concepts, professional organizations, career opportunities, historical development, development of a sound professional philosophy. HPE 303 is a prerequisite to HPE 355, 356 and 357. Successful completion of HPE 303 is required prior to teacher education eligibility.

**HPE 312 Health Problems and Disease Prevention (3)**

(Professional) An overview of health problems and disease prevention in today's society. An analysis of a variety of personal, social and environmental factors is explored.

**HPE 315 Community and Consumer Health (3)**

(3) (Professional) This course is designed to offer science-based facts and guidelines on consumer health within the community.

**HPE 316 Current Issues and Trends in Health (3)**

This course is an intense study of specific health issues and trends affecting today's society.

**HPE 318 Health for Special Populations (3)**

(Professional) This course is designed to offer science-based facts and guidelines on consumer health within the community.

**HPE 320 Seminar in Coaching Baseball (1)**

(Professional) This course is intended to introduce prospective baseball coaches to techniques, strategies, team management, motivation, conditioning, equipment selection/fitting, and scheduling. It offers an introduction into rules, organization, and administrative details relative to the game of baseball.

**HPE 321 Seminar in Coaching Basketball (1)**

(Professional) This course is intended to introduce prospective basketball coaches to techniques, strategies, team management, motivation, conditioning, equipment selection/fitting, and scheduling. It offers an introduction into rules, organization, and administrative details relative to the game of basketball.

**HPE 322 Seminar in Coaching Cheerleading (1)**

(Professional) This course is intended to introduce prospective cheerleading coaches to techniques, strategies, team management, motivation, conditioning, equipment selection/fitting, and scheduling. It offers an introduction into organization, and administrative details relative to cheerleading.

**HPE 323 Seminar in Coaching Defensive Football (1)**

(Professional) This course is intended to introduce prospective defensive football coaches to techniques, strategies, team management, motivation, conditioning, and equipment selection/fitting. It offers an introduction into rules, organization, and administrative details relative to coaching defensive football.

**HPE 324 Seminar in Coaching Offensive Football (1)**

(Professional) Strategies and techniques for coaching offensive football.

**HPE 325 Seminar in Coaching Golf (1)**

(Professional) This course is intended to introduce prospective golf coaches to techniques, strategies, team management, motivation, conditioning, equipment selection/fitting, and scheduling. It offers an introduction into rules, organization, and administrative details relative to the game of golf.

**HPE 326 Seminar in Coaching Rifle (1)**

(Professional) This course is intended to introduce prospective rifle coaches to techniques, strategies, team management, motivation, conditioning, equipment selection/fitting, and scheduling. It offers an introduction into rules, organization, and administrative details relative to the sport of rifle.

**HPE 327 Seminar in Coaching Soccer (1)**

(Professional) This course is intended to introduce prospective soccer coaches to techniques, strategies, team management, motivation, conditioning, equipment selection/fitting, and scheduling. It offers an introduction into rules, organization, and administrative details relative to the game of soccer.

**HPE 328 Seminar in Coaching Softball (1)**

(Professional) This course is intended to introduce prospective softball coaches to techniques, strategies, team management, motivation, conditioning, equipment selection/fitting, and scheduling. It offers an introduction into rules, organization, and administrative details relative to the game of softball.

**HPE 329 Seminar in Coaching Tennis (1)**

(Professional) This course is intended to introduce prospective tennis coaches to techniques, strategies, team management, motivation, conditioning, equipment selection/fitting, and scheduling. It offers an introduction into rules, organization, and administrative details relative to the game of tennis.

**HPE 330 Seminar in Coaching Track and Field (1)**

(Professional) This course is intended to introduce prospective track and field coaches to techniques, strategies, team management, motivation, conditioning, equipment selection/fitting, and scheduling. It offers an introduction into rules, organization, and administrative details relative to track and field.

**HPE 331 Seminar in Coaching Volleyball (1)**

(Professional) This course is intended to introduce prospective volleyball coaches to techniques, strategies, team management, motivation, conditioning, equipment selection/fitting, and scheduling. It offers an introduction into rules, organization, and administrative details relative to the game of volleyball.

**HPE 350 Introduction to Personal Training (3)**

Prerequisite(s): Junior Standing.

(Professional) The purpose of this course is to prepare the student to take a valid personal trainer certification exam. At the completion of the course, the student will have a basic understanding of the design and delivery of exercise programs for clients with varying levels of health with different needs and goals.

**HPE 355 Introductory Methods of Elementary HPE (3)**

Prerequisite(s): HPE 103.

Corequisite(s): HPE 356 and 357.

(Professional) A practicum is required. Course designed to teach correction and analysis of elementary physical education motor skill performance, personal competence of motor and performance skills, implement long and short term plans linked to instructional goals and aligned with standards and objectives, plan lessons for diverse learners, demonstrate competent verbal and non-verbal communication, and effectively manage, adapt, and modify of a lesson based on student performance in Health and PE.

**HPE 356 Introductory Methods of Secondary HPE (3)**

Prerequisite(s): HPE 103.

Corequisites: HPE 355 and 357. (Professional) A practicum is required.

Course is designed to teach correction and analyzation of secondary physical education motor skill performance, personal competence of various motor and performance skills. In the Health and PE setting, candidates will learn to implement long and short-term plans linked to instructional goals and aligned with standards and objectives, plan lessons for diverse learners, demonstrate competent verbal and non-verbal communication while instructing students, and effectively manage, adapt and modify of a lesson based on student performance at the secondary level.

**HPE 357 21st Century Technology in HPE (3)**

Prerequisite(s): HPE 103.

Corequisite(s): HPE 355 and 356.

(Professional) A practicum is required. Ed 302 and HPE 355, 356, and 367 must be successfully completed prior to teacher education eligibility. Course is designed to allow candidates to demonstrate knowledge of current technology by planning and implementing learning experiences that require students to appropriately use technology to meet lesson objectives in Health Education and Physical Education.

**HPE 360 Child and Adolescent Health and Wellness (3)**

(Professional) This course deals with child and adolescent health and wellness. Specifically, it deals with assisting children adolescents develop positive health habits.

**HPE 361 Health and Physical Education in Elementary School (3)**

Basic knowledge of Health and PE in elementary school. Emphasis on health topics and PE activities. Intended to satisfy ECE and EED certification requirements.

**HPE 362 Kinesiology (3)**

Prerequisite(s): BY 263 or HPE 209.

(Professional) A science of human motion, and analysis of body movements and action of muscles in human activities.

**HPE 370 School Health Programs (3)**

This course deals with child and adolescent health and wellness in school settings. Candidates will be able to describe theoretical foundations of health behavior using the National Health Education Standards, and health literacy skills of an informed consumer by accessing, collecting, and inferring a variety of reliable health related data from comprehensive and coordinated school health programs.

**HPE 372 Assessment of Athletic Injuries (3)**

Prerequisite(s): HPE 275 or permission of instructor.

(Professional) Evaluation of injuries which occur in athletics. Special attention will be given to the orthopedic assessment of joint injuries.

**HPE 375 Therapeutic Exercise and Modalities (3)**

Prerequisite(s): HPE 209, BY 263, and HPE 272.

(Professional) Theory and use of therapeutic modalities and rehabilitative exercise. Students will have the opportunity to learn through special experience.

**HPE 381 Inclusive Physical Education (3)**

(Professional) Introductory course in the field of Inclusive Physical Education that provides an understanding of the nature, behavioral characteristics and motor limitations of various disabilities and basic skills necessary to prepare meaningful individualized movement experiences of individuals with special needs functioning in an integrated, segregated, community or home environment. A student practicum will be required.

**HPE 385 Practicum in Special Physical Education and Recreation (3)**

(Professional) Directed practical experiences in physical education and recreation with exceptional individuals. A student practicum will be required.

**HPE 391 Methods and Principles in Coaching (3)**

(Professional) Theory and technique of coaching. Psychological aspects and scientific principles of movement are considered.

**HPE 394 Coaching Skills Practicum (3)**

(Professional) Reflective field experience in coaching.

**HPE 397 Independent Study in Health, Physical Education and Recreation (1)**

(Professional) Opportunity for undergraduate students to explore a particular area of personal interest in HPER. Approval of instructor and department head required.

**HPE 398 Independent Study in Health, Physical Education and Recreation (2)**

(Professional) Opportunity for undergraduate students to explore a particular area of personal interest in HPER. Approval of instructor and department head required.

**HPE 399 Independent Study in Health, Physical Education and Recreation (3)**

(Professional) Opportunity for undergraduate students to explore a particular area of personal interest in HPER. Approval of instructor and department head required.

**HPE 400 Exercise Physiology (3)**

Prerequisite(s): BY 263.

(Professional) The study of the effects of exercise on the various human physiological systems. Special attention will be given to energy metabolism, cardiovascular parameters, pulmonary function, muscle structure and function, neuromuscular integration, and environmental factors.

**HPE 401 Physical Education for Exceptional Children (3)**

Emphasis will be on activities of a recreational nature which may be used with the exceptional child. A student practicum will be required.

**HPE 403 Special Olympics and Athletics for Special Populations (3)**

(Professional) Historical and current trends overview of sports for the handicapped. All types of handicapping conditions will be considered. Special attention will be on Special Olympics activities. Active involvement in the Special Olympics will be required.

**HPE 404 Test and Measurements in HPE (3)**

Techniques of test evaluation, administration, and interpretations in Health and PE. Emphasis will be on physical fitness, health related data, body mechanics, sports skills, and knowledge tests. Candidates will learn to use appropriate assessments to evaluate student learning before, during, and after instruction and utilize the reflective cycle to implement change in teacher performance, student learning, and/or instructional goals and decisions in Health and PE.

**HPE 405 Scientific Principles of Conditioning (3)**

Prerequisite(s): Junior standing.

(Professional) Application of scientific principles to the training and conditioning of athletics are taught. Emphasis will be directed toward strength, endurance, and speed acquisition, ergogenic aids, and nutrition.

**HPE 406 Physical Fitness Techniques (3)**

Prerequisite(s): HPE 209, 362, 400.

(Professional) Detailed analysis of techniques associated with instruction in aerobic and anaerobic exercise. Special emphasis is placed on weight training, dance aerobics, and aqua aerobics.

**HPE 409 Methods of Teaching Physical Education, P-5 (3)**

Prerequisite(s): ED 302, HPE 355, HPE 356, and HPE 357.

Corequisite(s): To be taken concurrently with HPE 410 and HPE 411.

(Professional) Course is designed to teach developmentally appropriate elementary physical education instruction of motor skill performance in long and short term standards based plans, verbal and non-verbal communication, effective management, adaptation, and modifications of a lesson based on student performance.

**HPE 410 Methods of Teaching PE, 6-12 (3)**

Prerequisite(s): HPE 355, HPE 356, and HPE 357.

Corequisite(s): To be taken concurrently with HPE 409 and HPE 411.

(Professional) Methods and techniques of teaching 6-12 physical education instruction are taught. Candidates apply physiological and biomechanical concepts, motor learning, behavioral, and motor development theory to implement standards-based instruction and assessments. Candidates will demonstrate verbal and non-verbal communication, supports, differentiation, and management through the reflective cycle and apply professional ethics and collaboration as it relates to effective teaching.

**HPE 411 Practicum in Physical Education, P-12 (2)**

Prerequisite(s): ED 302, HPE 355, HPE 356, and HPE 357.

Corequisite(s): To be taken concurrently with HPE 409 and HPE 410.

(Professional) This is a field experience course specific to the application of methods and materials for P-12 physical education. Candidates utilize the reflective cycle to implement change in performance, learning and instructional goals, participate in collaborative growth activities, responsible personal and social behaviors in a productive learning environment.

**HPE 412 Special Projects in Health Education (3)**

(Professional) Student participation in solving actual problems related to health.

**HPE 413 Exercise Physiology Lab (1)**

This course provides experiential lab experiences to enhance knowledge acquired in HPE 400 - Exercise Physiology. This course emphasized understanding, measuring, and interpreting the systemic physiologic responses to exercise.

**HPE 415 Biomechanics (3)**

Prerequisite(s): HPE 362.

(Professional) This course is a study of human movement with emphasis on biomechanical principles and their application to sport and exercise.

**HPE 416 Methods of Teaching Health Education (3)**

(Professional) Effective teaching practices, multiple instructional strategies, and implementation of developmentally appropriate health education instruction to accommodate all students are taught in this course. Candidates will learn how to assess needs to determine priorities for school health education, plan and implement effective NHE standards aligned comprehensive school health education curricula through effective instruction and assessment of student learning. Using technology to develop school health programs, advocate for and serve as a resource person in health education.

**HPE 417 Practicum in Health Education (1)**

Prerequisite(s): HPE 355, HPE 356, and HPE 357.

(Professional) This is a field experience course specific to the application of administration, curriculum, planning, instruction, and assessment for health education. Candidates will be able to apply what they have learned concerning classroom management, professionalism, advocacy, needs assessment data, administration and coordination of a comprehensive school health program.

**HPE 420 Health Aspects of Aging (3)**

(Professional) The physical, social, emotional, and mental aspects of healthy aging will be explored.

**HPE 430 Exercise Prescription (3)**

Prerequisite(s): HPE 400.

This course provides skills and methodology in exercise prescription for healthy and special populations with special emphasis placed on the investigation of pathophysiological characteristics, epidemiological considerations, fitness assessment, evaluation procedures, and individualized exercise prescription.

**HPE 440 Fitness Testing (3)**

Prerequisite(s): HPE 362, 400 and assessment into the Exercise Science and Wellness Program.

(Professional) Detailed analysis of different fitness tests. Particular attention to cardiovascular tests, interpretation of results and prescription of exercise and activities.

**HPE 441 Design of Wellness Programs (3)**

Prerequisite(s): HPE 362, 400, 440, Senior Status and assessment into the Exercise Science and Wellness Program.

(Professional) Study of the different areas in wellness programming such as smoking cessation, nutrition, stress awareness, and various fitness programs. This class includes directed practical activities as well as a comprehensive semester project.

**HPE 450 ESW Research Seminar (3)**

Prerequisite(s): MS 204 or SY 304, HPE 400 and assessment into the Exercise Science and Wellness Program.

(Professional) This class is designed to expose undergraduate students to research in the field of exercise science and wellness. Particular attention will be paid to developing a research idea, applying to the institutional review board for ethics approval, data collection, data analysis and manuscript preparation.

**HPE 462 Effective Teaching in HPE (3)**

Prerequisite(s): HPE 103.

(Professional) This course will cover the study of and reflective cycle of curriculum, instructional strategies, classroom management, and the organizational/administration of health education and PE programs. Candidates will use historical, philosophical, and social perspectives of Health and PE issues to plan for and manage resources to providing active, fair, and equitable student learning experiences while advocating for PE and school health education.

**HPE 465 Practicum in Exercise Science and Wellness (6)**

Prerequisite(s): HPE 441, Senior Standing, assessment into the Exercise Science and Wellness Program and successful completion of an advisor approved national certification from the American College of Sports Medicine or National Strength and Conditioning Association.

(Professional) Practicum experiences in rehabilitative and/or preventative medicine with respect to ESW programming.

**HPE 482 Seminar in HPE (3)**

Corequisite(s): ED 495 and ED 496.

(Professional) Requires teacher education program admission. This course contributes to the preparation and meaningfulness of the student internship.

**HPE 484 Advanced Practicum in Athletic Training (1)**

Prerequisite(s): Consent of instructor.

(Professional) An introduction to the advanced principles of athletic training in the college environment. May be repeated a total of 4 times for credit.

**HPE 485 Advanced Practicum in Strength and Conditioning (1)**

Prerequisite(s): Consent of instructor.

(Professional) An introduction to the advanced principles of strength and conditioning in the college environment. May be repeated a total of 4 times for credit.

**HPE 486 Advanced Practicum in Personal Training (1)**

Prerequisite(s): Consent of instructor.

(Professional) An introduction to the advanced principles of personal training in the university wellness setting. May be repeated a total of 4 times for credit.

## History (HY)

**HY 100 Current History (1)**

Prerequisite(s): Approval of department head.

Students will do research on a current events topic which they select with the approval of the instructor.

**HY 101 Western Civilization I (3)**

The study of western civilization from earliest times to the beginning of the modern era.

**HY 102 Western Civilization II (3)**

The study of western civilization from the beginning of the modern era to the present.

**HY 103 Honors Western Civilization I (3)**

Prerequisite(s): ACT verbal 25 or above; SAT verbal 610 or above.

Advanced study in the history of western civilization from earliest time to the present. Includes training in the techniques of historical research, writing, and criticism.

**HY 104 Honors Western Civilization II (3)**

Prerequisite(s): ACT verbal, 25 or above; SAT verbal 610 or above.

(3). Advanced study in the history of western civilization from earliest time to the present. Includes training in the techniques of historical research, writing, and criticism.

**HY 201 American History I (3)**

The study of American history from pre-colonization through the Civil War.

**HY 202 American History II (3)**

The study of American history from the Civil War era to the present.

**HY 203 Honors American History I (3)**

Prerequisite(s): ACT verbal 25 or above; SAT verbal 610 or above.

Beginning with the European background, this course deals with the establishment of the thirteen English colonies, separation from the mother country, growth and expansion, participation in world affairs.

**HY 204 Honors American History II (3)**

Prerequisite(s): ACT verbal 25 or above; SAT verbal 610 or above.

Beginning with the European background, this course deals with the establishment of the thirteen English colonies, separation from the mother country, growth and expansion, participation in world affairs.

**HY 300 Topics in History (3)**

Prerequisite(s): HY 101, 102, 201, 202, or permission of the instructor.

An examination of special topics in History. This course will explore topics related to the history of the United States or the World. May be repeated twice for a total of 9 credit hours.

**HY 301 History of England to 1689 (3)**

Prerequisite(s): HY 101 and 102.

The origins of the English people and nation, its early legal and constitutional development, the struggle between king and parliament, and the beginning of overseas expansion down to the Glorious Revolution. Recommended especially for pre-law students.

**HY 302 History of Great Britain, 1689 to the Present (3)**

Prerequisite(s): HY 101 and 102.

A continuation of History 301. The consolidation to the constitutional evolution; the agricultural, social, industrial, and political revolutions of the eighteenth and nineteenth centuries, the merging of Great Britain into the Commonwealth of Nations.

**HY 303 Historian's Craft (3)**

Prerequisite(s): History majors only; HY 101, 102, 201, 202.

Historical research methods and historiography. This course will introduce history majors to methods and tools used in historical research as a means of preparing them for their 300-400 level history courses. The class will serve as a bridge between the freshman History experience and the major's immersion into the discipline of History.

**HY 304 American Military History (3)**

Prerequisite(s): HY 201 and 202.

The evolution of warfare and the military in America's past.

**HY 330 History of Islam (3)**

Prerequisite(s): HY 101 or permission of instructor.

A historical and thematic introduction to Islamic history, especially its political, institutional, religious, social and cultural forms.

**HY 331 The Far East in Modern Times (3)**

Prerequisite(s): HY 101 and 102.

A survey of Far Eastern history with special emphasis upon China, Japan, and the impact of western influence in Modern Times.

**HY 332 Russian History through the Revolutions of 1917 (3)**

Prerequisite(s): HY 101 and 102.

The political, social, and intellectual developments of Russia from the early migrations and consolidation of Muscovy through the fall of the House of Romanov.

**HY 333 Russian History from 1855 to the Present (3)**

Prerequisite(s): HY 101 and 102.

Survey of the history of Russia focusing on the rise of radical activity that led to the Revolution of 1917, the creation, evolution and collapse of the Soviet Union and Russia after communism.

**HY 395 Europe in the Middle Ages 476-1300 (3)**

Prerequisite(s): HY 101 and 102.

Major political, intellectual, and cultural trends, with emphasis on ecclesiastical developments and the fathers of the church.

**HY 399 Study Tour (3)**

Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Advance deposit required. Infrequently scheduled and subject to minimum and maximum numbers.

**HY 400 Europe in the High Middle Ages: Renaissance and Reformation, 1300-1648 (3)**

Prerequisites for Undergraduate: HY 101 and 102. Prerequisite for Graduate: None. European society as seen through its philosophy, religion, literature, and politics.



**HY 404 The Age of the Cold War: Europe, 1945-Present (3)**

Prerequisite(s): HY 101 and 102.

The Cold War and its impact on the internal reorganization of the European nations.

**HY 405 Environmental History of the United States (3)**

A historical investigation of human interaction with the environment in the United States from the pre-colonial era to the present.

**HY 406 Internship in Museum Studies (3)**

Prerequisite(s): Approval of instructor.

Working with local historical museums under the supervision of faculty, students will be introduced to the problems and possibilities of museum curatorship.

**HY 407 Warfare in the Ancient World (3)**

Prerequisite for Undergraduate: HY 101 or permission of instructor.

Prerequisite for Graduate: None. This course examines warfare and the military history of the ancient world, including but not limited to Greece, Macedonia, the Roman Republic, and the Roman Empire.

**HY 408 Ancient History (3)**

Prerequisite(s): HY 101 and 102.

A survey of civilization in the Near East and Europe from the invention of writing to the fall of the Roman Empire.

**HY 409 Modern France (3)**

Prerequisite(s): HY 101 and 102.

A survey of the development of the French nation-state from Louis XIV to the present.

**HY 410 Modern Germany (3)**

Prerequisite(s): HY 102.

A survey of the development of Germany from the Peace of Westphalia to the collapse of the Third Reich.

**HY 411 War and Peace in Modern Europe (3)**

Prerequisite(s): HY 102.

A survey of the military and diplomatic history of Europe from the Peace of Westphalia to the end of the Second World War.

**HY 415 The American Experience in War (1775-1898) (3)**

Prerequisite(s): HY 201 and 202 or approval of instructor.

A military history of the American Revolution, War of 1812, Mexican War, Civil War, and Spanish American War. The course examines strategy, tactics, leadership, logistics, and civil military relations in America's first five conflicts.

**HY 421 Public History (3)**

Prerequisite for Undergraduate: 3 hours of HY or permission of instructor.

Prerequisite for Graduate: None. This course examines the work of public history, including but not limited to, archival management, museum exhibition production, historic preservation, cultural resources management, historical interpretation, and the role of the public intellectual.

**HY 422 Oral History (3)**

Prerequisite for Undergraduate: 3 hours of history or permission of instructor. Prerequisite for Graduate: None. This course will introduce students to the methods and theory of oral history. The course includes the preparation of oral history projects and evaluation of oral narratives.

**HY 433 American Social and Cultural History to 1865 (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. American society through its literature, religion, philosophy, and arts. Emphasis upon immigration strains, European cultural transfer, and environmental adaptations which have formed the American character. Wide opportunities for reading offered in religion, philosophy, literature, and the arts.

**HY 434 American Social and Cultural History Since 1865 (3)**

Prerequisites for Undergraduate: HY 202 or approval of instructor. Prerequisite for Graduate: None. This course will evaluate shifting immigration origins. Concentrated study will be given to the changing thought patterns which have resulted from Darwinism, the rise of Big Business, theories of the public interest, Pragmatism, and the emergence of the United States as a world power.

**HY 436 History of American Women (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. A survey of the history of women from the colonial period to the present with emphasis upon social, economic, political, and educational developments.

**HY 437 Black America (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. Blacks in the U.S. from colonial times to the present; events of the twentieth-century and the integral social relations between blacks and whites will be emphasized.

**HY 441 The South Before 1865 (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. Pre-colonial civilization through the Civil War. The colonization and the economic, political, social, and cultural development of the Old South and its part in building the nation.

**HY 442 The South Since 1860 (3)**

Prerequisites for Undergraduate: HY 201, 202, and 441 or approval of instructor. Prerequisite for Graduate: None. The issues which led to secession; the War Between the States; the economic, political, and social results; recent tendencies and developments.

**HY 443 Introduction to Southern Culture (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. The study of the historic roots of regional culture that will integrate topics such as the "Cult of the Lost Cause," religion, folk life, music, literature, and the transition from a rural/agricultural society to an urban/commercial/industrial one.

**HY 444 History of Alabama (3)**

Prerequisite(s): HY 201 and 202.

Alabama from the era of settlement to the present.

**HY 445 North American Indians (3)**

Prerequisite(s): HY 201.

A survey of Native American history in what became the United States. Particular attention will be paid to Native-US government relations, the impact of the reservation and assimilation programs, and modern rights issues.

**HY 448 The Westward Movement in American History (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. Significance of the frontier in American History; colonization of successive geographic areas; the West in relation to tariff, public lands, currency and banking; and crisis resulting from expansion.

**HY 451 History of Early America to 1783 (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. European background to exploration; exploration and settlement; the Inter-Colonial Wars; the political, social, economic, and cultural developments within the colonies.

**HY 452 The Age of Jefferson and Jackson, 1783 to 1850 (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. The development of the American Republic from the end of the American Revolution until the Compromise of 1850, with special emphasis on the influence that Jefferson and Jackson had on the evolution of democratic attitudes and institutions.

**HY 453 Sectional Conflict, Civil War, and Reconstruction, 1850-1877 (3)**

Prerequisite(s): HY 201 and 202.

The rise of opposition to slavery; the Decade of Crises; Civil War; political, social, economic, diplomatic, and military aspects of the conduct of the war. An examination of the various interpretations, regional and national, of the Reconstruction Period.

**HY 454 The Beginning of Modern America, 1877-1914 (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. Description and evaluation of the shift of the United States from an agrarian to an industrial nation; the heritage of Civil War and Reconstruction; the rise of the Great Moguls; mass production and technological change; the rise of labor union movements and organized farm protests; the Spanish-American War; and American involvement in World War I.

**HY 455 The 1920's and the Great Depression (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. A detailed study of American political, diplomatic, and cultural history from President Woodrow Wilson through Franklin D. Roosevelt.

**HY 456 Contemporary America, 1945-Present (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. A detailed study of American political, diplomatic, and cultural history since the end of the World War II. Part of this course will be devoted to the study of current events.

**HY 459 The American Civil War in Film (3)**

Prerequisite for Undergraduate: HY 201 or permission of instructor. Prerequisite for Graduate: None. This course will explore how the Civil War has been remembered by Hollywood, how it can differ from the historical record, and how films often reflect the social and political sensibilities of their respective time period.

**HY 465 The British Empire and Commonwealth (3)**

Prerequisites for Undergraduate: HY 101 and 102. Prerequisite for Graduate: None. Growth and development of the British Empire, with emphasis on the factors leading to the Commonwealth of Nations. Not open to Graduate students who have completed HY 305.

**HY 468 Constitutional History of England (3)**

Prerequisites for Undergraduate: HY 101 and 102. Prerequisite for Graduate: None. Growth of common law, the court system, and the cabinet form of government from the earliest times to the present. Not open to Graduate students who have completed HY 308.

**HY 469 Age of Churchill (3)**

An examination of late Victorian-twentieth century British and World events through the career of Winston S. Churchill.

**HY 470 American Diplomatic History to 1933 (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. History of United States foreign relations beginning with the American Revolutionary Period and continuing through the decade of the 1920s. A study of the historical changes in American foreign policy objectives which led to the increased size and importance of the United States.

**HY 471 American Diplomatic History Since 1933 (3)**

Prerequisites for Undergraduate: HY 201 and 202. Prerequisite for Graduate: None. A detailed study of United States foreign relations beginning with Franklin D. Roosevelt and continuing to the present.

**HY 473 Modern Middle East (3)**

Prerequisite(s): HY 101 and 102.

This course centers around Israel's struggle for national independence and the tension this has produced in the Middle East.

**HY 476 Eastern (Asian) Civilizations (3)**

Prerequisite for Undergraduate: HY 102 or permission of instructor. Prerequisite for Graduate: None. An examination of major Asian civilizations from the sixteenth century to the present, including those in China, India, Korea, Japan, and Vietnam. Special focus on religion, culture, economics, political structures, and international relations, both within Asia and with the West.

**HY 477 Asian American History (3)**

Prerequisite for Undergraduate: HY 202 or permission of instructor. Prerequisite for Graduate: None. This course explores the experiences of Asian Americans from the mid-nineteenth century to the present. It examines the rich diversity of the Asian American community and considers how events within the U.S. and outside of it have shaped the lives of their community.

**HY 480 Colonial Latin America (3)**

Prerequisite for Undergraduate: HY 101 or 201 or approval of instructor. Prerequisite for Graduate: None. The interaction of Native American, European, and African people in the Spanish and Portuguese empires of the Americas, concluding with the wars for independence.

**HY 481 Modern Latin America (3)**

Prerequisite for Undergraduate: HY 102 or 202 or approval of the instructor. Prerequisite for Graduate: None. An examination of the political, economic, social, and cultural developments of the diverse Latin American nations since 1821, against a backdrop of tradition, reform, and revolution.

**HY 483 United States-Latin American Relations (3)**

Prerequisite for Undergraduate: HY 201 and 202 or approval of instructor. Prerequisite for Graduate: None. A survey of the diplomatic, economic, and cultural relations between the United States and the Latin American Republics from 1810 to the present.

**HY 485 History of Mexico (3)**

Prerequisite for Undergraduate: HY 201 and 202 or approval of instructor. Prerequisite for Graduate: None. A study of Mexico's past including pre-Columbian civilizations, the Spanish Conquest and Colonial period, the independence movement and the early republic, the struggle for nationhood, the modernization of Mexico with a special emphasis on the Mexican Revolution and the forces that shaped present day Mexico.

**HY 486 The Andean Nations (3)**

Prerequisite for Undergraduate: HY 201 and 202 or approval of instructor. Prerequisite for Graduate: None. A history of Colombia, Ecuador, Peru and Bolivia from Pre-Colombian times until the present with an emphasis on the diversity of the peoples of these nations.

**HY 487 History of Brazil (3)**

Prerequisite for Undergraduate: HY 201 and 202 or approval of instructor.  
Prerequisite for Graduate: None. A survey of Brazil's history from 1500 until the present with an emphasis on The Empire of Brazil 1822-1889 and modern Brazil, 1889 to present.

**HY 490 History of Religions (3)**

(3): An introduction to the theory of Religious History and the study of the history and practices of the five dominant world religions using resources from within those traditions.

**HY 493 History of Christianity I (3)**

Prerequisite(s): HY 101 or permission of instructor.  
A historical and thematic introduction to Christian history from its roots in the ancient near east; its foundation and growth; its distinctive Latin, Greek, and Syriac branches; and its development into the medieval period.

**HY 494 History of Christianity II (3)**

Prerequisite(s): HY 102 or permission of instructor.  
This course will detail the schism and splits in Christianity over the last millennium. Special attention on the Protestant Reformation and her engagement of Christianity with modernity.

**HY 499 Capstone Experience (0)**

Prerequisite(s): History majors with senior status and permission of Department Head.  
Capstone experience for history majors.

## Info Mgmt E-Commerce (IME)

**IME 375 Introduction to e-Commerce (3)**

Prerequisite(s): Junior Standing.  
Survey course in e-commerce and the digital enterprise. The course emphasizes using the web to learn about the web and the elements of e-business. Students work in team environments with groupware and collaboration software. Topics include digital design, web business models, web metrics, using intelligent agents, dynamic pricing, security and privacy, governance models, and web ethics.

**IME 380 Project Management (3)**

Prerequisite(s): IME 375.  
This course focuses on three vital elements of project management: people, process, and technology. Students learn project management concepts, objectives, and tools, and how to utilize coaching strategies to manage complex e-business and e-commerce projects. Topics include the PM process, project planning, project execution, and project evaluation.

**IME 385 E-Commerce Marketing and Metrics (3)**

Prerequisite(s): IME 375.  
An in-depth study of web business models, this course surveys major e-commerce markets and marketing strategies, including web pricing strategies. The course also focuses on web metrics and performance management criterion and how e-businesses utilize them. Focus group and survey research applications in the digital world are covered. Students will learn the effects electronic markets have on local, national, and global economics.

**IME 410 Process and Methodology (3)**

Prerequisite(s): IME 375.  
Students will examine current enterprise business processes, critique process documents, learn to map methods to processes, and develop a digital business process model.

**IME 420 Virtual Enterprises (3)**

Prerequisite(s): IME 375.  
The Virtual Enterprise represents a new organization for the 21st century, enabled by new information technologies and evolving to compete in a global economy. This course examines the development of the virtual enterprise and explores strategies for managing in virtual and matrixed organizations. Students review a range of electronic collaboration tools for virtual work environments.

**IME 450 E-Commerce Information Management (3)**

Prerequisite(s): IME 375.  
Developing skills in utilizing e-commerce information to assist managerial decisions. Managing and integrating web page information.

**IME 451 E-Commerce Applications (3)**

Prerequisite(s): Capstone course, should be taken in Senior year.  
Students will participate in an e-commerce project and apply the theories, processes, and methodologies learned in previous IME courses. Students will engage in activities with selected clients to provide strategic consulting guidance and develop high-level solution designs.

**IME 475 Current Issues in e-Commerce (3)**

Prerequisite(s): IME 375.  
Distinguished executive guest lecturers and the e-business faculty discuss topical issues related to business transformation and the cyber economy.

## Instructional Media (EIM)

**EIM 300 Introduction to Teacher Technology (2)**

This course is designed to prepare future teachers with the ability to effectively develop and use technology rich activities in the student centered classroom. Activities will correlate to the eight Learning Outcomes and will include ISTE\_NETS standards and state and national content standards and 21st Century Standards. As they have a number of years, computers and related technologies continue to influence the lives of most individuals. Today, teachers in K-12 schools are educating students who will spend all of their adult lives in school districts are spearheading massive funding efforts to equip classrooms with computers, with connectivity to networks, and with access to the Internet and the World Wide Web. Teachers in these classrooms must be prepared to utilize both current and emerging computer technologies. The purpose of this course is to provide students with the knowledge needed to use and integrate technology into specific classroom curriculum.

**EIM 410 The Information Age Classroom (2)**

Prerequisite for Undergraduate: CS 201. Prerequisite for Graduate: admission to the Alternative Fifth-Year Teacher Certification Program. The benefits, application, and production of advanced academic technology to the information age classroom. Requires Teacher Education Program eligibility.

## Integrated Studies (INS)

**INS 299 Study Abroad (3)**

Prerequisite(s): Permission of academic advisor and pre-approval by department head prior to registration.  
Individual study abroad through a JSU-sponsored program as administered by International Programs; pre-approval within specific disciplines required. Grades: Pass/Fail. May be duplicated for credit for a total of 15 semester hours.

**INS 300 Experiential Learning I (3-15)**

Prerequisite(s): Permission of Integrated Studies Advisor; Integrated Studies majors only.

(3-15). This highly individualized study is tailored to the student's personal career goals. Pass/Fail grade only.

**INS 302 Internship (3-6)**

Prerequisite(s): Permission of Integrated Studies Advisor; availability of placement.

(3-6). Integrated Studies majors or minors only. The student will gain on-the-job experience in a field of interest. Grade: Pass/Fail.

**INS 304 Special Studies (3)**

Prerequisite(s): Permission of Integrated Studies advisor; Integrated Studies majors only.

An in-depth independent investigation of a topic or topics appropriate to the individual student's plan of study in the integrated studies major. Course may be repeated for credit up to a maximum of 6 hours.

**INS 400 Experiential Learning II (3-15)**

Prerequisite(s): Permission of the Integrated Studies Advisor.

(3-15). Integrated Studies Major only. This highly individualized advanced study is tailored to the student's personal career goals. Pass/Fail grade only.

**INS 410 Integrated Studies Capstone (3)**

Prerequisite(s): Permission of Integrated Studies Advisor; senior standing.

Integrated Studies majors only. The capstone course in Integrated Studies includes a written report, an oral presentation in a symposium format, and participation in assessment activities. Required for Integrated Studies major; should be taken in the last semester.

## Learning Skills (LS)

**LS 101 Fast Start Lab (0)**

This zero-credit lab is mandatory for students who have been conditionally accepted to JSU through the Fast-Start Academy. The learning environment in the laboratory will be individualized and mastery-based for additional instruction in the areas of algebra, writing, reading and first-year success. The objectives of this lab are tied to the two courses offered in the Fast Start Academy, MS 100 Intermediate Algebra and LS 104 Academic Success Skills.

**LS 103 Reinforcing Reading Skills (3)**

Individualized development of reading and thinking skills.

**LS 104 Academic Success Skills (3)**

Individualized freshman seminar providing supportive guidance in study skills, problem-solving, decision-making, and college adjustment. Open to freshman only. Grades: A, B, C, NC.

**LS 106 Algebra Emporium (0)**

Effective fall semester 2015, this zero-credit emporium is a mandatory laboratory for students who have received an "NC" in MS 100. The learning environment in the laboratory will be individualized and mastery-based to enable students to prepare for their first general-education mathematics course. Prior to the beginning of the next semester or term after an "NC" in MS 100, students must register for LS 106 and remain in the laboratory until they have mastered the objectives of MS 100, including if necessary, subsequent semesters or terms until the objectives have been met.

**LS 108 Finite Emporium (0)**

Effective fall 2017, this zero-credit emporium is a mandatory laboratory for students who have received an "NC" in MS 107. The learning environment in the laboratory will be individualized and mastery-based to enable students to prepare for MA 110 Finite Mathematics. Prior to the beginning of the next semester or term after an "NC" in MS 107, students must register for LS 108 and remain in the laboratory until they have mastered the objectives of MS 107, including if necessary, subsequent semesters or terms until the objectives have been met.

**LS 130 Critical Thinking Skills (3)**

Individualized development of higher order thinking skills needed for academic study and career success.

**LS 301 Academic Performance Management (1)**

Prerequisite(s): Approval of Instructor.

Realizing that fellow students can be effective teachers, the University offers academic credit to qualified students who serve as learning assistants in selected areas.

**LS 302 Academic Performance Management (2)**

Prerequisite(s): Approval of Instructor.

Realizing that fellow students can be effective teachers, the University offers academic credit to qualified students who serve as learning assistants in selected areas.

**LS 303 Academic Performance Management (3)**

Prerequisite(s): Approval of Instructor.

Realizing that fellow students can be effective teachers, the University offers academic credit to qualified students who serve as learning assistants in selected areas.

## Management (MGT)

**MGT 301 Principles of Management (3)**

Prerequisite(s): Junior standing.

A basic course in general management principles and theories.

**MGT 305 Organizational Behavior (3)**

Prerequisite(s): MGT 301.

The application of organizational behavior theories in developing managerial competencies in the area of leadership, motivation, team building, group dynamics, interpersonal and group conflict.

**MGT 330 Entrepreneurship (3)**

Prerequisite(s): MGT 301.

Comprehensive overview of entrepreneurship and the entrepreneurial process. A practical guide to starting a small business.

**MGT 372 The Dynamics of Organizations (3)**

Prerequisite(s): MGT 301.

An analysis of the managerial process and dynamics of organization, with the organization viewed as a system interacting with a changing environment.

**MGT 385 Human Resource Management (3)**

Prerequisite(s): MGT 301.

Basic principles, philosophies, and applications of personnel administration.

**MGT 387 Supervision (3)**

Prerequisite(s): MGT 301.

Study of the functions, techniques, and skills required to supervise in manufacturing and service businesses and non-profit organizations.

**MGT 389 Advanced Human Resource Management (3)**

Prerequisite(s): MGT 301 and 385.

An advanced Human Resource Management course. Extensive use of cases, practical application of theory and research into the legal requirements of Human Resource Management.

**MGT 410 Advanced Operations Management (3)**

Prerequisite(s): MGT 301 and CBA 390.

Students are exposed to the latest techniques and models in operations management through an in-depth exposure to the strategic importance of operations, planning and controlling use of resources, ensuring quality of products and services. The course content focuses on applications of linear programming, supply chain innovation, virtual operations with simulation, agile/lean operations, and supply chain analytics. Mini-projects and case studies will help students gain valuable insights for complex real-life problems.

**MGT 420 Teams and Quality Management (3)**

Prerequisite(s): Senior status and MGT 301 and 305.

Focuses on the development and use of teams to improve quality, productivity, and organizational processes. Examines concepts, philosophies, and tools used in managing for quality.

**MGT 422 Seminar in Human Resource Management (3)**

Prerequisite(s): MGT 301 and 385.

A comprehensive course covering human resource management strategies, functions, and activities in modern organizations. Particular emphasis is placed on current -issues facing human resource managers in organizations.

**MGT 468 Compensation Management (3)**

Prerequisite(s): MGT 301 and 385.

An applied study of the development of compensation packages including a review of major theories and techniques regarding internal consistency, external competitiveness, individual contribution, administrative procedures, and benefit.

**MGT 489 Management Internship (3)**

Prerequisite(s): Senior status and consent of the instructor.

Provides the management major with practical experience in the management field via an internship arrangement. Grades: Pass/Fail.

**MGT 490 Collective Bargaining (3)**

Prerequisite(s): MGT 301 and 385.

A comprehensive study of employer and employee relations. Emphasis is placed on legislation, policies, and practices regarding negotiation and bargaining within the employer-union-employee relationship. Attention is also focused on the problem of handling and settling industrial controversy.

**MGT 491 Management Seminar (3)**

Prerequisite(s): Senior Standing.

A topical seminar which includes selected readings in current management literature combined with classroom lectures and discussions. Includes supervised and independent student research.

**MGT 495 Business Decision Simulation (3)**

Prerequisite(s): Senior standing.

GPSS computer simulation software is used to construct business decision-making models. Problem analysis, report writing, and software use are emphasized.

**MGT 496 International Management (3)**

Prerequisite(s): Senior status.

Comparative study in managing the international, multinational and national business organization.

**MGT 499 Senior Management Research (3)**

Prerequisite(s): Senior status.

Approval of instructor. Independent research on a management topic jointly selected by student and instructor.

## Marine Biology (MBY)

**MBY 309 Marine Biology (4)**

Prerequisite(s): BY 101, 102, 103, 104.

A general survey of the invertebrates, vertebrates, and marine plants as communities with emphasis on local examples of these principal groups. Students will have an opportunity to examine marshland, estuarine, beach, dune, inlet and neritic habitats, and niches. Lecture, laboratory, and field work will be included

**MBY 411 Marine Ecology (4)**

Prerequisites for Undergraduate: BY 101, 102, 103, 104, one year of general chemistry, and one semester of general physics. Prerequisites for Graduate: Graduate standing in biology; marine invertebrate zoology or marine biology (one semester of physics recommended). Bioenergetics, community structure, population dynamics, predation, competition, and speciation in marine ecosystems will be studied; lecture and laboratory work will be included, although considerable time will be spent in field work; individual species will be studied as they relate to ecological principles which they exemplify, thus providing both a taxonomic and ecologic background.

**MBY 412 Coastal Ornithology (4)**

Prerequisites for Undergraduate: BY 101, 102, 103, and 104. Prerequisite for Graduate: Graduate standing in biology. Study of coastal and pelagic birds with emphasis on ecology, taxonomy, and distribution; identification, population dynamics, and behavior of coastal birds; lecture, laboratory, and overnight trips to offshore islands.

**MBY 415 Marine Botany (4)**

Prerequisites for Undergraduate: BY 101, 102, 103, and 104. Prerequisite for Graduate: Graduate standing in biology. General study of coastal and marine flora with emphasis on taxonomy, morphology, physiology, ecology, and distribution; community structure in various ecosystems will be studied; students will have an opportunity to examine pelagic, marshland, estuarine, beach, sand dune, and inlet niches.

**MBY 416 Introduction to Oceanography (4)**

Prerequisite(s): One year of general biology or one year of general zoology and one year of general botany; one year of general chemistry; one semester of physics; and one semester of college algebra.

An introduction to biological, chemical, geological, and physical aspects of the sea.

**MBY 420 Coral Reef Ecology (4)**

Examines the ecology and evolution of coral reef communities, seagrass beds, and mangrove swamps with exploration of such issues as the degradation of reef-building corals by macroalgae, hurricanes, coral bleaching, diseases of corals and sea urchins, over-fishing and pollution. Students will participate in lectures and field exercises in the vicinity of Dauphin Island, and will take a one-week field trip to Andros Island, Bahamas.

**MBY 421 Special Topics: Marine Conservation Biology (4)**

Intended to develop a student's understanding of conservation biology by building upon the foundations of ecology; lectures and field exercises; requires students to develop a topical term paper and give a presentation.

**MBY 423 Marsh Ecology (4)**

Prerequisite for Undergraduate: Advanced undergraduate standing.  
Prerequisite for Graduate: Graduate standing in biology. Study of floral and faunal elements of various marine marsh communities; interaction of physical and biological factors will be emphasized; structured to provide field experience in addition to lecture material; trips will be scheduled to acquaint students with regional examples of marsh types.

**MBY 427 Marine Technical Methods I (2)**

Prerequisite for Undergraduate: Advanced undergraduate standing.  
Prerequisite for Graduate: Graduate standing in biology. Introduction to instruments and procedures normally utilized aboard a marine research vessel; includes physical, biological, chemical, and geological parameter measurements and sample collections; basic positioning and communication procedures included.

**MBY 428 Marine Technical Methods II (2)**

Prerequisite for Undergraduate: Advanced undergraduate standing.  
Prerequisite for Graduate: Graduate standing in biology. Introduction to the laboratory methodology associated with the usual chemical parameters of nutrient analysis; laboratory approach will be pursued; shipboard and other specific skills will be developed.

**MBY 435 Coastal Zone Management (2)**

Prerequisite(s): Advanced undergraduate standing.  
A review of ecological features and of management policies for coastal communities with a description of relevant federal and state programs.

**MBY 439 Coastal Wetlands Ecology (4)**

Prerequisite(s): BY 101, 102, 103 and 104.  
This course will focus on coastal and near shore wetland areas, with an emphasis on the biogeochemical processes, ecological function, and conservation. Lecture and laboratory.

**MBY 443 Marine Systems Ecology (4)**

Prerequisite(s): Advanced undergraduate standing in Biology or Environmental Engineering.  
A Basic or Fortran programming course or experience. The study of holistic characteristics, structure, function, and performance of marine and estuarine ecological systems, including interactions with systems of man. Strongly recommended: calculus background, preferably through differential equations.

**MBY 459 Shark and Ray Biology (2)**

Prerequisite(s): BY 101, 102, 103 and 104.  
This course provides an introduction to the biology of sharks and rays, with special emphasis on regional shark fauna and field techniques. Topics covered include, but not restricted to evolution and systematics of chondrichthyan fishes, physiology, reproduction and life history, diet, ecology, and conservation biology. Lecture and Lab experiences.

**MBY 460 Dolphins and Whales (2)**

Prerequisite(s): BY 320 and MBY 486.  
Prerequisite for Graduate: None. Designed to enable students to make rapid, accurate, and thoughtful use of a customized reference file and laboratory and field notes to respond to questions about the classification, anatomy, and ecology of marine mammals; lecture and laboratory. (Not open to students with credit in MBY 481.)

**MBY 461 Marine Behavioral Ecology (4)**

Prerequisite for Undergraduate: BY 332. Recommended: MS 204.  
Prerequisite for Graduate: None. Examines how animal behavior is influenced by and interacts with its environment, and the ecological and evolutionary significance of these behaviors in a marine setting; lectures, laboratory, and field exercises (some overnight).

**MBY 462 (3,4)**

Prerequisites for Undergraduate: BY 101, 102, 103, 104 or MBY 309.  
Prerequisite for Graduate: None. Study of the major groups of protists from a variety of marine habitats including their taxonomy, structure, ecology of methods of identification; lectures, laboratory, and field trips.

**MBY 463 Marine Fish Diseases (3,4)**

Prerequisite for Undergraduate: BY 323. Prerequisite for Graduate: None.  
Introduction to marine animal diseases, specifically finfish and shellfish; practical microbiological techniques for isolation and identification of diseases; lecture, laboratory, and field trips.

**MBY 464 Introduction to Neurobiology (4,5)**

for Undergraduate. (5). for Graduate. Prerequisite for Undergraduate: Advanced undergraduate standing. Prerequisite for Graduate: None.  
Introduction to the neuroanatomy and neurophysiology of marine invertebrates and vertebrates; Neuroism computer package used to help illustrate the basic principles and to allow a detailed exploration of neurophysiology and neural networks; lecture and laboratory.

**MBY 465 Biology and Conservation of Marine Turtles (2)**

Prerequisite(s): BY 101, 102, 103 and 104.  
This course will cover the identification, distribution, nesting behavior, migratory behavior, population biology and genetics, evolution, and conservation of marine turtles. Lecture and laboratory. Overnight field trip and special fees apply.

**MBY 481 Marine Mammals (4)**

Prerequisite(s): BY 101, 102, 103 and 104.  
This course will cover the evolutionary history, taxonomy/classification, anatomy, physiology, behavior, conservation/management issues, and research techniques related to marine mammals. Lecture and laboratory. Not open to students with credit in MBY 460.

**MBY 486 Marine Vertebrate Zoology (4)**

Prerequisites for Undergraduate: BY 101, 102, 103, and 104. Prerequisite for Graduate: Graduate standing in biology. Study of marine fish, reptiles, and mammals, with a comprehensive treatment of their systematics, zoogeography, and ecology; lectures will encompass subject matter on a non-regional basis; field and laboratory work will stress the vertebrate fauna of the northern Gulf of Mexico; students will have the opportunity to assemble a collection of vertebrate species.

**MBY 487 Marine Invertebrate Zoology (4)**

Prerequisites for Undergraduate: BY 101, 102, 103, and 104. Prerequisite for Graduate: Graduate standing in biology. Examination of the systematics, ecology, physiology, and phylogenetic relationships of locally occurring marine invertebrate taxa; lecture, laboratory, and field work required; students have an opportunity to acquire collections of local fauna.

**MBY 491 Directed Research (2)**

Prerequisite(s): Consent of instructor.  
Students may enroll by special arrangement to do research in any of the subject areas of marine science currently being offered at the Sea Laboratory.

## Marketing (MKT)

**MKT 301 Principles of Marketing (3)**

Prerequisite(s): Junior standing.  
An introduction to marketing strategy. Focuses on the application of product, promotion, price and distribution elements in satisfying the wants and needs of target markets.

**MKT 325 Digital Marketing (3)**

Prerequisite(s): MKT 301.

This course provides students the theoretical understanding of the internet marketplace necessary to adapt to its many changes, while also introducing them to the real-world internet marketing problems through cases. This course will consist of lectures which introduce concepts/theories in digital marketing and case analyses which apply those concepts/theories to real-world, online marketing problems.

**MKT 361 Sales/Sales Force Management (3)**

Prerequisite(s): MKT 301.

A study of the personal selling process. The course focuses on communications, motivation, planning, and practical application of sales techniques.

**MKT 370 Transportation and Logistics (3)**

Prerequisite(s): MKT 301.

Provides a broad and general exposure to transportation issues including modes of transportation, their relationships, and special uses. Business logistics including, but not limited to coverage of inventory, warehousing, materials and handling, packaging, and order procession and how transportation and logistics are interrelated are also covered.

**MKT 378 Consumer Behavior (3)**

Prerequisite(s): MKT 301.

A study of fundamental activities, habits, and motives which affect consumer interest, trial, evaluation, usage, and disposal of products. Includes ethical marketing considerations. This course can be counted as a major or minor elective in the areas of finance and management.

**MKT 394 Retailing (3)**

Prerequisite(s): MKT 301.

This course is a study of the distribution management process of retailing. Topics include retail strategy; environment, location and store design; merchandise planning and control; pricing, sales promotion, and display; and customer service. This course also examines store, catalog, and online retail marketing strategies from a managerial perspective.

**MKT 395 Business-To-Business Marketing (3)**

Prerequisite(s): MKT 301.

An analysis of marketing strategy as it applies to firms that engage in the production of finished products or services, including an examination of the buying behavior of profit and non-profit-making enterprises, as well as governmental agencies and the impact of e-commerce on these enterprises and processes. May not be taken for credit if student has completed MKT 363 - Industrial Marketing.

**MKT 488 Advertising and Promotions (3)**

Prerequisite(s): MKT 301.

Investigation of methods used to communicate with markets, including advertising, sales promotion, re-seller support, publicity, public relations, and corporate advertising. Includes cases combining these topics with a managerial orientation (formerly MKT 377 and more recently MKT 388).

**MKT 489 Marketing Internship (3)**

Prerequisite(s): Junior status and consent of instructor.

Provides the marketing major with practical experience in the marketing field via an internship arrangement. Grades: Pass/Fail.

**MKT 492 Senior Marketing Seminar (3)**

Prerequisite(s): Senior status and MKT 301.

Investigation and analysis of current literature and problems in the field of marketing. Includes classroom lectures and discussions; supervised and independent student research.

**MKT 493 International Marketing (3)**

Prerequisite(s): Senior status and MKT 301.

Learning to perform international analyses and segmentation, adapting goods and services to different customer needs across cultures, countries, and regions; assessing, monitoring and responding to global competition; coordinating and integrating market strategies across global markets.

**MKT 495 Marketing Strategy (3)**

Prerequisite(s): Senior status and MKT 301.

Capstone course combining lecture, cases, and student discussion in a seminar setting. Examines and analyzes the marketing process with special emphasis on the development of comprehensive marketing plans.

**MKT 497 Market Research (3)**

Prerequisite(s): Senior status and MKT 301.

The application of research techniques and procedures for assessing markets. Students will conduct an actual research project and submit results in a thesis-type report.

**MKT 498 Senior Marketing Research (3)**

Prerequisite(s): MKT 497.

Approval of Instructor. Independent research on a marketing topic jointly selected by student and instructor.

## Mathematics (MS)

**MS 100 Intermediate Algebra for Precalculus (3)**

Prerequisite(s): Satisfactory score on the departmental placement test.

Operations and properties of real numbers, rates and proportions, units and measurement, elementary plane geometry, linear equations and inequalities, exponents and polynomials, factoring algebraic expressions, graphing in the cartesian plane, systems of equations and inequalities, rational and radical expressions, and functions. May not be repeated. Institutional credit only. Grades: P, NC.

**MS 107 Intermediate Algebra for Finite Mathematics (3)**

Prerequisite(s): Satisfactory score on the departmental placement test.

Operations and properties of real numbers, rates and proportions, units and measurement, elementary plane geometry, linear equations and inequalities, exponents, graphs, and radicals. (May not be repeated. Institutional credit only.) Grades: P, NC.

**MS 110 Finite Mathematics (3)**

Prerequisite(s): Satisfactory score on the departmental placement test, or satisfactory performance in the appropriate developmental course, or MS 112 or higher.

This course gives an overview of topics in finite mathematics with applications, including set theory, logic, proportional reasoning, statistics, and finance. Credit will not be given for both MS 110 and MS 111.

**MS 111 Honors Finite Mathematics (3)**

Prerequisite(s): Admission to the honors program and at least one of the following

Advanced study of topics in finite mathematics with applications, including set theory, logic, proportional reasoning, statistics, and finance with an emphasis on writing, projects, and technology. Credit will not be given for both MS 110 and MS 111.

**MS 112 Precalculus Algebra (3)**

Prerequisite(s): Satisfactory score on the departmental placement test, or satisfactory performance in the appropriate developmental course.

First and second degree equations and inequalities; linear and quadratic functions and graphs; polynomial and rational functions; exponential and logarithmic functions; conic sections, and systems of equations.

**MS 113 Precalculus Trigonometry (3)**

Prerequisite(s): MS 112 with a "C" or better or satisfaction of MCIS Department placement criteria (see the MCIS Department website). Trigonometric functions and inverses, applications, graphs, identities and equations, laws of sines and cosines, vectors and complex numbers.

**MS 115 Precalculus Algebra and Trigonometry (4)**

Prerequisite(s): MS 112 with a "C" or better or MS 113 with a "C" or better or satisfaction of the MCIS Department placement criteria (see the MCIS Department website).

The course is an algebra-trigonometry composite providing the student with a mathematical foundation required for calculus or other courses requiring a similar mathematical background.

**MS 120 Calculus and Its Applications (3)**

Prerequisite(s): MS 112 with a "C" or better or satisfaction of MCIS Department placement criteria (see the MCIS Department website).

An introduction to the ideas and techniques of the differential and integral calculus. Graphical, numerical, analytical, and verbal representations and analyses of selected applications of calculus relevant to business and industry. Does not count towards a mathematics major or minor.

**MS 125 Calculus I (4)**

Prerequisite(s): MS 113 with a "C" or better or MS 115 with a "C" or better or satisfaction of MCIS Departmental placement criteria (see MCIS Department website).

Introduction to analytic geometry, functions and limits, differentiation with applications, indeterminate forms, antiderivatives, definite integrals, numerical integration, calculus of transcendental functions.

**MS 126 Calculus II (4)**

Prerequisite(s): MS 125 with a "C" or better.

Applications of integration, techniques of integration, improper integrals, infinite series, vectors in the plane and in 3-space.

**MS 133 Mathematical Concepts I (3)**

Prerequisite: MS 112. One of three mathematics courses designed for prospective elementary teachers. Problem solving, set theory, number theory, real number operations, historical development and structure of number systems.

**MS 134 Mathematical Concepts II (3)**

Prerequisite(s): MS 112.

One of three mathematics courses designed for prospective elementary teachers. A thorough study of geometry, measurement, and statistics. Problem solving and application are emphasized.

**MS 135 Mathematical Concepts III (3)**

Prerequisite(s): MS 112.

One of three mathematics courses designed for prospective elementary teachers. Logic, probability, principles of counting, algebraic reasoning and representation.

**MS 204 Basic Statistics (3)**

Prerequisite(s): Satisfactory score on the departmental placement test, or satisfactory performance in the appropriate developmental course, or MS 110 or higher.

Numerical descriptive methods, axioms of probability, random variables, statistical inference, point and interval estimation of mean, and hypothesis testing.

**MS 227 Calculus III (4)**

Prerequisite(s): MS 126 with a "C" or better.

Polar coordinates, parametric equations, vector-valued functions, multivariate functions, multiple integrals, vector analysis.

**MS 250 Introduction to Linear Algebra (3)**

Prerequisite(s): MS 113 or 115.

Basic theory of linear equations, matrices, real vector spaces, bases, dimension, linear transformations, determinants, eigenvalues, eigenvectors, inner product spaces, and the diagonalization of symmetric matrices.

**MS 300 Introduction to Advanced Mathematics (3)**

Prerequisite(s): MS 126 with a "C" or better.

Mathematical writing, including methods of proof, and fundamentals of sets and functions. May also include selected topics in algebra, analysis, number theory, or discrete mathematics. Students will be required to demonstrate mastery of selected precalculus material by independently completing a mastery-based tutorial and testing program with a satisfactory score.

**MS 302 Applied Probability and Statistics (3)**

Prerequisite(s): MS 120 with a "C" or better or MS 125 with a "C" or better.

Provides a summary of introductory probability and statistics centered around data analysis examples and computer simulations. Includes discrete and continuous probability distributions, estimation, and hypothesis testing.

**MS 304 Mathematical Statistics I (3)**

Prerequisite(s): MS 126 with a "C" or better.

Probability rules, discrete and continuous random variables and their probability distributions, expected value, variance, moment generating functions, multivariate probability distributions, and covariance.

**MS 305 Number Theory (3)**

Prerequisite(s): MS 125 with a "C" or better.

An introduction to the principal topics of elementary number theory, including divisibility, linear Diophantine equations, distribution of primes, congruences, Fermat's Theorem, and number theoretic functions.

**MS 309 Combinatorics (3)**

Prerequisite(s): MS 125 with a "C" or better.

An introduction to counting techniques such as permutations and combinations, the inclusion-exclusion principle, recurrence relations, and generating functions. May also include topics from graph theory, combinatorial design, and discrete probability.

**MS 322 Selected Survey of Secondary School Mathematics (3)**

Prerequisite(s): MS 112 and 113 or equivalents.

For students pursuing certification in mathematics. Overview of secondary school mathematics for prospective and inservice teachers of mathematics. Department credit not given for mathematics majors or minors.

**MS 323 College Geometry (3)**

Prerequisite(s): MS 125.

Euclidean geometry including synthetic and analytic proofs, geometric constructions, properties of the triangle and circle; an introduction to non-Euclidean geometry.

**MS 331 Peer Educator (1)**

Academic credit given to advanced undergraduate students who provide tutorial assistance in the mathematics department. Students will work under the guidance of an experienced mathematics instructor. Permission of department head required. Department credit not given for mathematics majors or minors. MS 331 and MS 332 may be repeated up to a maximum combined total of six semesters. GRADE: Pass/Fail.



**MS 332 Peer Educator (2)**

Academic credit given to advanced undergraduate students provide tutorial assistance in the mathematics department. Students will work under the guidance of an experienced mathematics instructor. Permission of department head required. Department credit not given for mathematics majors or minors. MS 331 and MS 332 may be repeated for credit up to a maximum combined total of six semester hours. GRADE: Pass/Fail.

**MS 344 Differential Equations (3)**

Prerequisite(s): MS 126 with a "C" or better.  
The methods of solving differential equations of first or second order and higher order linear equations, including series solutions and selected applications.

**MS 352 Linear Algebra (3)**

Prerequisite(s): MS 126 with a "C" or better.  
Matrices, linear systems, vector spaces with emphasis on algebraic structures.

**MS 390 Numerical Analysis (3)**

Prerequisite(s): MS 352 and CS 230 (or a higher numbered computer science programming course) with a "C" or better in both.  
Numerical analysis and computing with emphasis on methods adaptable to electronic computing machinery.

**MS 397 Directed Readings in Undergraduate Mathematics (1)**

Prerequisite(s): Advanced standing and approval of instructor.  
This course may be repeated for credit up to a maximum of three hours.

**MS 399 Study Tour (3)**

Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advanced deposit required.

**MS 403 Vector Analysis (3)**

Prerequisite(s): MS 227.  
Algebra and calculus of vectors, Stokes theorem, and divergence theorem; applications to geometry, mass potential functions, electricity, and fluid flow.

**MS 404 Mathematical Statistics II (3)**

Prerequisite(s): MS 227 and 304.  
Continuation of MS 304. The Central Limit Theorem, order statistics, functions of random variables, properties of estimators, confidence intervals, hypothesis testing, and least squares regression models.

**MS 415 Advanced Calculus I (3)**

Prerequisite(s): MS 227 and 300.  
Real number system, elementary point set theory, limits, theory of continuous functions, differentiable functions.

**MS 416 Advanced Calculus II (3)**

Prerequisite(s): MS 415.  
Selected topics from advanced calculus, including differentiable functions, the Riemann integral, and sequences and series of functions.

**MS 423 A Survey of Geometries (3)**

Prerequisite(s): MS 323.  
Selected topics from advanced Euclidean geometry, finite geometries, non-Euclidean geometry, and other geometries.

**MS 441 Abstract Algebra I (3)**

Prerequisite(s): MS 300 and 352.  
Introduction to ring theory and related topics: elementary number theory (integer divisibility, congruence, and modular arithmetic), rings, integral domains, fields, ring homomorphisms and isomorphisms, polynomial rings, and if time permits, ideals and factor rings.

**MS 442 Abstract Algebra II (3)**

Prerequisite(s): MS 300 and 352.  
Introduction to group theory and related topics: groups, cyclic groups, subgroups, cosets and Lagrange's theorem, group homomorphisms and isomorphisms.

**MS 451 Functions of a Complex Variable (3)**

Prerequisite(s): MS 227.  
Undergraduate Prerequisite: MS 227 and 300 and 415. Graduate Fundamental operations with complex numbers, differentiation and integration theorems, mapping, series, and residues.

**MS 475 Seminar in Mathematics (3)**

Prerequisites or corequisites for undergraduate: MS 415 or MS 441 or MS 451. Prerequisites or corequisites for graduate: MS 415 or MS 441.  
Goals include examining deeply the fundamental ideas of mathematics and connections among various branches of mathematics, exploring the historical development of major concepts, and further developing the habits of mind that define mathematical approaches to problems.

**MS 480 Introductory Topology (3)**

Prerequisite(s): MS 415.  
Basic topological concepts to include topological spaces, mapping, compactness, connectedness, and separation axioms.

**MS 484 Partial Differential Equations (3)**

Prerequisite(s): MS 227 and 344.  
Standard methods of solution; separation of variables, Fourier Series, Laplace Transforms; selected applications.

**MS 499 Undergraduate Research in Mathematics (3)**

Prerequisite(s): MS 302 or 304 or 415 or 441, senior standing, and approval of instructor.  
A guided independent investigation of a topic outside the department's normal course offerings, to culminate in a written paper and oral presentation to the faculty.

## Military Science (MSC)

**MSC 101 Challenges in Leadership I (1)**

Corequisite(s): MSC 103 Lab required.  
This course will introduce you to the personal challenges and competencies that are critical for effective leadership and communication. You will learn how the personal development of life skills such as cultural understanding, goal setting, time management, mental/physical resiliency, and stress management relate to leadership, officership, and the Army profession. As you become further acquainted with MSC courses, you will learn the structure of the ROTC Basic Course program consisting of MSC 101, 102, 201, 202, Fall and Spring Leadership Labs and LTC. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

**MSC 102 Challenges in Leadership II (1)**

Corequisite(s): MSC 104 Lab required.

This course will introduce you to the personal challenges and competencies that are critical for effective leadership and communication. You will learn how the personal development of life skills such as cultural understanding, goal setting, time management, mental/physical resiliency, and stress management relate to leadership, officership, and the Army profession. As you become further acquainted with MSC courses, you will learn the structure of the ROTC Basic Course program consisting of MSC 101, 102, 201, 202, Fall and Spring Leadership Labs and LTC. The focus is on developing basic knowledge and comprehension of Army leadership dimensions, attributes and core leader competencies while gaining an understanding of the ROTC program, its purpose in the Army, and its advantages for the student.

**MSC 103 Challenges in Leadership Labs (2)**

Required to be taken respectively in conjunction with 101 and 102.

Students will demonstrate knowledge of subjects taught in lecture and additional topics taught in the lab through hands-on training. Emphasis is on developing leadership skills, physical fitness, and military knowledge. Students participate in physical fitness activities a minimum of one hour each week to learn the fundamentals of exercise and gain aerobic and muscular fitness.

**MSC 104 Challenges in Leadership Labs (2)**

Required to be taken respectively in conjunction with 101 and 102.

Students will demonstrate knowledge of subjects taught in lecture and additional topics taught in the lab through hands-on training. Emphasis is on developing leadership skills, physical fitness, and military knowledge. Students participate in physical fitness activities a minimum of one hour each week to learn the fundamentals of exercise and gain aerobic and muscular fitness.

**MSC 112 Basic Marksmanship (2)**

Fundamentals, principles, and techniques of marksmanship including equipment, maintenance, shooting position, safety, and range operation. Students fire marksmanship rifles.

**MSC 113 Survival (3)**

Prerequisite(s): Medical clearance is required.

Examines options available in outdoor environments for survival. Students appraise and prioritize their physical and emotional needs incorporating Maslow's hierarchy. Demonstration of outdoor skills including rappelling, orienteering, and employment of game trapping methods.

**MSC 115 First Aid (3)**

Instruction in lifesaving measures for clearing the airway, rescue breathing, cardiopulmonary resuscitation, controlling bleeding, preventing shock, treating fractures and emergency care for other serious injuries. Prevention of illness and injuries is emphasized.

**MSC 151 Rangers (1)**

Prerequisite(s): Medical clearance is required.

Students learn to apply leadership skills and employ techniques, problem-solving, and resourcefulness while in stressful leadership situations. Students are expected to pass stringent physical aptitude tests, and will participate in a 48 hour field exercise during the semester. May be duplicated for credit for a total of 8 semester hours.

**MSC 201 Tactical Strategy and Team Development (2)**

Corequisite(s): MSC 203.

Explores the dimensions of creative and innovative tactical leadership strategies and styles by examining team dynamics and two historical leadership theories that form the basis of the Army leadership framework. Aspects of personal motivation and team building are practiced planning, executing and assessing team exercises. The focus continues to build on developing knowledge of the leadership attributes and core leader competencies through the understanding of Army rank, structure, and duties as well as broadening knowledge of land navigation and squad tactics. Case studies will provide a tangible context for learning the Soldier's Creed and Warrior Ethos.

**MSC 202 Adaptive Leadership Development (2)**

Corequisite(s): MSC 204 Lab required.

This course examines the challenges of leading teams in the complex operational environment. The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations.

**MSC 203 Leadership Development Lab (2)**

Required in conjunction with MSC 201 and 202. Students demonstrate knowledge of subjects taught in lecture through hands-on experience. Emphasis is on developing leader and military skills, and enhancing military knowledge. Students participate in physical fitness activities a minimum of two hours each week to learn the fundamentals of exercise and gain aerobic and muscular fitness. MSC 201, 202 required.

**MSC 204 Basic Military Skills Lab (2)**

Required in conjunction with MSC 201 and 202. Students demonstrate knowledge of subjects taught in lecture through hands-on experience. Emphasis is on developing leader and military skills, and enhancing military knowledge. Students participate in physical fitness activities a minimum of two hours each week to learn the fundamentals of exercise and gain aerobic and muscular fitness. MSC 201, 202 required.

**MSC 205 Leaders Training Course (3)**

Prerequisite(s): Pass a standard medical physical, take the Army Physical Fitness Test, and approval of the Department Head.

Students travel to Fort Knox, Kentucky, to attend a four-week course designed for those who wish to enter MSC 301 but did not participate in 100 and 200-level Military Science classes. The course provides an introduction to the Army, as well as an introduction to leadership theory and techniques. Students apply leadership theory in a hands-on environment. Students participate in Rappelling, Water Survival, Basic Marksmanship, and in a Leader's Reaction Course where small teams solve challenging problems in a field environment. All travel, lodging, and meal costs are paid for by the Department of the Army. No fee.

**MSC 300 Leaders Training Course Prep (1)**

**MSC 301 Advanced Military Science I (3)**

Prerequisite(s): MSC 101, 102, 201, 202 or successful completion of the Leader Training Course, Army Basic Training, or a prescribed course of study approved by the Department Head.

Corequisite(s): MSC 301 Lab required.

Lecture: Builds on previous leadership courses by introducing advanced theories and applying previous learning during practical classroom and field training exercises. Emphasis is on problem solving and learning how to motivate self and others as well as small unit leadership techniques and military small unit tactics. Students learn how to evaluate/analyze military missions and plan and prepare orders for military operations. Students must participate in a two-day field training exercise during the semester. (2). Lab: Students learn small unit military tactics/operations. Students apply theory taught in MSC 301 while leading their peers in small unit operations. Students learn planning skills and are evaluated in their ability to plan activities and organize their peers to execute the events. Oral and written communication skills are stressed and evaluated. Students participate in physical fitness activities three hours each week to gain aerobic and muscular fitness. Lab is focused on preparation for the Leader Development & Assessment Course (LDAC).

**MSC 302 Advanced Military Science II (3)**

Prerequisite(s): MSC 301.

Corequisite(s): MSC 302 Lab required.

Lecture: Reinforces dimensions of leadership taught in MSC 301 and addresses additional dimensions. Students study group dynamics, adult learning, personality models, and ethical decision making. Students refine oral communication skills and prepare and deliver information briefings. Students must participate in a three-day field training exercise during the semester. (2). Lab: Students learn small unit military tactics/operations. Students apply theory taught in MSC 302 while leading their peers in small unit operations. Students learn planning skills and are evaluated in their ability to plan activities and organize their peers to execute the events. Oral and written communication skills are stressed and evaluated. Students participate in physical fitness activities three hours each week to gain aerobic and muscular fitness. Lab is focused on preparation for the Leader Development & Assessment Course (LDAC).

**MSC 303 Advanced Military Science III (3)**

3). May-term class emphasizes and refines all MSC 301 and 302 skills. Students enhance personal orienteering, rifle marksmanship, communications and physical training skills and abilities. Students practice planning and executing small unit operations and lead their peers in small unit operations. Students participate in a major field training exercise. Course is mandatory for all students attending LDAC during the summer terms.

**MSC 304 American Military History (3)**

The evolution of warfare and the military in America's past. Required for commissioning.

**MSC 305 Advanced Military Science IV (3)**

Prerequisite(s): MSC 301, 302, 303, and/or the approval of the Department Head.

Students fly to Fort Lewis, Washington to attend LDAC. During the five-week course, a student's basic military, organizational, communications, and leadership skills are evaluated as they interact with ROTC cadets from colleges and universities across the nation. Travel and living expenses are paid by the Department of the Army. No fee.

**MSC 307 Advanced Military Science Leadership Lab (2)**

Students learn small unit military tactics/operations. Students apply theory taught in MSC 301 and 302 while leading their peers in small unit operations. Students learn planning skills and are evaluated in their ability to plan activities and organize their peers to execute the events. Oral and written communication skills are stressed and evaluated. Students participate in physical fitness activities three hours each week to gain aerobic and muscular fitness. Lab is focused on preparation for the Leader Development and Assessment Course (LDAC).

**MSC 308 Advanced Military Science Leadership Lab (2)**

Students learn small unit military tactics/operations. Students apply theory taught in MSC 301 and 302 while leading their peers in small unit operations. Students learn planning skills and are evaluated in their ability to plan activities and organize their peers to execute the events. Oral and written communication skills are stressed and evaluated. Students participate in physical fitness activities three hours each week to gain aerobic and muscular fitness. Lab is focused on preparation for the Leader Development and Assessment Course (LDAC).

**MSC 401 Adv Theories in Leadership I (3)**

Prerequisite(s): Approval of the Department Head.

Corequisite(s): MSC 401 Lab required.

Lecture: An examination of advanced leadership theory. In depth analysis of professionalism, ethical decision making, learning in organizations, the role of communications, and hierarchical staff functions. (2). Lab: Application of Leadership Theory in the organizational setting. Consists of role playing, problem solving, decision making, and application using practical situations.

**MSC 402 Adv Theories in Leadership II (3)**

Prerequisite(s): Approval of the Department Head.

Corequisite(s): MSC 408 Lab required.

Lecture: Course provides in-depth analysis of the role of law in the conduct of Army operations, personnel management, logistics management, and applied doctrine. (2). Lab: Application of Leadership Theory in the organizational setting. Consists of role playing, problem solving, decision making, and application using practical situations.

**MSC 403 Seminar on Leadership (3)**

Prerequisite(s): Approval of the Department Head.

A directed study of various themes in leadership theory. Application of leadership theory, problem solving, decision-making, risk-analysis and communicative skills to selected topics. Student are required to conduct an oral presentation of their selected theme. Course includes intern work, where the student acts as an assistant to a member of the staff.

**MSC 407 Application of Advanced Theories in Leadership (2)**

Application of leadership theory in the organizational setting. Consists of role playing, problem solving, decision making, and application using practical situations. Approval of the Professor of Military Science is required.

**MSC 408 Application of Advanced Theories in Leadership (2)**

Application of leadership theory in the organizational setting. Consists of role playing, problem solving, decision making, and application using practical situations. Approval of the Professor of Military Science is required.

## Music (MU)

### MU 101 Music Theory (3)

Prerequisite(s): Ability to read music.

Corequisite(s): MU 111.

(base and treble clefs) (Theory and Literature) Music fundamentals, including written skills, keys, scales, intervals, triads, and elementary harmonic movement.

### MU 102 Music Theory (3)

Prerequisite(s): MU 101.

Corequisite(s): MU 112.

A continuation of MU 101. (Theory and Literature) Includes knowledge of figured bass, non-harmonic tones and dominant seventh chords.

### MU 104 Concerts and Recitals (0)

(Theory and Literature) Applied students must attend a specified number of department-sponsored or off-campus concerts, recitals, or approved performances each semester. This course number may be repeated for a total of six (6) times.

### MU 111 Aural Skills (1)

(Theory and Literature) The development of musicianship skills particularly through singing and aural dictation.

### MU 112 Aural Skills (1)

Prerequisite(s): MU 111.

Corequisite(s): MU 102.

(Theory and Literature) The development of musicianship skills particularly through singing and aural dictation.

### MU 113 Secondary Applied Music (2)

(Performance and Applied Music) These courses are available so that students, upon the approval of the instructor and the department head, may broaden their performance skills in a secondary area in addition to the primary area. Students needing additional skill development on a particular instrument may enroll in Secondary Applied Music in preparation for taking courses at the Primary Applied level. May be repeated for a total of six (6) times.

### MU 132 Orchestra (1)

(Large Ensemble) An ensemble performing repertoire for the standard symphony orchestra of strings, winds and percussion instruments. Each number may be duplicated for credit for a total of four (4) semester hours.

### MU 134 Primary Applied Music (2)

Prerequisite(s): Approval of instructor.

(Performance and Applied Music) For Music majors and minors. Primary Applied Music includes mastery of etudes (studies), significant music literature and improvisation. Public performance is a required component of the course. May be repeated for a total of four (4) times.

### MU 138 Gospel Choir (1)

(Small Ensemble) A vocal ensemble performing works in the style of the African-American gospel tradition. Each number may be duplicated for credit for a total of four (4) semester hours.

### MU 146 Small Chamber Music Ensemble (1)

(Small Ensemble) Each number may be duplicated for credit for a total of four (4) semester hours.

### MU 148 Wind Ensemble (1)

(Large Ensemble) A large ensemble performing works of the standard band repertoire. Each number may be duplicated for credit for a total of four (4) semester hours.

### MU 150 Technology in Music (1)

(Professional Preparation) An introduction to basic software programs used in music applications including musical notation and aural skills as well as those found in educational settings.

### MU 162 Chamber Singers (1)

Prerequisite(s): Approval of instructor.

(Large Ensemble) An auditioned mixed vocal ensemble of limited size performing a varied repertoire drawn from the Renaissance to the present. Each number may be duplicated for credit for a total of four (4) semester hours.

### MU 168 Percussion Ensemble (1)

(Small Ensemble) An ensemble performing works written for mixed percussion groupings. Each number may be duplicated for credit for a total of four (4) semester hours.

### MU 169 Basic Piano Skills (1)

(Professional Preparation) Designed for music majors with minimal keyboard ability who are unable, through placement exam, to enter Class Piano I (MU 170).

### MU 170 Class Piano I (1)

Prerequisite(s): Placement and approval of instructor.

(Professional Preparation) A course designed to assist student in acquiring basic keyboard facility through mastery of diatonic chords, scales, sight reading and improvisation.

### MU 171 Class Piano II (1)

Prerequisite(s): Successful completion of MU 170.

(Professional Preparation) A course designed to assist student in continued improvement in keyboard skills in order to complete the desired proficiency.

### MU 180 Class Piano Repertoire I (1)

Prerequisite(s): Approval of instructor.

(Professional Preparation) Designed to broaden the knowledge of piano literature for pianists who are able to pass Class Piano II (MU 171).

### MU 181 Class Piano Repertoire II (1)

Prerequisite(s): Permission of instructor.

(Professional Preparation) Designed to broaden the knowledge of piano literature for pianists who are able to pass Class Piano II (MU 171).

### MU 182 Accompanying (1)

(Small Ensemble) A performance course for pianists in practicing skills necessary for collaborative experiences with vocalists and/or instrumentalists. Each number may be duplicated for credit for a total of four (4) semester hours.

### MU 183 Jazz Piano (1)

(Professional Preparation) Introduction and development of keyboard skills necessary to construct piano accompaniments in the jazz idiom using a progression of chord symbols or a lead sheet. Students will become familiar with standard jazz chord symbols; learn rootless, open, and modal voicing concepts; students will perform an improvised solo in the right hand while comping with the left on repertoire covered in class.

### MU 188 Applied Ensemble (1)

Prerequisite(s): Approval of instructor.

(Small Ensemble) An ensemble for miscellaneous instrumental groupings. Each number may be duplicated for credit for a total of four (4) semester hours.

### MU 192 Marching Southerners (1)

(Large Ensemble) The primary uniformed instrumental marching unit. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 193 Chamber Winds (1)**

Prerequisite(s): Approval of instructor.  
(Large Ensemble) The premier auditioned large wind ensemble. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 196 Chorus (1)**

(Large Ensemble) A large mixed choral ensemble specializing in performance of masterworks compositions. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 198 Marching Ballerinas (1)**

Prerequisite(s): Approval of instructor.  
(Large Ensemble) An auditioned female dance ensemble which performs in conjunction with Marching Southerners. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 201 Music Theory (3)**

Prerequisite(s): MU 102.  
Corequisite(s): MU 211.  
(Theory and Literature) Developing facility in harmonic skills through the study of voice leading, secondary dominants, modulation, and small forms.

**MU 202 Music Theory (3)**

Prerequisite(s): MU 201.  
Corequisite(s): MU 212.  
(Theory and Literature) The study of advanced chromatic harmony and large forms.

**MU 203 History of American Jazz (3)**

(Theory and Literature) A comprehensive, formalized study of American Jazz Masterpieces from 1900 to the present.

**MU 207 Jazz Combo (1)**

(Small Ensemble) A small instrumental ensemble specializing in jazz performance. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 210 Conducting (2)**

Prerequisite(s): MU 102 and 135 or equivalent.  
(Professional Preparation) Principles of interpretation and techniques of conducting are stressed through detailed study of selected compositions.

**MU 211 Aural Skills (1)**

Prerequisite(s): MU 112.  
Corequisite(s): MU 201.  
(Theory and Literature) The development of musicianship skills particularly through singing and aural diction.

**MU 212 Aural Skills (1)**

Prerequisite(s): MU 211.  
Corequisite(s): MU 202.  
(Theory and Literature) The continued development of musicianship skills particularly through singing and aural diction.

**MU 218 A Cappella Choir (1)**

Prerequisite(s): Approval of instructor.  
(Large Ensemble) An auditioned mixed vocal ensemble performing choral works representative of all periods and genres. Each number may be duplicated for credit for a total of four (4) semester hours

**MU 233 Introduction to Music (3)**

(Theory and Literature) Music fundamentals, literature, and appreciation. Meets Area II General Studies Requirement for majors other than music. Music majors and minors must take MU 237.

**MU 236 Honors Introduction to Music (3)**

(Theory and Literature) Substitutes for MU 233. Advanced study in basic music literature from pre-Baroque to present stressing development of recognition of various styles, genres, and musical forms through individualized listening activities.

**MU 237 Advanced Intro to Music (3)**

Prerequisite(s): Permission of instructor, ability to read musical notation.  
(Theory and Literature) Substitutes for MU 233. Advanced study in basic music literature from pre-Baroque to present, stressing development of recognition of various styles, genres and musical forms through individualized listening activities.

**MU 240 Introduction to Music Business (2)**

Essential information for future music entrepreneurs including tax and finance information, contracts, social media, marketing, crowd funding, and copyright law and legal issues.

**MU 244 Introduction to Music Educ (2)**

(Professional Preparation) An introduction to current issues in the teaching field of music including a series of supervised in-school observational experiences.

**MU 250 Symphonic Band (1)**

(Large Ensemble) A large instrumental ensemble performing standard band repertoire. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 252 Lyric Theatre Workshop (1)**

(Small Ensemble) A course emphasizing the vocal aspects of theatrical musical productions. May be duplicated for credit for a total of four (8) semester hours.

**MU 253 Opera Workshop (1)**

(Professional Preparation) A course emphasizing the technical aspects of theatrical musical productions. May be duplicated for a total of (8) semester hours.

**MU 260 Class Guitar (1)**

(Professional Preparation) A beginning class introducing basic skills on the guitar such as tuning, reading easy music, development of strummed and finger style accompaniments to songs, as well as a basic vocabulary of chord positions.

**MU 279 Jazz Ensemble (1)**

Prerequisite: Approval of instructor. (Large Ensemble) A large ensemble performing jazz in the big band style. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 295 Show Choir (1)**

Prerequisite(s): Permission of instructor.  
(Small Ensemble) An auditioned vocal ensemble presenting popular and show style repertoire, often utilizing choreographed movement and dance. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 297 Study Abroad (3)**

Prerequisite(s): Permission of academic advisor and pre-approval by department head prior to registration.  
Individual study abroad through a JSU-sponsored program as administered by International Programs; pre-approval within specific disciplines required. May be repeated for credit for a total of 15 semester hours. Grades: Pass/Fail.

**MU 298 Mid-degree Assessment Review (0)**

(Professional Preparation) An assessment of the student's progress and potential for successful completion of the degree requirements.

**MU 300 Junior Recital (0)**

(Performance and Applied Music) Junior Recital is designed to be taken concurrently during the sixth semester of primary applied music during which the junior recital is presented.

**MU 301 Music Theory (2)**

Prerequisite(s): MU 202.

(Theory and Literature) Calligraphic studies in counterpoint and studies of the organizing principles of music composition, their interactions in musical forms, and their functions in different styles.

**MU 302 Music Theory (2)**

Prerequisite(s): MU 301.

(Theory and Literature) A continuation of Music 301

**MU 306 Music Education for Exceptional Children and Youth (3)**

(Theory and Literature) For the prospective K-12 music educator of general, choral or instrumental music. This course serves to provide the strategies, techniques and resources needed to effectively teach students of varying exceptionalities. Special focus will be placed on the necessary knowledge, skills and dispositions required for special needs teaching. Pertinent topics include the accomodation of modification of music course contest to best address the learning needs of students with disabilities. In addition, current legal issues, trends and topics in special education will be covered.

**MU 313 Secondary Applied Music (2)**

(Performance and Applied Music) These courses are available so that students, upon the approval of the instructor and the department head, may broaden their performance skills in a secondary area in addition to the primary area. Students needing additional skill development on a particular instrument may enroll in Secondary Applied Music in preparation for taking courses at the Primary Applied level. May be repeated for a total of six (6) times.

**MU 316 Arranging and Orchestration (2)**

Prerequisite(s): MU 150.

(Professional Preparation) A practical exploration of the techniques of writing and arranging music for instruments.

**MU 317 Choral Arranging (2)**

Prerequisite(s): MU 150.

(Professional Preparation) Arranging and writing choral music for a variety of choral combinations and sizes with emphasis on those found in school and community settings.

**MU 318 Marching Band Techniques (2)**

(Professional Preparation) A study of various styles including the formulation of drill and show writing for bands of varying sizes and abilities.

**MU 320 Piano Pedagogy Fundamentals (2)**

Prerequisite(s): MU 234 or 214 (Applied Piano).

(Professional Preparation) Fundamentals in forming a teaching philosophy, surveying methods for beginners, and organizing an independent studio (business and professional aspects).

**MU 332 Orchestra (1)**

(Large Ensemble) For Music majors and minors. An ensemble performing repertoire for the standard symphony orchestra of strings, winds and percussion instruments. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 334 Primary Applied Music (2)**

Prerequisite(s): MU 134 (4 semesters) and MU 298 and approval of instructor.

(Performance and Applied Music) For Music majors and minors. Primary Applied Music includes mastery of etudes (studies), significant music literature and improvisation. Public performance is a required component of the course. May be repeated for a total of four (4) times.

**MU 338 Gospel Choir (1)**

(Small Ensemble) A vocal ensemble performing works in the style of the African-American gospel tradition. Each number may be duplicated for credit for a total of four (4) semester hours. For Music majors and minors.

**MU 346 Small Chamber Music Ensemble (1)**

(Small Ensemble) Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 348 Wind Ensemble (1)**

(Large Ensemble) A large ensemble performing works of the standard band repertoire. Each number may be duplicated for credit for a total of four (4) semester hours. For Music majors and minors.

**MU 350 Advanced Technology (1)**

(Professional Preparation) An exploration of advanced music software programs, including digital audio workstations used in professional digital recording and MIDI realization studios, and an introduction to audio recording techniques and the fundamentals of building a personal home or professional studio.

**MU 360 Class Voice I (1)**

(Professional Preparation) Introduces the art of singing, including breath control, pronunciation, use and care of the vocal instrument, and repertoire.

**MU 361 Class Voice II (1)**

Prerequisite(s): MU 360.

(Professional Preparation) Continues instruction in the art of singing, including breath control, pronunciation, use and care of the vocal instrument, and repertoire.

**MU 362 Chamber Singers (1)**

Prerequisite(s): Approval of instructor.

(Large Ensemble) For Music majors and minors. An auditioned mixed vocal ensemble of limited size performing a varied repertoire drawn from the Renaissance to the present. Each number may be duplicated for credit for a total of four (4) semester hours

**MU 363 Class Voice Pedagogy (1)**

(Professional Preparation) A study of methods of vocal training with emphasis on vocal health and development for amateur and school-aged singers.

**MU 365 Diction I (1)**

(Professional Preparation) A study and practice of the phonetic sounds used in singing English and Italian languages. Course offered in Fall Semester only.

**MU 366 Diction II (1)**

Prerequisite(s): MU 365.

(Professional Preparation) A study and practice of the phonetic sounds used in singing French and German languages. Course offered in Spring semester only.

**MU 367 Diction III (1)**

Prerequisite(s): MU 365.

(Professional Preparation) A performance application of phonetic articulation in English, French, Italian and German languages.

**MU 368 Percussion Ensemble (1)**

(Small Ensemble) An ensemble performing works written for mixed percussion groupings. Each number may be duplicated for credit for a total of four (4) semester hours. For Music majors and minors.

**MU 370 Keyboard Harmony and Accompaniment I (1)**

(Professional Preparation) A course designed to expand keyboard skills to include use of harmonic structures in accompaniments, sight reading, improvisation and simple repertoire.

**MU 371 Keyboard Harmony and Accompaniment II (1)**

(Professional Preparation) Continuation of MU 370. A course designed to expand keyboard skills to include use of harmonic structures in accompaniments, sight reading, improvisation and simple repertoire.

**MU 375 Drum & Bugle Corps (1)****MU 378 Instrumental Pedagogy Lab (1)**

Prerequisite(s): Permission of instructor.  
(Professional Preparation) Provides a laboratory experience for students to apply teaching concepts to practical situations. Normally taken in conjunction with either MU 380, MU 381 or MU 391.

**MU 379 Vocal Pedagogy Lab (1)**

Prerequisite(s): Permission of instructor.  
(Professional Preparation) Provides a laboratory experience for students to apply teaching concepts to practical situations. Normally taken in conjunction with MU 363.

**MU 380 Class Woodwinds (1)**

(Professional Preparation) Basic playing skills and teaching strategies of the flute, oboe, bassoon, clarinet, and saxophone for the music educator.

**MU 381 Class Brass (1)**

(Professional Preparation) Designed for music education majors, this course explores the rudiments of brass playing through practice on at least two different brass instruments. Basic concepts such as breathing, embouchure, and articulation are discussed from a pedagogical standpoint, and students articulate their understanding of these concepts by conducting the class through exercise material.

**MU 382 Accompanying (1)**

(Small Ensemble) A performance course for pianists in practicing skills necessary for collaborative experiences with vocalists and/or instrumentalists. Each number may be duplicated for credit for a total of four (4) semester hours. For Music majors and minors.

**MU 384 Beginning Band Foundations (1)**

(Professional Preparation) Instruction techniques for teaching beginning bands including appropriate repertoire, methods, procedures, and scheduling.

**MU 385 General Instrumental Tech (1)**

(Professional Preparation) An introduction to basic performance skills in major instrumental families (brass, woodwind, percussion). Designed for music majors in vocal/choral concentration.

**MU 386 Class Jazz (1)**

A course for the study of jazz pedagogy. Students will listen and react critically to important jazz recordings, learn pertinent terms, observe jazz band directors and react to their teaching methods, identify jazz literature for public school performances, conduct college jazz band rehearsal(s), and be able to recognize, identify, and comment on relevant jazz styles throughout history. (Professional)

**MU 388 Applied Ensemble (1)**

Prerequisite(s): Permission of instructor.  
(Small Ensemble) For Music majors and minors. An ensemble for miscellaneous instrumental groupings. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 390 Class Strings (1)**

(Professional Preparation) Gives a practical understanding of how to teach an orchestral string instrument, including the basic principles of tone production, bowing technique, and establishing good playing practices.

**MU 391 Class Percussion (1)**

(Professional Preparation) Introduces the fundamental techniques of percussion instruments for the music educator.

**MU 392 Marching Southerners (1)**

(Large Ensemble) For Music majors and minors. The primary uniformed instrumental marching unit. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 393 Chamber Winds (1)**

Prerequisite(s): Permission of instructor.  
(Large Ensemble) For Music majors and minors. The premier auditioned large wind ensemble. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 396 Chorus (1)**

(Large Ensemble) For Music majors and minors. A large mixed choral ensemble specializing in performance of masterworks compositions. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 398 Marching Ballerinas (1)**

Prerequisite(s): Permission of instructor.  
(Large Ensemble) An auditioned female dance ensemble which performs in conjunction with Marching Southerners. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 399 Study Tour (3)**

(Theory and Literature) Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.

**MU 400 Senior Recital (0)**

Corequisite(s): MU 435.  
(Performance and Applied Music) Designed to be taken concurrently with the eighth semester of applied music during which the senior recital is presented.

**MU 401 Beginning Improvisation (1)**

(Professional Preparation) Involves the comprehension and application of improvisational skills for the beginning jazz instrumentalist. The class will consist of exploring the use of scales, modes, melodic patterns and common jazz motifs as well as the study of listening and performing.

**MU 402 Advanced Improvisation (1)**

Prerequisite(s): MU 401.  
(Professional Preparation) A continuation of MU 401 focusing on the continued development of the improvisational skills.

**MU 404 Music Theory: Composition (3)**

(Theory and Literature) An introduction to the art of musical composition through analysis and application of contemporary techniques.

**MU 405 Theory and Composition of American Jazz (3)**

Prerequisite(s): MU 401.

Undergraduate (Theory and Literature) A comprehensive formalized study of American Jazz masterpieces from 1900 to the present. Ear training, harmonic analysis, formal and structural considerations, composition, arranging.

**MU 407 Jazz Combo (1)**

(Small Ensemble) For Music majors and minors. A small instrumental ensemble specializing in jazz performance. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 409 Opera Literature (3)**

Prerequisite(s): Permission of instructor.

(Theory and Literature) A survey of the development of opera as a form with detailed study of selected works.

**MU 411 Music History & Literature (3)**

Prerequisite(s): MU 233.

(Theory and Literature) A survey course correlating the development of music literature with the historical development of world culture from the early beginning of music to the Baroque Period.

**MU 412 Music History & Literature (3)**

Prerequisite(s): MU 233.

(Theory and Literature) A continuation of MU 411 from the Baroque Period to the present.

**MU 415 Advanced Brass Methods and Literature (3)**

Prerequisite(s): Permission of the instructor.

(Professional Preparation) Brass teaching materials for public schools or college teacher; examination of methods, etudes, and special studies of each instrument; recordings and corollary readings supplement discussion.

**MU 416 Jazz Arranging I (1)**

(Professional Preparation) Jazz arranging techniques for the rhythm section and various small group instrumental combinations of up to three horns (melodic voices). Emphasis on developing complete rhythm section sound (with or without winds) and advanced voicing techniques (including interval-based voicings, linear approach techniques, and constant structure).

**MU 417 Jazz Arranging II (1)**

Prerequisite(s): MU 416.

(Professional Preparation) A continuation of MU 416 focusing on the continued development of large jazz ensemble arranging skills and techniques.

**MU 418 A Cappella Choir (1)**

Prerequisite(s): Permission of instructor.

(Large Ensemble) For Music majors and minors. An auditioned mixed vocal ensemble performing choral works representative of all periods and genres. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 421 Individual Study in Music Composition (1)**

(Professional Preparation) Individual instruction in techniques of musical composition.

**MU 422 Individual Study in Music Composition II (1)**

Prerequisite(s): Satisfactory completion of MU 421 and permission of instructor.

(Professional Preparation) Individual instruction in techniques of musical composition.

**MU 423 Individual Study/Project (2)**

Provides the opportunity for an advanced student to pursue independent study and research on a specified project in music under faculty direction. May be duplicated for credit for a total of 4 semester hours.

**MU 428 Piano Literature (3)**

Prerequisite(s): MU 233.

(Theory and Literature) A survey of piano repertoire from the early Baroque era through the Contemporary period.

**MU 438 Percussion Literature (3)**

(Theory and Literature) A survey of percussion materials for the public school or college teacher. Literature for percussion and mallet instruments will be examined and discussed.

**MU 440 Band Literature for Teachers (1)**

(Theory and Literature) A survey of current repertoire appropriate for various levels of developing instrumental groups.

**MU 441 Choral Literature for Teachers (1)**

(Theory and Literature) A survey of choral repertoire from the Renaissance through the 21st Century, including music appropriate for elementary, middle school and high school choirs.

**MU 443 Instrumental Conducting (3)**

Prerequisite(s): MU 210.

(Professional Preparation) Training and experience in the techniques of instrumental conducting through the study of representative instrumental literature. Discussion of score preparation and rehearsal procedures. Course is offered in Spring semester only.

**MU 444 Choral Conducting (3)**

Prerequisite(s): MU 210.

Corequisite(s): MU 418.

(Professional Preparation) Training and experience in the techniques of choral conducting through the study of representative choral literature. Discussion of score preparation and rehearsal procedures. Course offered in Fall Semester only.

**MU 450 Symphonic Band (1)**

(Large Ensemble) For Music majors and minors. A large instrumental ensemble performing standard band repertoire. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 451 Advanced Music Technology II (2)**

A detailed discovery of audio processing including recording practices, effects, and mastering.

**MU 452 Lyric Theatre Workshop (1)**

(Small Ensemble) For Music majors and minors. A course emphasizing the technical aspects of theatrical musical productions. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 453 Opera Workshop (1)**

(Professional Preparation) Operatic techniques for the singer/actor: the cultivation, through study and performance of free, expressive and significant movement on stage, and the development of musical, dramatic and muscular sensitivity as the basis of good operatic theater.

**MU 455 Practicum (2)**

(Professional Preparation) Directed and supervised experiences in observation and participation in music activities at various age levels. Allows student to observe and apply music teaching concepts to classroom situations. To be taken as a co-requisite with MU 482 or MU 483.

**MU 471 Elementary Music Materials and Methods (3)**

(Professional Preparation) Methods, materials, and problems of teaching general music; grades P-6.



**MU 479 Jazz Ensemble (1)**

Prerequisite(s): Permission of instructor.  
(Large Ensemble) For Music majors and minors. A large ensemble performing jazz in the big band style. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 482 Secondary Instrumental Music Materials and Methods (3)**

Corequisite(s): MU 455.  
(Professional Preparation) Professional preparation of teachers of instrumental music, grades 7-12 with emphasis on appropriate theory, literature, teaching methods and organizational skills needed to teach in an effective public school instrumental music program. Course is offered in Fall semester only.

**MU 483 Secondary Vocal Music Materials and Methods (3)**

Corequisite(s): MU 455.  
(Professional Preparation) Professional preparation of teachers of vocal music, grade 7-12, with emphasis on theory, literature, teaching methods and organizational skills needed to teach in an effective public school choral program. Course is offered in Fall semester only.

**MU 487 Internship in Grades P-12 (9)**

Corequisite(s): MU 454.  
(Professional Preparation) May be duplicated for credit for a total of nine (9) semester hours. Supervised classroom observation and student teaching in vocal and/or instrumental music in grades N-12. The education concentration candidate is required to take a minimum of 9 hours internship and should consult an academic advisor about scheduling.

**MU 489 Capstone in Music Education (3)**

(Professional Preparation) Designed to encourage the student to reflect upon the process of training in music education and to deepen his/her understanding of aspects of the profession of teaching in music.

**MU 495 Show Choir (1)**

Prerequisite(s): Permission of instructor.  
(Small Ensemble) An auditioned vocal ensemble presenting popular and show style repertoire, often utilizing choreographed movement and dance. Each number may be duplicated for credit for a total of four (4) semester hours.

**MU 499 Independent Study in Music (2)**

Permission of Instructor required. (Professional Preparation) Provides the opportunity for an advanced student to pursue independent study and research on a specified topic in music under faculty direction. Course may be duplicated for credit for two (2) semesters for a total of four (4) semester hours.

## Nursing (NU)

**NU 121 Ethics in Nursing (3)**

Examines ethical reasoning and decision-making in relation to moral, legal, and professional standards. Specific issues confronting the health care delivery system will be analyzed.

**NU 130 Medical Terminology (3)**

This course introduces the elements of medical terminology and provides students with a basic understanding of the language used by healthcare professionals. Knowledge of prefixes, suffixes, word roots is emphasized. Singular and plural forms of medical terms are identified, along with emphasis on word analysis, word building and pronunciation. These guidelines are applied to diverse body systems. Each body system is briefly reviewed and common diagnostic, laboratory, and surgical procedures are introduced.

**NU 300 RISE to Success: Professional Communication and Accountability (0)**

Prerequisite(s): Admission to upper division.  
This course is designed to provide a network of communication and support for at-risk students after completion of the initial RISE course. Students engage in open, ongoing communication with course faculty related to their outcomes in nursing coursework. The primary focus is incorporating effective communication techniques and collaboration to develop personal knowledge, skills, and attitudes needed to deliver safe and effective patient care. Grade: Pass/Fail.

**NU 301 RISE to Success: Leadership in Critical Thinking and Clinical Prevention (1)**

Prerequisite(s): Admission to upper division.  
This course is designed to broaden student understanding of key nursing concepts. Through a variety of learning strategies students will develop decision-making skills applicable to the clinical setting. Grade: Pass/Fail.

**NU 302 Preparation for NCLEX Success (3)**

Prerequisite(s): Assessment into upper division.  
This course required during the fifth semester of the nursing curriculum is designed to prepare students for the NCLEX-RN exam. Individual plans for success are established based on areas of deficiency. Through standardized testing and self-analysis, students identify areas needing improvement and work to improve knowledge. Lab required.

**NU 303 RISE to Success: Integration of Knowledge and Skills into Practice (3)**

Prerequisite(s): Admission to upper division.  
This course is designed as the initial course to assist students who are identified as at-risk and admitted to the RISE program. Students are introduced to effective strategies to promote learning and are individually guided by the instructor. Diverse strategies are utilized to increase perceived self-confidence and knowledge to facilitate success in nursing school. Assigned activities will include a variety of learning experiences, i.e., online, classroom, clinical laboratory simulation. Grade: Pass/Fail.

**NU 304 RISE to Success: Scholarship of Nursing Practice (3)**

Prerequisite(s): Admission to upper division.  
This is a clinical course designed to facilitate essential skills for safe, effective nursing practice. Evidence-based research, clinical judgment, and interprofessional perspectives are incorporated into making decisions related to all steps of the nursing process. This course is designed to facilitate competency in clinical skills. Lab required. Grade: Pass/Fail.

**NU 305 A Bridge to Success (0)**

Prerequisite(s): Acceptance to upper division nursing.  
This course is a 1 day workshop offered just prior to the first semester nursing course, designed to enhance skills needed for success in the baccalaureate nursing program. Emphasis will be on the acquirement, development, and utilization of proper study, time management, stress management, and learning style strategies to enhance success and thus improve retention.

**NU 306 Pharmacology (4)**

Prerequisite(s): Acceptance to upper division.  
Designed to introduce the nursing student to the basic principles of drug therapy, drug calculations, and drug classifications. Lab required.

**NU 309 Health Assessment (4)**

Prerequisite(s): Acceptance to upper division.  
Focuses upon patient assessment and nursing diagnosis, utilizing the approaches of history-taking and physical examination. Lab required.

**NU 311 Foundations of Nursing Practice (6)**

Prerequisite(s): Acceptance to upper division.

This clinical nursing course provides the first contact with individuals/families as clients/patients, and emphasizes the development of skills in problem-solving, nursing process, communication, and therapeutic nursing interventions. Lab and clinical required.

**NU 313 Online Orientation to the STEP Program (0)**

Prerequisite(s): Admission to the STEP Program.

Online orientation to the STEP Program. Required course for all new admissions to the STEP Program and provides each student with valuable information about blackboard, distance learning, GEM (Gamecock Electronic Mail), book list, and policies within the College of Nursing and Health Sciences. Grades: PASS/FAIL

**NU 322 Health Deviations and Clinical Interventions (3)**

Prerequisite(s): Completion of first semester upper division courses.

An in-depth study of disease processes across the life span. Health promotion and disease prevention will be integrated by emphasizing risk factors and relevant therapeutic approaches to reduce the incidence of acute and chronic health problems.

**NU 325 Adult Health in Secondary and Community Settings (5)**

Prerequisite(s): Completion of first semester upper division courses. Lab and clinical required.

Course through which students learn the responsibilities of professional nursing in providing nursing care to the adult patient with various medical-surgical problems. Lab and clinical required.

**NU 326 Psychiatric Mental Health Nursing (5)**

This course is designed to enable students to understand the dynamics of psychiatric nursing and mental health, with an emphasis on the holistic therapeutic care of psychiatric patients/families as well as the therapeutic use of self. The concentration of the course will be focused on the attainment of knowledge regarding psychiatric diagnoses, utilization of the nursing process in providing therapeutic nursing care, understanding appropriate treatment modalities and the establishment of the nurse-patient relationship as it deals with the psychopathological behavior found in the psychiatric patient. Clinically, the student will be utilizing and employing the theoretical aspects in nursing assessment and patient care, one-to-one interactions, group situations, healthcare team discussions, as well as supervision sessions. Lab and clinical required.

**NU 343 Concepts of Emergency/Disaster Nursing (3)**

Course designed to assist students in utilizing knowledge from the biophysical and psychosocial sciences to implement care for patients in the pre-hospital emergency setting.

**NU 344 Perspective in Women's Health (3)**

Prerequisite(s): Upper Division Nursing Students Only.

Elective in nursing. Provides an overview of current women's health issues across the lifespan. Course focuses on the social, political, economic, and cultural influences on women's health.

**NU 345 Communication of Ethical Issues (4)**

Prerequisite(s): Acceptance to STEP Program.

For RN students only. Using ethical decision making as a framework, professional communication will be evidenced through peer critique and scholarly writing. Personal and professional values will be identified through technical, analytical, persuasive, and creative writing.

**NU 350 Professional Roles (5)**

Prerequisite(s): Acceptance to STEP Program.

For RN students only. Course designed to assist the Registered Nurse in making the transition to the professional role (BSN).

**NU 352 Health Assessment Across the Lifespan (3)**

Prerequisite(s): Acceptance to STEP Program.

For RN students only. Provides a foundation for developing a holistic approach as it applies to the physiological, psychological, sociocultural, and environmental health status of individuals. Designed to assist the Registered Nurse with improving communication skills, interview techniques, history-taking, and physical examination techniques in patient/client evaluations.

**NU 365 Pharmacology for the Practicing Nurse (2)**

Prerequisite(s): Acceptance to STEP Program.

For RN students only. This course focuses on current pharmacological concepts for practicing nurses. Emphasis is on current drug classifications, commonly used drugs, assessing client responses to drug therapy, client teaching and nursing interventions related to drug therapy.

**NU 400 Research and Outcomes Management (2)**

Prerequisite(s): Completion of first semester courses.

Designed to assist students to develop knowledge and skills in the research process, to become consumers of research, and to conceptualize the significance of research as the foundation of evidence-based nursing practice.

**NU 401 Research and Outcomes Management for the Practicing Nurse (3)**

Prerequisite(s): Admission to STEP Program.

(3) Designed to assist students who are practicing nurses to develop knowledge and skills in the research process, to become consumers of research, and to conceptualize the significance of research as the foundation of evidence-based nursing.

**NU 403 Nursing Care of Children and Families (5)**

Prerequisite(s): Completion of first and second semester upper division courses.

This course presents nursing care of children and families from well-child care through acute and chronic illnesses in a variety of settings from schools, hospitals to specialty area that focus on early intervention and special needs. The nursing care of children and families centers on understanding growth and development, health promotion, and interventions to maximize optimal health. Lab and clinical required.

**NU 404 Childbearing Families (5)**

Prerequisite(s): Completion of semesters 1 and 2 level nursing courses.

Clinical course designed to enable the student to practice the various roles assumed by professional nurses in the provision of family centered maternal-infant care. Lab clinical required.

**NU 422 Foundations of Nursing Leadership (2)**

Prerequisite(s): Completion of first semester courses.

Introduction to concepts of professional leadership and management and their use in the practice setting with a concentration on professionalism. Emphasis is placed on leadership theories, leadership and management styles, time and stress management, burnout, types of communication, conflict strategies and conflict resolution, planned change, decision making, delegation and scope of practice, prioritization, legalities, advocacy and the significance of diversity and inclusion.

**NU 423 Nursing Management and Leadership (3)**

Provides an overview of concepts of professional leadership and management and their use in the practice setting for the practicing nurse. Emphasizes organizational structure, management, professional and leadership issues.

**NU 424 Adult Health in Secondary, Tertiary, and Community Settings (5)**

Prerequisite(s): Completion of semesters 1, 2, and 3 level nursing courses.

Enhances and further develops the student's ability and knowledge to care for adults with complex health problems together with their need for sophisticated nursing interventions. Lab and clinical required.

**NU 426 Community Health Across the Lifespan (5)**

Prerequisite(s): Completion of semesters 1, 2, and 3 level nursing courses.

Enables the student to use an epidemiological approach in coping with health and illness problems of families, aggregates of populations, and communities. Lab and clinical required.

**NU 428 Practicum (6)**

Prerequisite(s): Completion of first, second, third, and fourth semesters upper division courses.

Corequisite(s): Lab required.

The course focuses on the synthesis and application of previous and concurrent learning in the clinical setting under supervision of course faculty and a clinical preceptor. Additionally, the course is designed to enhance student success on the National Council Licensure Examination (NCLEX).

**NU 433 Advanced Health Deviations and Clinical Interventions (3)**

Completion of first and second semester of upper division courses.

Enables students to integrate concepts in pathophysiology, health deviations, nursing interventions, laboratory tests, and pharmacology as these topics relate to populations at risk.

**NU 442 Transcultural Nursing and Healthcare (3)**

Prerequisite(s): Upper Division Nursing Students, STEP Students, and MSN Students Only.

Elective in nursing. An exploration of theoretical foundations for cultural diversity in health and illness, with emphasis in assessment and analysis of selected cultures as related to nursing and health care practices.

**NU 444 Implementation of Professional Nurse Role (3)**

Permission of Instructor Required. Experience an in-depth analysis of professional nurse role in selected clinical settings. Credit for ROTC Advanced Camp may be given with approval.

**NU 446 Independent Study (2)**

Prerequisite(s): Approval of Advisor.

Special project in nursing studies. Pass/Fail.

**NU 447 Independent Study (1)**

Prerequisite(s): Approval of Advisor.

Special project in nursing studies. Pass/Fail.

**NU 448 Directed Study (3)**

Prerequisite(s): Upper Division Nursing Students and STEP Students Only.

Elective in nursing. Offers the student the opportunity to explore specific areas of interest in nursing in either the theoretical and/or clinical arenas.

Requires completion of coursework to support the areas of interest.

**NU 455 Transition to Professional Nursing (4)**

Prerequisite(s): Completion of semesters 1, 2, 3, and 4 level courses.

Designed to be a capstone course in the baccalaureate nursing program.

Professional nursing competencies such as patient safety, patient centered care, teamwork and collaboration, health informatics, evidence based practice and quality improvement are key components of the course. Validation of nursing knowledge related to clinical reasoning, clinical decision making, prioritization, delegation, problem solving, leadership/management is highlighted. The concept of lifelong learning is encouraged and learning experiences foster the acquisition of competencies vital to successful transition to the healthcare organization. Lab required.

**NU 456 Population-Based Health Care (6)**

Prerequisite(s): Acceptance to STEP Program.

For RN students only. Course designed for the Registered Nurse to apply theoretical concepts related to primary, secondary, and tertiary care of families, aggregates, and populations. Emphasis is on the application of the nursing process and education for at-risk aggregates. Clinical experiences will be designed to meet the individual learning needs of the Registered Nurse student.

## Parallel Coop Ed Prog (CEP)

**CEP 001 Parallel Co Op Education (0)**

Cooperative Education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of 6 semester hours.

**CEP 002 Parallel Co Op Education (0)**

Cooperative Education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of 6 semester hours.

**CEP 003 Parallel Co Op Education (0)**

Cooperative Education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of 6 semester hours.

**CEP 004 Parallel Co Op Education (0)**

Cooperative Education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of 6 semester hours.

**CEP 005 Parallel Co Op Education (0)**

Cooperative Education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of 6 semester hours.

**CEP 006 Parallel Co Op Education (0)**

Cooperative Education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of 6 semester hours.

**CEP 007 Parallel Co Op Education (0)**

Cooperative Education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of 6 semester hours.

**CEP 008 Parallel Co Op Education (0)**

Cooperative Education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of 6 semester hours.

**CEP 009 Parallel Co Op Education (0)**

Cooperative Education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of 6 semester hours.

## Physics (PHS)

**PHS 201 College Physics I (3)**

Prerequisite(s): MS 113 or 117.

Concurrent enrollment in PHS 203 is required. This course is the first half of a two-semester sequence that introduces basic concepts in physics. Beginning with mechanics and motion, we develop methods for mathematically describing the way objects move and predicting their future movement. The course proceeds to study wave motion with springs, strings, water, sound, and light. Does not count toward the Physics minor. Credit will not be granted for both 201 and 211.

**PHS 202 College Physics II (3)**

Prerequisite(s): PHS 201 and either MS 113 or MS 119.

Concurrent enrollment in PHS 204 is required. The second half of this sequence of courses begins by studying electricity and basic circuits, followed by magnetism. A section on light, including lenses and mirrors, follows. The behavior of light waves such as rainbows and soap bubbles will also be explored. Finally, topics from quantum mechanics and special relativity are introduced to give students a flavor of the revolutionary nature of these topics in their original scientific setting. Does not count toward the Physics minor. Credit will not be given for both PHS 202 and PHS 212.

**PHS 203 College Physics Laboratory Techniques I (1)**

Concurrent enrollment in PHS 201 is required. Two laboratory hours each week. Concepts of physics developed in the associated courses will be studied through the use of hands-on activities. Students will work in groups to explore topics in motion, mechanics, waves, and sound. Does not count toward the physics minor.

**PHS 204 College Physics Laboratory Techniques II (1)**

Concurrent enrollment in PHS 202 is required. Two laboratory hours each week. Concepts of physics developed in the associated courses will be studied through the use of hands-on activities. Students will work in groups to explore topics in electricity, magnetism, optics, and modern physics. Does not count toward the physics minor.

**PHS 211 Physics for Scientists and Engineers I (4)**

Prerequisite(s): MS 125.

Concurrent enrollment in PHS 213 is required. This course is the first of two semesters designed to introduce the basic concepts of physics. The first semester will concentrate on the area of physics called Newtonian mechanics that is used to work with macroscopic (ordinary-sized) objects. Beginning with mechanics and motion, we develop methods for mathematically describing the way objects move and predicting their future movement. The course proceeds to study wave motion with springs, strings, water, sound, and light. We will take advantage of the power of calculus to depict movement by weaving its structure into our physical laws and theories. Since the development of both calculus and Newtonian mechanics by Sir Isaac Newton, calculus and physics have been intertwined and students in this course will see these close connections. Credit will not be granted for both 201 and 211.

**PHS 212 Physics for Scientists and Engineers II (4)**

Prerequisite(s): PHS 211, MS 126.

Concurrent enrollment in PHS 214 is required. The second semester of this sequence begins by studying electricity and basic circuits, followed by magnetism. A section on light including lenses and mirrors follows. The behavior of light waves such as rainbows and soap bubbles will also be explored. Finally, topics from quantum mechanics and special relativity are introduced to give students a flavor of the revolutionary nature of these topics in their original scientific setting. Once again, calculus will be used throughout the course. Credit will not be granted for both 202 and 212.

**PHS 213 Elementary Physics Laboratory Techniques I (1)**

Concurrent enrollment in 211 is required. Two laboratory hours each week. Concepts of physics developed in the associated courses will be studied through the use of hands-on activities. Students will work in groups to explore topics in motion, mechanics, waves, and sound.

**PHS 214 Elementary Laboratory Techniques II (1)**

Concurrent enrollment in PHS 212 is required. Two laboratory hours each week. Concepts of physics developed in the associated courses will be studied through the use of hands-on activities. Students will work in groups to explore topics in electricity, magnetism, optics, and modern physics.

**PHS 301 Modern Physics (3)**

Prerequisite(s): PHS 211 with PHS 213 and PHS 212 with PHS 214.

Explore the two 20th century revolutions in physics: quantum mechanics and special relativity. We will study the evidence that led to the acceptance of each of these theories and some of the implications of these theories. Both quantum mechanics and relativity have become part of the popular culture. This course offers the opportunity to understand their ideas in their original context and see how popular culture's usage differs from scientific usage.

**PHS 327 Elementary Radiation Physics (3)**

This course is intended for any student interested in radiation safety and specifically for students in Physics, Chemistry, Pre-medicine, Pre-dentistry, Nursing, Biology, and Archaeology. The course objective is to provide individuals with the knowledge and procedures necessary to minimize exposures to ionizing and non-ionizing radiation and to understand the physiological and environmental effects of radiation. Instruction will include lectures, discussions, demonstration, and laboratory exercises.

**PHS 343 Electromagnetic Fields (3)**

Prerequisite(s): MS 227, PHS 211 with PHS 213, and PHS 212 with PHS 214.

Electric and magnetic fields will be studied. What are their origins? What features of nature affect the nature and strength of the fields? What are some of their effects? Maxwell's equations uniting all of electricity and magnetism will be seen in their full glory.

**PHS 350 Physics in Music (3)**

This course will explore the physics involved in music. A variety of questions with sound and music will be explored. What physical properties can be used to describe sound? How do musical instruments produce sound? What are the physical reasons that instruments playing the same note sound different? How does sound travel through space? Why does your voice sound so different on a recording? Students will be encouraged to generate and explore their own questions. Some of the class periods will be devoted to a hands-on look at ideas. This course is designed to be descriptive in nature rather than highly mathematical. No math or physics prerequisites.

**PHS 371 Astronomy (4)**

3 hours lecture/2 hours lab per week. A survey of the structure and evolution of the universe, from planets to stars and galaxies. Questions about the nature of science, limits to current knowledge, and the influence of space science will be addressed. The course culminates in individual in-dept explorations of particular aspects of astronomy.

**PHS 383 Special Topics (3)**

Prerequisite(s): PHS 202 or PHS 212.

This course will explore a topic of current interest in the field of physics. May be taken twice for a total of 6 semester hours.

**PHS 491 Quantum Mechanics (3)**

Prerequisite(s): PHS 211 with PHS 213, PHS 212 with PHS 214, PHS 301, PHS 343, and MS 344.

An extension of the investigation of quantum mechanics begun in PHS 301 to include the full mathematical development of the theory. Basic tools including linear operators and matrices will be used to explore physical systems.

## Political Science (PSC)

**PSC 100 Introduction to American Government (3)**

Structure and organization of the American national government. Evolution of the United States Constitution and the federal system, civil rights, voting and elections, Congress, the President, and the federal courts

**PSC 101 Introduction to Political Science (3)**

(American Government) Nature and scope of political science, basic concepts and terminology, nature of the state and government, types of political systems, comparative political institutions.

**PSC 102 Introduction to State and Local Government (3)**

(American Government) A study of the organization, functions, and powers of state, county, and municipal governments in the United States.

**PSC 103 Honors Introduction to American Government (3)**

(American Government) Structure and organization of the American national government. Evolution of the United States Constitution and the federal system, civil rights, voting and elections, Congress, the President, and the federal courts.

**PSC 203 Introduction to the Law (3)**

(American Government) An examination of the American legal system, court procedures, appeals procedures, and the use of legal reference materials with selected cases.

**PSC 230 Politics and Film (3)**

(American Government) Current impact and historical influence of film upon American politics and policy. Includes scholarship about the movie industry and civic values. Students view political films.

**PSC 232 Introduction to International Relations (3)**

(Global Studies) Background and basic principles of international politics with emphasis on the modern state system, nationalism, changes in international politics from World War II to the present, and domestic influences on foreign policy.

**PSC 301 Political Science Methods (3)**

(Theory and Methodology) The scope and approaches to political science with considerable attention to research methods, techniques, and current research problems.

**PSC 310 Introduction to Public Policy (3)**

Prerequisite(s): PSC 100.

(Public Administration and Policy) A survey of the functions and major programs of the United States federal government including federal taxes and spending, the regulation of business, national labor policy, public health and welfare programs, conservation and the environment, and national defense and foreign policy.

**PSC 320 Introduction to Public Administration (3)**

(Public Administration and Policy) Surveys the public administration literature. Examines the field's development and key concepts. Introduces core topics such as organizational theory and culture, bureaucratic structure, policy process, public finance, personnel policy, ethics, reform movements, managerial performance and accountability, and public sector drivers of local economic development. Public service values are emphasized.

**PSC 342 Political Parties (3)**

(American Government) Composition, organization, and function of American political parties on the national, state, and local levels.

**PSC 352 The Legislative Process (3)**

(American Government) American legislative bodies with emphasis upon recruitment, composition, structure, procedures, functions, role of parties and pressure groups, and problems of legislative reform.

**PSC 373 Governments of Europe (3)**

Prerequisite(s): PSC 100.

(Global Studies) Examines the political systems and political cultures of Europe with major emphasis on Great Britain, France, Germany and Russia.

**PSC 375 Governments of Latin America (3)**

(Global Studies) Political organization and structure of the principal Latin-American countries with emphasis on constitutional development and present-day issues.

**PSC 377 Governments of the Middle East (3)**

(Global Studies) The government and politics of the Middle East with attention to present developments and the role of these countries in world affairs.

**PSC 410 Religion, Politics and Policy (3)**

(American Government) Explores the historical development and constitutional foundations of religious freedom in America. Probes First Amendment jurisprudence. Examines current debates about free exercise, public interest religion, elections, religion in global affairs.

**PSC 412 Inter-governmental Relations (3)**

Prerequisite(s): None.

Undergraduate Prerequisite: PSC 100. Graduate (Public Administration and Policy) Examines the development, institutions, processes, and problems of state and local government in the United States and their interaction with each other and with the federal government.

**PSC 423 American Foreign Policy (3)**

(Global Studies) Traces main streams of American foreign policy from the twentieth-century to the present. Major American foreign policy decisions are used in the analytical development of American foreign policy processes. The various influences upon foreign policy decision-making are identified and evaluated.

**PSC 430 Governments of Asia (3)**

(Global Studies) Examines the political systems and political cultures of Asian countries from Afghanistan to Southeast Asia, with major emphasis on India, China, and Japan.

**PSC 431 Comparative Politics (3)**

(Global Studies) An examination of the government and politics of a variety of different national states that includes the concepts, ideas, and analytical tools necessary to understand the structures and processes of different types of political systems. Covers western and non-western, developed and less developed, communist and post-communist, and newly industrializing countries. The impact of globalization is also examined.

**PSC 439 Model Debate Team: Global Issues (1)**

Prerequisites for undergraduate: Sophomore status and completion of one global course with a grade of C or better and permission of instructor. Students learn about global issues by representing other countries in model simulations such as Model United Nations and Model Arab League. Students research, write, debate, negotiate, and pass resolutions on issues of international concern. Repeatable up to 4 times. Course also counts toward Political Science major.

**PSC 442 Legal Reasoning (3)**

Prerequisite(s): PSC 203 or Instructor's Approval.

(American Government) An examination of American legal decision-making processes with emphasis on legal theory and application, a review of our blended statutory-common law system and the associated legal processes, and the methodology of legal research and writing.

**PSC 443 Constitutional Law I (3)**

(American Government) Fundamental principles of U.S. Constitution and its development including powers of President and Congress, federalism, interstate commerce, and others; textbook and case method.

**PSC 444 Constitutional Law II (3)**

(American Government) Relationship between individual and government as revealed through constitutional law cases; civil liberties based on interpretation of Bill of Rights and Fourteenth Amendment; textbook and case method.

**PSC 445 Southern Politics (3)**

(American Government) An examination of the party system of the Southern states in terms of its origin, nature, distribution of power and impact on national politics.

**PSC 447 Politics and Public Opinion (3)**

(American Government) Forces affecting politics, public opinion, and elections in the U.S.; examines the election structure, as well as individual and group political participation.

**PSC 450 The American Executive (3)**

(Public Administration and Policy) Role and behavior of American executives at national, state, and local levels in the U.S. political system with emphasis on American presidency.

**PSC 451 Ancient and Medieval Political Theory (3)**

(Theory and Methodology) Examines political thought from ancient Greece to the late Middle Ages in Europe. An emphasis is placed on the historical-cultural context in which these theories developed and their influence on modern concepts.

**PSC 452 Modern Political Theory (3)**

(Theory and Methodology) Examines the major trends in political thought from the Early Modern Era of the 1600's to the present with emphasis upon the development of classical (conservative) liberalism, progressive or new liberalism, socialism, Marxist communism, fascism, and national socialism.

**PSC 454 American Political Thought (3)**

(Theory and Methodology) Principal ideas of leading political thinkers in America from colonial period to the present.

**PSC 455 Introduction to Political Psychology (3)**

(Theory and Methodology) This course is an overview of the interdisciplinary connection between political and psychological processes. The incorporation of political science and psychology might help in the understanding of why leaders behave as they do and why citizens support or oppose political leaders. The course will include: social cognition and decision making, personality and identity, and environmental factors that affect individual political ideologies. (PSC 455 is cross-listed with PSY 446, but only one course may be taken for credit.)

**PSC 458 Theory of Political Film (3)**

(Theory and Methodology) Examines the literature-based classical conditioning of America's founding fathers with attention to symbolism, models and conceptions of merit. Contrast civic virtue in classical republicanism to individual rights in modern liberalism. Juxtaposes theories of Machiavelli and Montesquieu as enlivened in classical film.

**PSC 482 Grantwriting (3)**

(Public Administration and Policy) Practical course instructing the steps involved in the grantwriting process. The course includes strategic planning, research, finding appropriate grant sources and writing the grant.

**PSC 484 Individual Study (3)**

Prerequisite(s): Must be major or minor with advanced standing and have consent of instructor.

Involves extensive study/research upon specific topics under close supervision by instructor. Letter grades are assigned for this course.

**PSC 485 Individual Study (3)**

Prerequisite(s): Must be major or minor with advanced standing and have consent of instructor.

Involves extensive study/research upon specific topics under close supervision by instructor. Letter grades are assigned for this course.

**PSC 493 The Judicial Process (3)**

Prerequisite for Undergraduate: PSC 100. Prerequisite for Graduate: None. (American Government) Procedures involved in judicial process; attendance at actual court trials in the local area.

**PSC 498 Internship (3)**

Prerequisite(s): 15 hours of Political Science.

(American Government) Involves supervised assignment of student either to the U.S. Congress or Alabama State Legislature or to an area public agency such as the East Alabama Regional Planning Commission, City of Anniston, Calhoun County District Attorney's Office, Alabama Seventh Judicial Circuit offices, or a lawyer's office. Grade: Pass/Fail.

**PSC 499 Internship (3)**

Prerequisite(s): 15 hours of Political Science.

(American Government) Involves supervised assignment of student either to the U.S. Congress or Alabama State Legislature or to an area public agency such as the East Alabama Regional Planning Commission, City of Anniston, Calhoun County District Attorney's Office, Alabama Seventh Judicial Circuit offices, or a lawyer's office. Grade: Pass/Fail.

## Psychology (PSY)

**PSY 201 Principles of Psychology (3)**

An introduction to basic methodology, principles, and terms of contemporary psychology. Stresses a scientific analysis of behavior. Direct experience with research psychology or its equivalent may be required.

**PSY 202 Honors Principles of Psychology (3)**

An introduction to the methodology, principles and terms of contemporary psychology, with emphasis on the scientific investigation of behavior. Direct experience with research psychology or its equivalent may be required

**PSY 205 Orientation to Psychology (1)**

An introduction to what psychologists do, what jobs are available in psychology, and how students should proceed through a major in psychology. For students considering a psychology major or who have declared a psychology major. Grades: Pass/Fail.

**PSY 220 Principles of Behavior Analysis (3)**

Prerequisite(s): "C" or better in PSY 201 or 202. Suggested corequisite Corequisite(s): PSY 221. Lab (1). Corequisite or Stresses the skills involved in specifying, observing, and consequenting behavior and teaches the standard techniques of behavioral laboratories.

Prerequisite: "C" or better in PSY 201 or 202. Suggested An introduction to principles of behavior analysis stressing experimental design, observing and recording techniques, and the basic principles of operant conditioning, including schedules of reinforcement. Lab (1). Corequisite or Stresses the skills involved in specifying, observing, and consequenting behavior and teaches the standard techniques of behavioral laboratories.

**PSY 221 Behavior Analysis Lab (1)**

Prerequisite(s): "C" or better in PSY 201 or 202.  
Corequisite(s): PSY 220.

Stresses the skills involved in specifying, observing, and consequenting behavior and teaches the standard techniques of behavioral laboratories.

**PSY 222 Human Development (3)**

Study of mental, physical, social, and emotional life of the individual throughout the life span. Special attention given to the first two decades of life.

**PSY 301 Research Methods and Statistics (4)**

Prerequisite(s): "C" or better in PSY 201 or 202.  
Corequisite(s): MS 204 or MS 302, PSY 220, PSY 221.  
Prerequisites or Introduction to scientific research methodology and statistics as applied to psychological research.

**PSY 323 Adult Development and Aging (3)**

Prerequisite(s): "C" or better in PSY 201 or 202.  
Introduction to methodological, empirical, and theoretical perspectives of psychological development during adulthood. Topics include physical and cognitive development, personality, social development, and the role of work.

**PSY 327 Child and Adolescent Development (3)**

Prerequisite(s): PSY 221.  
The study of human development from prenatal development to adolescence. Topics include psychological theories of physical and motor development, cognitive development, social development, and emotional development, as well as the application of these theories to everyday life.

**PSY 330 Abnormal Psychology (3)**

Prerequisite(s): "C" or better in PSY 201 or 202.  
Examines the major forms of and theoretical explanations for behavior patterns which have been culturally defined as deviant or psychologically abnormal.

**PSY 331 Abnormal Child Psychology (3)**

Prerequisite(s): "C" or better in PSY 201 or 202.  
Integration of theory and empirical research on a wide range of child and adolescent disorders. The course provides a comprehensive coverage of the biological, psychological, and social-contextual determinants of childhood problems. Specific disorders will be presented, describing their characteristics, developmental course, and epidemiology; outlining current diagnostic and classification schemes; identifying risk and protective factors; and discussing implications for prevention and treatment. (Not open to students with credit for PSY 412.)

**PSY 336 Personality and Individual Differences (3)**

Prerequisite(s): PSY 301.  
Overview of the major theories, approaches to measuring personality variables, research findings, and applications in the scientific study of personality. (Not open to students with credit for PSY 335.)

**PSY 337 Psychology of Gender (3)**

Studies of the origin of sex differences within three theoretical models: biological, psychological, and sociological. Examination of the nature of these differences emphasizing current research in areas such as androgyny, sex typing, sexuality, employment, tokenism, and marriage.

**PSY 350 Social Psychology (3)**

Prerequisite(s): PSY 301.  
The study of how others influence an individual's behaviors, thoughts, and emotions. Topics include social influence, persuasion, attitude-behavior consistency, prosocial behavior, aggression, casual attribution, and affiliation.

**PSY 352 Human Sexuality (3)**

Study of the psychological, physiological, social, and behavioral aspects of human sexuality. Topics include sexual orientation, sexual anatomy, contraception, sexually transmitted diseases, pregnancy/birth, and sexuality through the life cycle.

**PSY 354 Introduction to Applied Behavior Analysis (3)**

Prerequisite(s): PSY 220 and 221.  
The application of behavioral principles and behavior assessment, including the measurement of human behavior, experimental design, and data analysis and interpretation. (Not open to students with credit for PSY 362.)

**PSY 355 Positive Psychology (3)**

Prerequisite(s): "C" or better in PSY 201 or 202.  
Overview of diverse topics such as happiness, relationships, spirituality, aesthetic appreciation, work satisfaction, self-control, integrity/ethics. Self-assessment and critical thinking are emphasized.

**PSY 364 Behavior-Change Procedures in Applied Behavior Analysis (3)**

Prerequisite(s): PSY 354.  
Discussion of fundamental elements of behavior change and specific behavior change procedures including those used to teach and maintain appropriate behaviors, eliminate inappropriate behaviors, and develop comprehensive behavioral intervention programs.

**PSY 366 Cognitive Psychology (3)**

Prerequisite(s): PSY 301.  
This course reviews processes, such as memory, concept formation, reasoning, critical thinking, problem solving, and applications of cognitive science. (Not open to students with credit for PSY 415.)

**PSY 383 Biological Psychology (3)**

Prerequisite(s): 301.  
Study of the physiological structures and mechanisms that mediate between environmental events and behavior. (Not open to students with credit for PSY 400.)

**PSY 399 Study Tour (3)**

Prerequisite(s): Permission of instructor.

Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.

**PSY 401 Professional Development (3)**

Prerequisite(s): "C" or better in PSY 201 or 202.

How to choose a career or graduate program in psychology or related field, evaluate and improve your credentials, and prepare to apply. Recommended for junior-level students. (Not open to students with credit for PSY 305.)

**PSY 403 Psychological Testing (3)**

Prerequisite(s): PSY 301.

An introduction to the basic concepts, principles, and methods of psychological assessment centered on historical foundations, test construction and evaluation (psychometrics), and ethical issues pertaining to the use of psychological tests. The application of commonly used types of intelligence, personality, scholastic, and vocational tests are considered.

**PSY 411 Topics in Social Psychology (3)**

Prerequisite(s): PSY 301.

Intensively explores one or two topics within social psychology. Sample topics include emotion, empathy and altruism, happiness, judgment and decision-making, social psychology in film, social influence, and prejudice and stereotyping.

**PSY 425 Health Psychology (3)**

Prerequisite(s): PSY 301.

Use of psychological techniques within medical settings for problems such as hypertension, pain, asthma, eating disorders, and smoking.

**PSY 433 Cultural Psychology (3)**

Prerequisite(s): PSY 301.

Beginning with an examination of theoretical definitions of culture, the course covers a broad range of theories and research findings regarding cultural influences on human behavior and cognitive processes.

**PSY 436 Drugs, Society, and Human Behavior (3)**

Prerequisite(s): "C" or better in PSY 201 or 202.

Provides an overview of current drug-related issues, including societal trends, basic pharmacology of drug action, legislation, treatment, and prevention.

**PSY 444 Conditioning and Learning (3)**

Prerequisite(s): "C" or better in PSY 220 and 221.

A review of research, investigating the basic parameters of conditioning and its theoretical implications. Topics covered will include operant and respondent conditioning.

**PSY 446 Introduction to Political Psychology (3)**

Prerequisite(s): "C" or better in PSY 201 or 202.

This course is an overview of the interdisciplinary connection between political and psychological processes. The incorporation of political science and psychology may help in the understanding of why leaders behave as they do and why citizens support or oppose political leaders. The course will include social cognition and decision making, personality and identity, and environmental factors that affect individual political ideologies. (PSY 446 is crosslisted with PSC 455, but only one course may be taken for credit.)

**PSY 447 Psychology Seminar (3)**

Prerequisite(s): Permission of the instructor.

Examines relevant research and conceptual issues related to varying topics in psychology, such as self-control, family violence, and evolutionary psychology. When offered, a more detailed description will be available on the department website.

**PSY 448 Psychology Seminar (3)**

Prerequisite(s): Permission of instructor.

Examines relevant research and conceptual issues related to varying topics in psychology, such as self-control, family violence, and evolutionary psychology. When offered, a more detailed description will be available on the department website.

**PSY 450 History and Systems of Psychology (3-4)**

Prerequisite(s): None.

Undergraduate Prerequisites: "C" or better in PSY 301 and senior standing. Graduate Examines the historical evolution of modern psychology and the conceptual systems which have been developed. This course serves as the psychology capstone course and the Major Field Test in Psychology is required.

**PSY 460 Instructional Practicum I (3)**

Prerequisite(s): Permission of the instructor.

Practice of behavioral techniques in an instructional setting. Only students with exceptional performance in Psychology classes will be considered for this practicum.

**PSY 461 Instructional Practicum II (3)**

Prerequisite(s): Permission of the instructor.

Practice of behavioral techniques in an instructional setting. Only students with exceptional performance in Psychology classes will be considered for this practicum.

**PSY 480 Community Practicum I (3)**

Prerequisite(s): Permission of the instructor.

Practice of psychological techniques in a community organization such as mental health clinics, juvenile detention centers, etc. Grades: Pass/Fail.

**PSY 481 Community Practicum II (3)**

Prerequisite(s): Permission of the instructor.

Practice of psychological techniques in a community organization such as mental health clinics, juvenile detention centers, etc. Grades: Pass/Fail.

**PSY 485 Applied Behavior Analysis Practicum I (3)**

Prerequisite(s): PSY 220, PSY 221 and permission of instructor.

Practice of behavior analysis principles in applied settings such as developmental centers and organizations.

**PSY 486 Applied Behavior Analysis Practicum II (3)**

Prerequisite(s): PSY 220, PSY 221 and permission of instructor.

Practice of behavior analysis principles in applied settings such as developmental centers and organizations.

**PSY 490 Individual Research I (3)**

Prerequisite(s): PSY 301 and permission of instructor.

Students will conduct supervised research projects chosen in coordination with their supervisor.

**PSY 491 Individual Research II (3)**

Prerequisite(s): PSY 301 and permission of instructor.

Students will conduct supervised research projects chosen in coordination with their supervisor.



**PSY 498 Honors Thesis I (3)**

Prerequisite(s): PSY 301, permission of thesis supervisor, and senior standing.

Completion of an original research project developed in conjunction with a psychology faculty member.

**PSY 499 Honors Thesis II (3)**

Prerequisite(s): PSY 301, permission of thesis supervisor, and senior standing.

Completion of an original research project developed in conjunction with a psychology faculty member.

## Public Safety Telecom (PST)

**PST 110 Introduction to Public Safety Communications (3)**

An introduction to telephone and radio communications skills, interpersonal communications, and basics of call handling, legal issues in public safety communications and technologies for the telecommunicator. This course will provide the information necessary to understand the job of a public safety telecommunicator and is the foundation to begin working in police, fire, EMS or combined service communications center.

**PST 115 Emergency Medical Dispatching (3)**

This course is designed to prepare the student to receive a call requesting assistance for emergency medical services (EMS) and allocate community resources in response to such request. Upon course completion, the student will be qualified to provide pre-arrival medical instructions to the caller, and post-dispatch information to the responding agencies.

**PST 221 Role in Hostage Negotiations (3)**

This course is designed to provide the student with the principles required for critical thinking to deal with a hostage situation until a highly trained negotiator assumes control.

**PST 311 Interpersonal Communications (3)**

Introduction to the basic concepts of interpersonal communications and oral communications necessary for the public safety telecommunicator to interact with public safety personnel and citizens of the community. Techniques to overcoming barriers, achieving effective communications, handling difficult callers, listening effectively, and resolving conflicts will be addressed.

**PST 312 Legal Issues in Public Safety Communication (3)**

An overview of legal issues impacting the public safety communication and telecommunication industry. The course will present a series of case studies which present a rational prospective of the liability exposure of the public safety telecommunicator. The course shall provide the legal principles and processes that, when adhered to, should guide toward minimizing liability exposure.

**PST 313 Introduction to Crisis Intervention (3)**

The critical principles in support of crisis intervention and techniques for handling domestic violence, potential suicide, hostage, and civil unrest situations as a public safety communicator.

**PST 314 Introduction to Weapons of Mass Destruction (3)**

The basic principles needed to respond to a Weapons of Mass Destruction (WMD) event. The course will present the role and responsibilities of the public safety telecommunicator in recognizing and dispatching assistance for aid while maintaining documentation of calls for assistance resulting from a WMD incident.

**PST 323 Human Resource Management in Public Safety Communications (3)**

An overview of Human Resource Management issues including principles of human resources, federal employee regulations, and Americans with Disabilities Act.

**PST 325 Management Principles in Public Safety Communications (3)**

An overview of basic management principles, including organizational theory, operational models, supervision, evaluations, and steps for effective leadership.

**PST 328 Technical Writing for Public Safety Communicators (3)**

An introduction to the basic concepts for professional writing. Emphasis on writing skills necessary for the preparation of standard operating procedures, training documents, and related materials.

## Reading (RDG)

**RDG 298 Literature and Language for Children (3)**

A survey course of children's literature and language development, this course explores genres of children's literature. Vocabulary and comprehension strategies for early childhood and elementary teaching are introduced. Upon completion students will be able to support a literature and language rich classroom environment. This course may be taken prior to Teacher Education Program eligibility.

**RDG 304 Early Literacy (3)**

Corequisite(s): ECE 303, ECE 306, and ECE 309.

Materials and methods of teaching literacy in early childhood. Foundations of literacy development including reading, writing, listening, spelling, and speaking will be emphasized. Requires Teacher Education Program eligibility.

**RDG 311 Early Childhood Reading and Literature for the Twenty-First Century (3)**

Prerequisite(s): Teacher Education Program eligibility and successful completion of the ECE block.

Methods, materials and research findings on beginning reading instruction in P-3 classrooms. Emphasis will be placed on teaching phonics and integrating children's literature in early childhood literacy programs.

**RDG 312 Children's Literature (3)**

Evaluation of books for children, selection criteria, and the interests, needs and abilities of children emphasized. Requires Teacher Education Program eligibility.

**RDG 342 Teaching Reading (3)**

Prerequisite(s): RDG 304.

Corequisite(s): ECE 407, EED 339 and EED 344.

Methods, materials, and research findings concerned with beginning reading instruction and literacy development for the elementary grades. Requires Teacher Education Program eligibility.

**RDG 343 Collaborative Reading (3)**

Corequisite(s): SPE 331, SPE 340 and SPE 348.

The purpose of this course is to provide information regarding methods, materials, and research findings concerned with beginning reading instruction for the elementary grades. Requires Teacher Education Program eligibility.

**RDG 354 Reading Diagnosis (3)**

Prerequisite(s): RDG 342 or RDG 343.

Methods and materials in reading and literacy development in elementary grades with emphasis on diagnostic, remediation, and enrichment strategies along with progress monitoring of reading progress. Requires Teacher Education Program eligibility.

## Respiratory Therapy (RT)

**RT 300 Fundamentals of Respiratory Care I (4)**

A study of respiratory care treatment modalities and equipment.

Emphasis is placed on understanding application to patient situations, assessment of care, and principles of operation of equipment.

Infection control issues will be included. Students will discuss the pathophysiology, health promotion and disease prevention aspects of each modality. Relevant lab exercises will be included.

**RT 305 Patient Assessment (4)**

A study of patient assessment skills and procedures used in the evaluation of the respiratory patient. Emphasis will be on patient care procedures, physical assessment, laboratory assessment, communication skills, and documentation. Professionalism, ethics and civic responsibilities of the respiratory therapist will be discussed. Relevant lab exercises will be included.

**RT 310 Cardiopulmonary Anatomy and Physiology (3)**

A study of the structure and function of the respiratory system.

Physiology of the respiratory, cardiac, and renal systems will be discussed. Emphasis will be on how each control the body's acid-base status and the effects of respiratory therapeutic modalities on each system.

**RT 315 Respiratory Care Pharmacology (2)**

A study of pharmacological agents used in the treatment of cardiopulmonary disease and critical care. Emphasis will be on drugs used to influence the respiratory, cardiovascular, nervous and renal systems.

**RT 320 Clinical I (2)**

Practical application of respiratory care performed under supervision at clinical sites. This course serves as an introduction to the hospital environment. Proficiency evaluations of selected respiratory care procedures will be completed. Eight hours of clinical experience for four weeks will be included.

**RT 325 Fundamentals of Respiratory Care II (4)**

This course is a continuation of RT 300. It is designed to continue the progression from basic respiratory care modalities to more advanced therapy and equipment. Emphasis will continue to be on understanding application to patient situations, assessment of care, and principles of operation of equipment. Relevant lab exercises will be included.

**RT 330 Airway Management and Resuscitation (2)**

A study of the selection, application, maintenance, and discontinuance of various artificial airways. Emphasis will be on intubation, extubation, tracheostomy care, and suctioning. The role of the respiratory therapist in a cardiopulmonary arrest will be covered in accordance with American Heart Association Advanced Cardiopulmonary Life Support (ACLS) guidelines. ACLS will be taught.

**RT 335 Pathology for Respiratory Care (3)**

A study of the diseases affecting the respiratory system commonly encountered by practicing respiratory therapists. The pathophysiology, clinical signs and symptoms, diagnosis, management, and prognosis of acute and chronic pulmonary diseases will be discussed.

**RT 340 Research (3)**

A study of clinical research methods and concepts related to respiratory care. Emphasis is on an overview of the research process and how to critically evaluate published and empirical research.

**RT 345 Clinical II (2)**

Practical application of respiratory care performed under supervision at clinical sites. Proficiency evaluations of selected respiratory care procedures will be completed including basic and advanced modalities. Students will prepare and present case studies relevant to this patient population.

**RT 350 Ventilatory Support I (4)**

A study of the basic physics, theory, and methods commonly used in mechanical ventilation. Emphasis will be on patient management and assessment. Invasive and non-invasive ventilation will be discussed, including advanced oxygen delivery systems. Relevant lab exercises will be included.

**RT 355 Advanced Critical Care Monitoring (3)**

A study of advanced cardiopulmonary monitoring used in critical care. Emphasis will be on ventilator waveform analysis, capnography, and hemodynamic monitoring.

**RT 360 Clinical III (2)**

Practical application of respiratory care performed under supervision at clinical sites. Proficiency evaluations of selected respiratory care procedures will be completed including advanced modalities and mechanical ventilation. Students will prepare and present case studies relevant to this patient population.

**RT 400 Ventilatory Support II (4)**

This course is a continuation of RT 350. A study of advanced mechanical ventilation. Adult, pediatric, and neonatal ventilation will be discussed. Emphasis will be on patient management and assessment. Relevant lab exercises will be included.

**RT 405 Neonatal and Pediatric Respiratory Care (3)**

A study of respiratory therapy involving infants and children. Emphasis will be on patient management and assessment in basic and intensive care settings. Developmental anatomy and physiology, pharmacology, disease management and prevention, health promotion, oxygenation, and resuscitation will be discussed. PALS and NRP will be taught. Relevant lab exercises will be included.

**RT 410 Pulmonary Disease (3)**

A study of diagnostic testing and measurements used in providing care for respiratory patients. Emphasis will be on pulmonary function testing, bronchoscopy, sleep studies, and other special procedures commonly encountered by the practicing respiratory therapist. Relevant lab exercises will be included.

**RT 415 Clinical IV (4)**

Practical application of respiratory care performed under supervision at clinical sites. Proficiency evaluations of selected respiratory care procedures will be completed including advanced mechanical ventilation, special populations, and diagnostics. Students will prepare and present case studies relevant to this patient population.

**RT 420 Palliative, Long-Term and Preventative Care (3)**

A study of the respiratory therapist's role in pulmonary rehabilitation, home care, and patient education and motivation in preventative care. Reimbursement issues will be discussed. This course will also provide an overview of the growing need for quality palliative care. The scope of palliative care and current end-of-life issues will be introduced.

**RT 425 Respiratory Therapy Education (3)**

A study of general educational and instructional methods and techniques. Emphasis will be on patient education and health promotion. The student will learn how to write learning objectives, how to evaluate patient education, how to prepare and present a topic for an in-service presentation, and how to present a lecture in a classroom and in the laboratory environment.

**RT 430 Respiratory Therapy Leadership (2)**

A study of management of a respiratory therapy and cardiopulmonary department. Emphasis will be on regulatory agency and accreditation standards related to respiratory therapy, departmental budgeting, quality assurance, human resource issues, conflict resolution, and staff training.

**RT 435 Clinical V (4)**

Practical application of respiratory care performed under supervision at clinical sites. This course prepares students to perform as advanced-level respiratory therapists. Proficiency evaluations of selected respiratory care procedures will be completed. Emphasis will be on advanced mechanical ventilation in adults, pediatrics, and neonates; special procedure areas may be assigned.

**RT 440 Advanced-Level Exam Review (1)**

This course is designed to assist students in preparing for the Therapist Multiple-Choice and Clinical Simulation Exams offered by the National Board for Respiratory Care (NBRC).

**RT 442 Advanced Ventilatory Support (4)**

A study of advanced mechanical ventilation. Adult, pediatric, and neonatal ventilation will be discussed. Emphasis will be on patient management and assessment. Invasive and non-invasive ventilation techniques will be included.

**RT 444 Critical Care Monitoring (2)**

A study of monitoring utilized in an intensive care unit. Emphasis will be on ventilator waveform analysis, capnography, pulse oximetry, and hemodynamic monitoring.

**RT 446 Research for Respiratory Therapists (3)**

A study of clinical research methods and concepts related to respiratory care. Emphasis is on an overview of the research process and how to critically evaluate published and empirical research.

**RT 448 Advanced Practice Elective (3)**

The Advanced Practice Elective can be completed in the semester of the student's choice. Completion of the course requires the student to prepare for and complete the requirements for one of the following advanced practice credentials: Advanced Critical Care Specialist, Neonatal-Perinatal Specialist, Certified Asthma Education, Certified Pulmonary Function Technologist, Registered Pulmonary Function Technologist, Certified Sleep Disorder Specialist, Registered Sleep Disorder Specialist, or Certified Tobacco Treatment Specialist.

**RT 450 Healthcare Education for Respiratory Therapists (4)**

A study of the respiratory therapist's role in patient education and health promotion. General educational and instructional methods and techniques will be introduced. The student will learn how to write learning objectives, how to evaluate patient education, how to prepare and present a topic for an in-service presentation, and how to present a lecture in a classroom and in the laboratory environment.

**RT 452 Patient Care Management Strategies (3)**

Prerequisite(s): RT 446.

A study of the current professional environment and the role of the respiratory therapist in patient care management. An introduction to the concept of evidence-based practice and discussion of how to incorporate evidence and best practices into professional work. Therapist-driven protocols, respiratory case managers, and care coordinators/navigators will be introduced.

**RT 454 Advanced Neonatal and Pediatric Care (3)**

A study of respiratory care involving infants and children. Emphasis will be on patient management and assessment in basic and intensive care settings. Developmental anatomy and physiology, pharmacology, disease management and prevention, health promotion, oxygenation, and resuscitation will be discussed.

**RT 456 Healthcare Leadership for Respiratory Therapists (4)**

A study of the management of a respiratory therapy and cardiopulmonary department. Emphasis will be on regulatory agency and accreditation standards related to respiratory therapy, departmental budgeting, quality assurance, human resource issues, conflict resolution, staff training, and customer service.

**RT 458 Special Procedures (3)**

A study of diagnostic testing commonly encountered by practicing respiratory therapists. Emphasis will be on pulmonary function studies. Other special procedures will be introduced.

**RT 460 Alternative Care Roles for Respiratory Therapists (3)**

A study of the respiratory therapist's role in pulmonary rehabilitation, long-term care, long-term acute care, home care and palliative care. Patient education and motivation in preventative care will be discussed. An overview of reimbursement issues will be included. The scope of palliative care and end-of-life issues will be discussed.

## Secondary Education (ESE)

**ESE 304 Curriculum Planning and Learning Styles (3)**

Prerequisite(s): Requires Teacher Education Program eligibility; Co-requisite

Provides an introduction to all aspects of appropriate curriculum planning for secondary educators, differentiation required for teaching in the diverse classroom, and the learning differences that make this differentiation necessary.

**ESE 306 Integrated Instructional Design (3)**

Prerequisite(s): Co-requisite

Provides for the integration of appropriate instructional planning, engaging instructional strategies, appropriate technologies, and teaching field standards from multiple disciplines through the use of in-the-field observations and experience. The course consists of a 100-hour practicum with associated assignments. Requires Teacher Education Program eligibility.

**ESE 329 Adolescent Development and Behavior (3)**

This course addresses the stages of physical, cognitive, and social-emotional development of adolescents at the middle and high school levels from a global and multicultural perspective as well as the range of behaviors exhibited by adolescents during the secondary school years in order to facilitate better decision-making by educators related to the appropriate developmental and behavioral expectations for students at the secondary level.

**ESE 383 Content Literacy (3)**

This course encompasses both theory and practice associated with content literacy as well as the use of literacy strategies in the various Secondary Education teaching fields.

**ESE 420 Teaching Mathematics (3)**

Prerequisite(s): ESE 304 and ESE 306.

Corequisite(s): The appropriate section of ESE 485.

Requires Teacher Education Program eligibility. In addition, students are encouraged to complete 90% of all program courses prior to enrollment in this course. Materials and methods of teaching mathematics at the secondary level.

**ESE 421 Teaching Social Studies (3)**

Prerequisite(s): ESE 304, ESE 306.

Corequisite(s): The appropriate section of ESE 485.

Requires Teacher Education Program eligibility. In addition, students are encouraged to complete 90% of program courses prior to enrollment in this course. Materials and methods of teaching history and other social sciences at the secondary level.

**ESE 422 Teaching English Language Arts (3)**

Prerequisite(s): ESE 304, ESE 306.

Corequisite(s): The appropriate section of ESE 485.

Requires Teacher Education Program eligibility. In addition, students are encouraged to complete 90% of program courses prior to enrollment in this course. Materials and methods of teaching English language arts at the secondary level.

**ESE 423 Teaching General Science (3)**

Prerequisite(s): ESE 304, ESE 306.

Corequisite(s): The appropriate section of ESE 485.

Requires Teacher Education Program eligibility. In addition, students are encouraged to complete 90% of program courses prior to enrollment in this course. Materials and methods of teaching natural and physical sciences at the secondary level.

**ESE 424 Foreign Language Methods (3)**

Prerequisite(s): ESE 304, ESE 306.

Corequisite(s): The appropriate section of ESE 485.

Requires Teacher Education Program eligibility. In addition, students are encouraged to complete 90% of program courses prior to enrollment in this course. Materials and methods of teaching foreign language at the secondary level.

**ESE 426 World History in Secondary Schools (3)**

Prerequisite(s): HY 101, 102, 201 and 202.

Reviews the history of numerous regions around the world that are outside of the North American/European frame, considers the importance of these regions independently and collectively through historical and current lenses, reviews the secondary education standards related to the teaching of world regions and history. Considers research-based, best practices for teaching various world history content as well as incorporating these practices when teaching other history and/or social studies content that requires the inclusion of some world history.

**ESE 427 Government, Economics, and Geography in the Secondary Schools (3)**

Prerequisite(s): HY 101, 102, 201 and 202.

This course reviews the history and structure of various government types through both historical and current lenses, considers the impact and influence of economics and geography on human history, reviews the secondary education standards related to the teaching of government, economics, and geography. Considers research-based, best practices for these subjects as well as incorporating these practices when teaching a variety of history and/or social studies courses that require the inclusion of government, economics, and geography.

**ESE 428 American History in Secondary Schools (3)**

Prerequisite(s): HY 101, HY 102, HY 201, and HY 202.

This course reviews the history of North America over the past 500 years, including the history of the United States of America, considers the importance of the region and the interconnectedness of the various regions and peoples of North America independently and collectively through historical and current lenses, and reviews the secondary education standards related to the teaching of US and World History. This course considers research-based, best practices for teaching historical content as well as incorporating these practices in the teaching field of middle and high school history.

**ESE 429 Ancient History in Secondary Schools (3)**

Prerequisite(s): HY 101, HY 102, HY 201 and HY 202.

This course covers the history of influential regions and cultures around the world beginning with earliest humans and going through 1500 CE, considers the importance of these regions and cultures independently and collectively through historical and current lenses, and reviews the secondary education standards related to the teaching of ancient world regions and cultures. Considers research-based, best practices for teaching historical content as well as incorporating these practices in the teaching of middle and high school history.

**ESE 433 Teaching Literature in Secondary Schools (3)**

Prerequisite(s): EH 101, EH 102, and EH 141; EH 201 and EH 202 or EH 203 and EH 204 or EH 231 and EH 232.

This course is designed to expose pre-service English language arts teachers to critical theory, history, and standards, which are embedded in the multiple roles of teaching literature in secondary schools. Opportunities for students to examine and evaluate current issues, research, as well as the integration of diverse instructional strategies in all program coursework will be explored.

**ESE 434 Teaching Writing in Secondary Schools (3)**

Prerequisite(s): EH 101, EH 102, EH141; EH 201 and EH 202 or EH 203 and EH 204 or EH 231 and 232.

This course is designed to expose English language arts students to critical theory, history, and standards, which are embedded in the multiple roles of teaching writing in secondary schools. Practical instructional strategies in teaching writing through traditional and new literacies will be explored.

**ESE 440 Diversity and Multicultural Education (3)**

Develops a broad understanding of the student diversity in secondary schools in the United States. Various approaches to multicultural education will be employed to equip Teacher Candidates with teaching a diverse student population.

**ESE 444 Assessment (3)**

Prerequisite(s): Requires Teacher Education Program eligibility.

This course is an introduction to developmentally appropriate evaluation of teaching/learning at the secondary level and use of assessment to improve student outcomes.

**ESE 455 Classroom Management (3)**

Prerequisite(s): Requires Teacher Education Program eligibility. Provides an introduction to the major theories related to classroom management and appropriate application of these theories into the secondary school environment.

**ESE 485 Senior Practicum (3)**

Prerequisite(s): ESE 304.

Corequisites: The appropriate special methods course ESE 420-424. Students are encouraged to have 90% of all program courses completed prior to enrollment in this course. A 150 clock-hour, supervised Level III clinical experience in Grades 6-12. Requires Teacher Education Program eligibility. Offered in the fall and spring semesters only.

## Social Work (SW)

**SW 300 Interpersonal Skills and Human Relations (3)**

This course examines interpersonal skills and helping relationships. The course is designed to help students better understand themselves and their personal and professional relationships. Critical thinking skills, problem-solving techniques and conflict resolution tactics are emphasized.

**SW 330 Introduction to Social Work (3)**

Prerequisite(s): 24 earned hours.

Designed to assist the student who is considering social work as a career. Fundamental concepts of social work, client systems, fields of practice, history, and the current status of social work are presented. Students are required to complete 30 hours of volunteer work in fulfilling course requirements.

**SW 332 Social Policy and Services (3)**

Prerequisite(s): SW 330, SW 380, and SW 390.

Current social policies and programs are presented and analyzed. Information on influencing policy formulation in the administrative, legislative, and judicial arenas is emphasized.

**SW 333 Family and Child Welfare Services I (3)**

An exploration of the history of child welfare service in this country, as well as current trends in this field of social work. Foster care, adoption, and protective services will be viewed in a historical perspective, ending with an evaluation of current policy and future implications for social work practice in child welfare areas.

**SW 335 Social Work in Health Care (3)**

This course explores social work practice in various health care settings such as hospitals, health maintenance organizations, long-term care facilities, and home health care agencies. The psychosocial aspects of working with clients (patients) and the range of intervention strategies available to social work practitioners will be discussed.

**SW 336 Crisis Intervention (3)**

This course provides content in crisis theory and intervention strategies. May be used as an elective in social work.

**SW 338 Social Work and Mental Health (3)**

This course is designed to teach the identification, symptomology, and current trends in the treatment of mental illness. Emphasis will be placed on the diagnosis and treatment of dysfunctional cognitive, emotive, and behavioral disorders.

**SW 339 Communication In Social Work Practice (3)**

An exploration of the historical development and current trends in both verbal and written forms of social work communication. Students will gain understanding in the development of effective presentations, psycho-social assessments, memorandums, proposals, progress notes, agendas, minutes, and other types of communication needed to be effective social work practitioners.

**SW 340 Social Work and Substance Abuse (3)**

This course presents the current trends related to the use, abuse, and addiction of alcohol and drugs. Treatment options and legal ramifications will be explored.

**SW 343 Family and Child Welfare Services II (3)**

Prerequisite(s): SW 330.

This course examines contemporary theory, practices, and services in the field of child welfare and social services for children and families. Emphasis is placed on supportive, supplementary, and substitute care services in child welfare, including skills and knowledge most helpful in case management with children and families.

**SW 344 Community Engagement and Leadership (3)**

The course is designed to help students come to a personal understanding of community service and leadership through learning based on volunteer service experiences, readings, group discussion and interaction, and critical reflection. This course includes the examination of pervasive social issues occurring locally, nationally, and globally. As part of this course, students are required to complete a minimum of 40 volunteer service-learning hours in a community and/or social service setting to be approved by the instructor. Students will be introduced to skills and issues relevant to various helping and human service professions.

**SW 350 Social Work Research (3)**

Prerequisite(s): SW 330, CS 201, and MS 108 or higher.

This course will focus on the application of theories and skills of social research to social work practice with individuals, groups, organizations, and communities. It is recommended this course be taken soon after SW 330. Students can use the skills and knowledge developed in this course to better complete the research assignments in the advanced social work courses. Social Work Majors only.

**SW 353 Forensic Social Work (3)**

Prerequisite(s): SW 330.

This course provides an examination of social work roles within the realm of the criminal justice and legal system. The course will focus on the knowledge, skills, ethics, and competencies necessary for working with diverse populations within these settings. Topics will include, but are not limited to, forensic social work practice within the child welfare system, mental health system, juvenile justice system, domestic violence, etc.

**SW 360 Cultural Diversity and Social Justice (3)**

Prerequisite(s): SW 330.

Content is presented that promotes understanding, affirmation, and respect for people from diverse backgrounds. Content focuses on how prejudice, discrimination, and exclusion affect the experiences of members of diverse groups.

**SW 365 Perspectives on Poverty (3)**

This course explores the heritage of poverty in the United States and the implications of the myths, facts, and social policies that influence and affect individuals, families, and communities. The course emphasizes the complex causes and prevalence of poverty and explores poverty research and models to eradicate or prevent poverty.

**SW 370 Aging and Human Development (3)**

An examination of aging in the United States. Primarily a sociological perspective but deals with the psychological and biological aspects of aging, as well as contemporary demographic, economic, and political trends. SW 370 is cross-listed with SY 370 but only one course can be counted for credit.

**SW 371 Perspectives on Death and Dying (3)**

An examination of the attitudes of differing cultures and subcultures toward death, which encourages students to supplement relevant readings by discussing personal attitudes toward death and dying. Current research in this topic will be explored by lectures, films, and reading. By better understanding death and dying, students can explore in this course opportunities for growth and for improving the quality of life. SW 371 is cross-listed with SY 340 but only one course can be counted for credit.

**SW 380 Human Behavior and Social Environment I (3)**

Prerequisite(s): BY 101, 102, 103 and 104.

Information about the stages of the human life cycle from birth through old age is presented. Attention is given to the biological and social factors of human development. SW 380 may be taken concurrently with SW 330. Social Work Majors only.

**SW 381 Human Behavior and Social Environment II (3)**

Prerequisite(s): SW 330 and SW 380.

The focus is on the following social systems: family, group, organization, community, culture, and society. Human behavior within these systems and the behavior of these systems as entities are studied. Social Work Majors only.

**SW 390 Social Work Practice I (3)**

Prerequisite(s): SW 330.

Generalist social work practice, ethics and values of the social work profession, and basic helping skills will be studied. Students will begin to acquire generalist social work practice skills and an identity with the social work profession. Social Work Majors only.

**SW 391 Social Work Practice II (3)**

Prerequisite(s): SW 330 and SW 390, and admission to the BSW Program. Generalist practice skills will be developed for work with families and groups. Family assessments and interventions and group practice issues will be reviewed.

**SW 392 Cognitive Theories in Social Work Practice (3)**

The process of how emotions work and how humans can learn to behave more rationally in dealing with anger, anxiety, and depression will be reviewed.

**SW 395 Case Management (3)**

Prerequisite(s): SW 330.

This course will assist students to develop skills in assessment, consulting, teaching, modeling, and advocacy to enhance the optimum social functioning of clients. Attention will be paid to the ways in which social workers can utilize practice models to pursue policies, services, and resources in a variety of social service settings.

**SW 399 Study Tour (3)**

Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only 3 credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.

**SW 441 Independent Study (3)**

Prerequisite(s): Approval of the department head and instructor.

Students with advanced standing explore areas of special interest with individualized instruction from a faculty member. Social Work Majors only.

**SW 442 Independent Study (3)**

Prerequisite(s): Approval of the department head and instructor.

Students with advanced standing explore areas of special interest with individualized instruction from a faculty member. Social Work Majors only.

**SW 443 Independent Study (3)**

Prerequisite(s): Approval of the department head and instructor.

Students with advanced standing explore areas of special interest with individualized instruction from a faculty member. Social Work Majors only.

**SW 445 Special Topics in Social Work (1)**

Prerequisite(s): SW 330 and permission from the instructor and Department Head.

This course focuses upon a selected area of social work practice and/or education. The course capitalizes on a timely topic, research activity, or experimental alternative to existing courses, etc. Directed Study. (Social Work Majors only.)

**SW 446 Special Topics in Social Work (1)**

Prerequisite(s): SW 330 and permission from Instructor and Department Head.

This course focuses upon a selected area of social work practice and/or education. The course capitalizes on a timely topic, research activity, or experimental alternative to existing courses, etc. Directed Study. (Social Work Majors only)

**SW 447 Special Topics in Social Work (1)**

Prerequisite(s): SW 330 and permission from Instructor and Department Head.

This course focuses upon a selected area of social work practice and/or education. The course capitalizes on a timely topic, research activity, or experimental alternative to existing courses, etc. Directed Study. (Social Work Majors only)

**SW 448 Social Work Practice III (3)**

Prerequisite(s): All other courses for the BSW degree except SW 449 and SW 450 and admission to Field Instruction Placement.

Corequisite(s): Sw 449 and SW 450.

Generalist practice knowledge, values, and skills will be studied and developed for work with and in organizations, communities, and large social systems.

**SW 449 Field Instruction Placement (9)**

Prerequisite(s): All other courses for the BSW degree except SW 448 and SW 450 and admission to Field Instruction Placement.

Corequisite(s): SW 448 and SW 450.

Internship in a social service agency for 450 hours of supervised practice.

**SW 450 Field Instruction Seminar (3)**

Prerequisite(s): All other courses for the BSW degree except SW 448 and SW 449 and admission to Field Instruction Placement.

Corequisite(s): SW 448 and SW 449.

Class meets once a week.

# Sociology (SY)

## **SY 221 Introduction to Sociology (3)**

Basic concepts, principles, and methods of sociological analysis are examined. Subject areas include culture, socialization, groups, communities, institutions, social inequality, and social change.

## **SY 222 Honors Introduction to Sociology (3)**

Basic concepts, principles, and methods of sociological analysis are examined. Writing intensive, the primary goal is to teach students how to critically evaluate the world around them and their place in it using the sociological imagination.

## **SY 223 Social Problems (3)**

Prerequisite(s): SY 221 or SY 222.

An application of the sociological perspective to understanding important contemporary social issues and the social actions and policies that attempt to address them. Students develop critical thinking skills as they explore social problems, solutions and social change. Topics focus on inequality (race/ethnicity, class, gender, etc.) embedded in social institutions.

## **SY 301 Sociological Methods (3)**

Prerequisite(s): SY 221 or SY 222.

Sociological Methods involves various methodologies researchers utilize to produce scientifically based knowledge about society. Methods are any application of methodology, and methodology attempts to answer the question: how do you know? This course is an introduction to theory, design, collection, and analysis of data in sociology with particular focus given to various techniques by which sociological data are examined.

## **SY 303 Computers and Data Analysis (3)**

Prerequisite(s): SY 301 or 304 or CS 201.

Computers are used in the analysis of survey data. Commonly used software packages, such as SPSS, are employed.

## **SY 304 Social Statistics (3)**

Prerequisite(s): MS 100 or higher.

An introduction to use of statistics in the social sciences, with an examination of measures of association and dispersion, scaling, probability, and tests of significance.

## **SY 308 American Society and Culture (3)**

Prerequisite(s): SY 221.

A Sociological Analysis of American Society and Culture, this course will examine the basic institutions in American society such as family, education, religion, politics, and economy. It analyzes the roll of organizations in society. It discusses the origin of American culture and the nature of popular culture.

## **SY 309 Sociology of Disability (3)**

This course addresses the human responses to and facilitation of the concept of disability. The emphasis will be to connect the relationship among theory, epistemology, power relationships, and the social construction of disability. When the course is over, you should have a deeper understanding of social theory, the history of disabilities, and also how the concept of disabilities impacts our lives today.

## **SY 310 Modern Family (3)**

Prerequisite(s): SY 221 or SY 222.

A study of origin and evolution of the modern family as a social institution and as a social group with emphasis on how family is impacted by other institutions (economy, state, media, religion, etc.) as well as inequalities (gender, sexualities, race, class, etc.)

## **SY 313 Social Psychology (3)**

Prerequisite(s): SY 221.

A survey of traditional and contemporary theories in social psychology regarding their applicability to everyday life, including such approaches as cognitive theory, reinforcement theory, symbolic interaction, and humanistic theories.

## **SY 315 Deviant Behavior (3)**

Prerequisite(s): SY 221.

Introduction to the social and cultural factors related to human deviance. Special attention is given to the study of various theories of deviant behavior.

## **SY 320 Criminology (3)**

Prerequisite(s): SY 221.

This course is an introduction to the study of criminology. Its focus is on the nature of crime, the nature and development of law, the criminal justice system, and theories of crime.

## **SY 322 Juvenile Delinquency (3)**

Prerequisite(s): SY 221.

Popular misconceptions; delinquency trends; police and juveniles; programs of prevention; detention centers; juvenile courts, probation; theories of causation; corrections.

## **SY 324 Social Stratification (3)**

Prerequisite(s): SY 221.

Causes, characteristics, and consequences of inequality are examined. Differences in wealth, power, and prestige are considered in the community, society, and between societies.

## **SY 325 Sociology of Organization (3)**

Prerequisite(s): SY 221.

Simple and complex organizations are examined regarding their structures, functions, conflicts, and changes. Major theories are presented along with empirical studies of organizational behavior.

## **SY 326 Sociology of Education (3)**

Prerequisite(s): SY 221.

The school is examined as a major social institution and socializing agent in American society. The formal and informal structure of the school, its influence upon the responses to the wider community institutions, and primary functions of the school system are examined. Teacher-student relationships, the classroom as a social system, and equality of educational opportunity will be considered.

## **SY 340 Perspectives on Death and Dying (3)**

Prerequisite(s): SY 221.

An examination of the attitudes of differing cultures and subcultures toward death, which encourages students to supplement relevant readings by discussing personal attitudes toward death and dying. Current research in this topic will be explored by lectures, films, and readings. By better understanding death and dying, students can explore in this course opportunities for growth and for improving the quality of life. SY 340 is cross-listed with SW 371, but only one course can be counted for credit.

## **SY 350 Sociology of Disasters (3)**

Prerequisite(s): SY 221 or SY 222.

The course applies a sociological perspective to trace the study of disasters, emphasizing how social inequalities constitute varying degrees of risk and destruction throughout pre, impact and post disaster stages. This course examines social structure and social process as they interact with disaster conditions.

**SY 356 Collective Behavior and Social Movements (3)**

Prerequisite(s): SY 221 or SY 222.

Crowds, mass behavior, fashions and fads, reform movements and revolutions are examined. Current examples are used to illustrate models and theories.

**SY 358 Sociology of Sports (3)**

Prerequisite(s): SY 221 or SY 222.

This course explores the relationship between sports and social, cultural, political, and economic forces. It examines sports on multiple levels including the micro individual/interactional, organizational, and institutional.

**SY 360 Ethnic and Minority Group Relations (3)**

Prerequisite(s): SY 221.

This course focuses on relations between majorities and minorities, the conditions of minority life, and the structural, cultural, and interpersonal barriers that affect minorities.

**SY 362 Global Immigration Patterns and Trends (3)**

Prerequisite(s): SY 221 or SY 222.

This course examines the structural and individual immigration patterns and trends between country of origins and destination countries. The course examines how economic, political, and social forces lead to push and pull factors in both voluntary and forced migration routes. Course topics include illegal immigration, brain drain, refugees/asylum seekers, transnational migrants, etc.

**SY 364 Medicine and Society (3)**

Prerequisite(s): SY 221 or permission of instructor.

This course is designed to provide a brief introduction to the major themes of and current trends concerning the social causes and consequences of health and illness. Topics of interest will be to explore the social facets of health and disease; the social functions of health organizations; and the social behaviors of health personnel and consumers.

**SY 365 Drugs and Society (3)**

Prerequisite(s): SY 221.

This course presents a sociological framework for studying the ways in which societies both encourage and restrict the use of psychoactive drugs. The course will investigate the ways we think about alcohol, tobacco, prescription, and illegal drugs.

**SY 366 Sociology of Religion (3)**

Prerequisite(s): SY 221.

The study of religion in its social and cultural contexts. Comparatively examines how religious beliefs, rituals, and practices exist in close relation to other aspects of society and culture, giving to human existence coherence and purpose.

**SY 367 Sociology of Sexualities (3)**

Prerequisite(s): SY 221 or SY 222.

A study of how sexuality is perceived, defined, and experienced in the context of society. Topics include social norms, attitudes and beliefs about sexuality, public and private policies, as well as practices surrounding sexuality, and how sexuality is related to social institutions.

**SY 368 Theories of Gender (3)**

Prerequisite(s): SY 221 or SY 222.

Theories of Gender will examine various theories of gender; how gender shapes interactions in everyday life; and how gender works in various social institutions (education, work, family, politics, media, etc.) and challenges to gendered systems.

**SY 370 Aging and Human Development (3)**

An examination of aging in the United States. Primarily a sociological perspective but deals with the psychological and biological aspects of aging, as well as contemporary demographic, economic, and political trends. SY 370 is cross-listed with SW 370, but only one course can be counted for credit.

**SY 399 Study Tour (3)**

Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.

**SY 427 Classical Social Theory (3)**

Prerequisite(s): SY 221 or SY 222 plus 12 hours of sociology courses or permission of instructor.

An examination of the major trends in social thought up to WWII.

**SY 428 Contemporary Social Theory (3)**

Prerequisite(s): SY 221 or SY 222 plus 12 hours of sociology courses or permission of instructor.

An examination of the major trends in social thought after WWII.

**SY 441 Independent Study (3)**

Prerequisite(s): Students seeking admission must have advanced standing and secure approval of instructor and head of department.

An opportunity for the student with advanced standing to explore areas of special interest.

**SY 442 Independent Study (3)**

Prerequisite(s): Students seeking admission must have advanced standing and secure approval of instructor and head of department.

An opportunity for the student with advanced standing to explore areas of special interest.

**SY 443 Independent Study (3)**

Prerequisite(s): Students seeking admission must have advanced standing and secure approval of instructor and head of department.

An opportunity for the student with advanced standing to explore areas of special interest.

**SY 452 Aging Practicum (3)**

Prerequisite(s): SY 370.

Field observation and experiences in agencies or organizations engaged in planning or administering programs for older people or providing direct services to older people. Seminar analysis of these experiences.

**SY 460 Sociology Internship (3)**

Prerequisite(s): Minimum cumulative GPA of 3.0; and a minimum completion of 12 hours of sociology course work at Jacksonville State University.

Instructor approval required. This course provides students the opportunity to gain work/career experience in service/learning or business/corporate settings.

**SY 480 Advanced Seminar in Sociology (3)**

Prerequisite(s): SY 221, advanced standing and approval of instructor.

An examination of current issues in sociology. The content of the course will vary each semester.

**SY 481 Advanced Seminar in Sociology (3)**

Prerequisite(s): SY 221, advanced standing and approval of instructor.

An examination of current issues in sociology. The content of the course will vary each semester.



**SY 482 Advanced Seminar in Sociology (3)**

Prerequisite(s): SY 221, advanced standing and approval of instructor.  
An examination of current issues in sociology. The content of the course will vary each semester.

**SY 495 Advanced Seminar in Aging (3)**

Prerequisite(s): SY 370, advanced standing and approval of instructor.  
An examination of current issues in aging.

**SY 499 Senior Sociology Seminar (3)**

Prerequisite(s): SY 301, 304 and 427; or approval of instructor.  
A summary and reintegration of fundamental concepts in sociology.  
Career paths are also discussed. Offered Spring only.

## Spanish (SH)

**SH 101 Beginner's Spanish I (3)**

Beginning Spanish grammar, with emphasis on reading, writing, speaking, and understanding the language. Use of the language laboratory required.

**SH 102 Beginner's Spanish II (3)**

Prerequisite(s): SH 101 or approval of instructor.  
Continuation of Beginner's Spanish I.

**SH 201 Intermediate Spanish I (3)**

Prerequisite(s): SH 102 or approval of instructor.  
A review of Spanish grammar, conversation, and discussion based on short literary selections. Writing short compositions, dialogs, etc.  
Laboratory required.

**SH 202 Intermediate Spanish II (3)**

Prerequisite(s): SH 201 or approval of instructor.  
Continuation of Intermediate Spanish I. Successful completion of 202 is prerequisite for all courses numbered 300 or higher, except 321, 322, and 406.

**SH 299 Study Abroad (3)**

Prerequisite(s): Permission of academic advisor and pre-approval by department head prior to registration.  
Individual study abroad through a JSU-sponsored program as administered by International Programs; pre-approval within specific disciplines required. May be taken for credit up to 15 semester hours.  
Grades: Pass/Fail.

**SH 303 Survey of Literature I (3)**

Prerequisite(s): SH 202.  
Representative Spanish writers in the major periods of their nation's cultural development. From the Middle Ages to the Golden Age.

**SH 304 Survey of Literature II (3)**

Prerequisite(s): SH 202.  
Representative Spanish writers in the major periods of their nation's cultural development. From the 18th Century to the present.

**SH 310 Advanced Grammar and Composition (3)**

Prerequisite(s): SH 202.  
A thorough study of syntax, structure, vocabulary, and structures that the advanced student should know. Writing expository, descriptive, argumentative, and critical compositions.

**SH 313 Basic Business Communications (3)**

Practice in written and spoken communications in all types of business situations for those specializing in areas where the language is Spanish.

**SH 320 Spanish Conversation (3)**

Prerequisite(s): SH 202.  
Intensive practice in spoken Spanish using a variety of cultural activities (films, magazine articles, TV programs, etc.)

**SH 321 Spanish Civilization (3)**

No prerequisites; offered in English. Evolution of the culture, history, and geography of Spain.

**SH 322 Latin American Civilization (3)**

No prerequisites; offered in English. Evolution of the culture, history, and geography of Latin America.

**SH 405 Golden Age Drama (3)**

Prerequisite(s): SH 202.  
Reading and analysis of representative plays by Lope de Vega, Tirso de Molina, Alarcón, and Calderón de la Barca.

**SH 406 Don Quixote (3)**

No prerequisite; offered in English. Reading and analysis of the works of Cervantes, with special attention to Don Quixote. Research paper is required.

**SH 408 The Generation of 1898 (3)**

Prerequisite(s): SH 202.  
Reading of and reports on the major works of Azorín, Unamuno, Valle-Inclán, Antonio Machado, and Pío Baroja.

**SH 409 Contemporary Spanish Literature (3)**

Prerequisite(s): SH 202.  
Representative works of major writers from the Spanish Civil War to the present

**SH 410 Latin American Literature (3)**

Prerequisite(s): SH 202.  
Representative Latin American writers in the major periods of their nations' cultural development from the Colonial period to the present.

**SH 411 Nineteenth-Century Spanish Poetry (3)**

Prerequisite(s): SH 202.  
Representative poets from the Neo-Classical period, through Romanticism, Realism, Modernism, to the present.

**SH 412 Nineteenth-Century Spanish Drama (3)**

Prerequisite(s): SH 202.  
Reading and analysis outstanding plays with emphasis on those of Duque de Rivas, Zorrilla, Echegaray, García Gutiérrez, Hartzenbusch, and Tamayo y Baus.

**SH 413 Nineteenth-Century Spanish Novel (3)**

Prerequisite(s): SH 202.  
Major developments and trends in the novel of the 19th century, as reflected in the works of Galdós, Pardo Bazán, Palacio Valdés, Blasco Ibañez, Valera, and Pereda.

**SH 417 Contemporary Latin American and Spanish Film Criticism (3)**

Prerequisite(s): SH 321 or SH 322 or permission of instructor.  
An examination of Latin American and Spanish films from 1960 to the present and the context in which they were created. Students will learn how to critically analyze film and implement course readings that will draw upon film criticism and theory.

**SH 419 Latin American Short Story (3)**

Prerequisite(s): SH 322 or permission of instructor.  
An exploration of the Latin American short story, its structure, and its meaning. The course will use the short story as a vehicle to introduce some of Latin America's best-known writers.

**SH 420 Latinx Literature in the United States (3)**

An examination of the literature of Latinx writers in the U.S. with emphasis on the distinctions and similarities that have shaped the experiences and the cultural imagination among different Latinx communities.

## Special Education (SPE)

### **SPE 300 Survey of Exceptional Children and Youth (3)**

An introductory course to the field of exceptional children and youth.

### **SPE 330 Assessment of Teaching and Learning (3)**

Corequisite(s): SPE 334, SPE 338 and SPE 341.

Introduction to assessment, techniques appropriate in evaluating teaching/learning of exceptional students, legal considerations and development of Individualized Educational Programs. Requires Teacher Education Program eligibility.

### **SPE 331 Special Education Administrative Processes (3)**

Corequisite(s): SPE 340, SPE 348, and RDG 343.

Administrative processes for special education including Mastering the Maze, planning for classroom, Individualized Education Planning, Lesson Planning, SETS training, Introduction of Behavior Intervention Plans and Transition Plans. Requires Teacher Education Program eligibility.

### **SPE 332 Medical, Legal, & Ethical Issues (3)**

This course will cover federal laws, rules, and regulations governing and/or impacting on programs for exceptional students, litigation cases that have impact on individual with exceptionalities, interdisciplinary collaboration with health care professionals and other agencies, the role other disciplines and agencies play in meeting the needs of children with exceptionalities, the needs and management techniques for students who have communicable diseases and medical diagnosis or who are considered medically fragile and the adverse effect of these conditions on learning and family functioning, medications, administration of medications, and school healthcare procedures, and professionalism and ethics in teaching individuals with exceptionalities. May be taken prior to achieving Teacher Education Program eligibility.

### **SPE 334 Educational and Assistive Technologies (3)**

Corequisite(s): SPE 330, SPE 338, and SPE 341.

This course is designed to examine the many accessibility features within a computer as well as hand held devices. This course will also cover how to utilize accessibility features and applications to meet individual student needs within the school setting. Requires Teacher Education Program eligibility.

### **SPE 335 Diversity and Culturally Responsive Teaching (3)**

This course will center on the necessity of culturally responsive teaching beginning with the preparation of the prospective teacher. Students will determine the importance of including students' cultural references in all aspects of teaching while continually examining their own. There will be an emphasis on cultural and linguistic diversity and exceptionally. May be taken prior to Teacher Education Program eligibility.

### **SPE 336 Clinical Observation of Special Education K-12 (1)**

Prerequisite(s): SPE 300.

Corequisite(s): SPE 334, SPE 338, SPE 339, and SPE 341.

Clinical Observation. In school observation of special education classrooms and inclusive general education classrooms for students with mild and severe disabilities. Requires Teacher Education Program eligibility.

### **SPE 337 Collaboration Process for the Elementary Inclusive Classroom (3)**

Prerequisite(s): SPE 300.

Corequisite(s): RDG 343, SPE 330, SPE 331, and SPE 340.

Strategies for meeting educational needs of students with mild disabilities in elementary inclusive general education classrooms or special education classrooms. Includes collaboration, co-teaching, and response to intervention procedures. Requires Teacher Education Program eligibility.

### **SPE 338 Collaborative Math (3)**

Corequisite(s): SPE 330, SPE 334, and SPE 341.

This course focuses on strategies for math instruction for students with disabilities in K-12 general education and special education classrooms. Requires Teacher Education Program eligibility.

### **SPE 339 Collaborative Processes in the Secondary Classroom (3)**

Prerequisite(s): SPE 300.

Corequisite(s): SPE 334, SPE 336, SPE 338, SPE 341.

This course is designed to provide students with an understanding of collaborative and co-teaching models and prepare them to implement these models in the inclusive setting. The course also covers student engagement, overview of course content standards and how to plan neurodiversity within the inclusive secondary classroom. Requires Teacher Education Program eligibility.

### **SPE 340 Practicum in Mild Disabilities K-6 (3)**

Corequisite(s): SPE 331, SPE 348, and RDG 343.

Directed experiences in observation and participation in special education classrooms and general education classrooms (K-6) with students with mild disabilities. Requires Teacher Education Program eligibility.

### **SPE 341 Practicum in Mild Disabilities 6-12 (3)**

Prerequisite(s): SPE 340.

Corequisite(s): SPE 330, SPE 334, and SPE 338.

Directed experiences in observation and participation in special education classrooms and inclusive general education classrooms (6-12) with students with mild disabilities. Requires Teacher Education Program eligibility.

### **SPE 348 Collaboration in Elementary and Secondary (3)**

Prerequisite(s): SPE 300.

Corequisite(s): RDG 343, SPE 331 and SPE 340.

Strategies for meeting the educational needs of students with mild disabilities in elementary and secondary inclusive general education classrooms or special education classrooms. Includes collaboration, co-teaching, and response to intervention procedures. Requires Teacher Education Program eligibility.

### **SPE 349 Collaboration in the Secondary Classroom (3)**

This course is designed to provide students with an understanding of collaborative and co-teaching models and prepare them to implement these models in the inclusive setting. The course also covers student engagement, overview of course content standards and how to plan for neurodiversity within the inclusive secondary classroom.

### **SPE 387 Sign Language and Deafness I (3)**

Introduces major sign systems used by the deaf. Students acquire basic sign vocabulary of 750 words and idiomatic expressions.

### **SPE 388 Sign Language and Deafness II (3)**

Prerequisite(s): SPE 387 or approval of instructor.

Continues acquisition of sign vocabulary and focuses on development of ASL and Pidgin skills.

### **SPE 423 Methods for Severe Disabilities (3)**

Corequisite(s): SPE 426, SPE 427, and SPE 442.

This course will include accommodations and modifications to the instructional program to assist students with severe disabilities to succeed. Topics covered will include assistive technology, self-contained and resource room models, extended standards, task analysis, physical management, lifting, wheel chair maintenance, ambulation, positioning, and communication skill development, including AAC. Requires Teacher Education Program eligibility.

**SPE 425 Methods for Autism Spectrum Disorder (3)**

Prerequisite(s): SPE 300.

This is a weekly seminar that focuses on Autism Spectrum Disorder. It consists of a series of seminars on major topics related to ASD such as: historical timeline, diagnosis and assessment, advocacy, current research and statistics, behavioral interventions, classroom supports and services, transition and it covers the lifespan. Requires Teacher Education Program eligibility.

**SPE 426 Augmentative and Alternative Communication (3)**

Co-Requisites: SPE 423, SPE 427, and SPE 442. Instruction of classroom strategies for teaching communication skills to students with low-incidence disabilities. Included will be how to assess existing communication abilities of students with severe disabilities, and instruction on how to integrate use of aided and unaided augmentative and alternative communication (AAC) to include finger spelling, sign language, gestures, body language (total communication), augmentative and alternative communication systems and voice output communication aids (VOCAS), both low-tech and high-tech. Requires Teacher Education Program eligibility.

**SPE 427 Behavior and Classroom Management (3)**

Corequisite(s): SPE 423, SPE 426, and SPE 442.

Examines inclusive teaching, planning for neurodiversity in the classroom, behavior management, applied behavioral analysis, functional assessment, positive behavioral support and behavior intervention. Requires Teacher Education Program eligibility.

**SPE 440 Practicum in Severe Disabilities K-6 (2)**

Prerequisite(s): SPE 300 and Requires Teacher Education Program eligibility.

Corequisite(s): SPE 423, SPE 426, SPE 427 and SPE 441.

Practicum in Low Incidence/Severe Disabilities. Directed experiences in observation and participation in special education classrooms for students with severe disabilities. Seminars will be held in conjunction with this course.

**SPE 441 Practicum in Severe Disabilities 6-12 (2)**

Corequisite(s): SPE 423, SPE 426, SPE 427, and SPE 440.

Practicum in Low Incidence/Severe Disabilities. Directed experiences in observation and participation in special education classrooms for students with severe disabilities in secondary school settings. Seminars will be held in conjunction with this course. Requires Teacher Education Program eligibility.

**SPE 442 Practicum in Severe Disabilities K-12 (3)**

Corequisite(s): SPE 423, SPE 426, SPE 427.

Directed experiences with K-12 students in self-contained special education classrooms designed for severe disabilities. Requires Teacher Education Program eligibility.

## Sport Mgmt & Rec Studies (SMR)

**SMR 221 Foundations of Sport Management and Recreation (3)**

The basic concepts of the sport management and recreation fields. Theories, concepts, philosophies, and common industry practices in sport management and recreation.

**SMR 231 History of Sport (3)**

This course will provide students with an understanding of the historical context on the development of sport. Students will learn how sport has shaped society, and how society has shaped sport over the course of time.

**SMR 271 Recreational Games and Group Development Activities (2)**

An introduction to games for all populations including recreational, educational, developmental, and therapeutic settings. Emphasis is on cooperative games and group development activities.

**SMR 275 Outdoor Pursuits Expedition Field Seminar (3)**

Intensive technical skills training in selected land and water outdoor pursuits including backpacking and canoe/kayak touring leading to certifications. Student pays all expenses.

**SMR 301 Youth Sports Program (3)**

Methods and principles of organizing and administering youth sports programs. Activities include directed practical experiences.

**SMR 302 Field Experience in Recreation and Youth Leadership (3)**

A minimum of 100 clock hours required. This course will provide practical field experiences in one of the following areas of concentration: community recreation and youth sports, camping and outdoor education, and youth development.

**SMR 310 Camping and Outdoor Education (3)**

This course highlights the out-of-doors and its potential for enhancing the Recreational Leadership program. Special emphasis is placed on activities and education opportunities in the out-of-doors. Student pays all expenses.

**SMR 311 Recreation for the Aged (3)**

The course provides the student knowledge of recreational activities suitable for the older adult. The class includes directed practical activities.

**SMR 312 Organization and Administration of Camp Programming (3)**

Methods of organization and administration of camp programs including knowledge of standards, utilization of facilities, and personnel roles.

**SMR 321 Sports Officiating I (3)**

Basic principles, concepts, mechanics, and rules applications for officiating football and/or volleyball athletic contests according to the policies of the National Federation of High School Associations.

**SMR 322 Sports Officiating II (3)**

Basic principles, concepts, mechanics, and rules applications for officiating basketball and/or baseball/softball athletic contests according to the policies of the National Federation of High School Associations.

**SMR 331 Topics in International Sport Management and Recreation (3)**

The purpose of this course is to introduce students to the fundamental concepts associated with effective and successful international management strategies within the Sport Management and Recreational Leadership field.

**SMR 335 Human Resource Management in Sport and Recreation (3)**

The purpose of this course is to introduce to students the fundamental concepts, principles, and application associated with managing employees in relation to the sport management and recreational leadership field.

**SMR 340 Legal and Ethical Aspects of Sport Management and Recreation (3)**

The purpose of this course is to introduce students to the fundamental concepts, principles, and applications associated with the legal system in relation to the sport and recreation industries. This course was developed with the purpose of providing students with a general overview of the legal issues that professionals in the sport and recreational fields encounter.

**SMR 355 Principles of Finance in Sport Management and Recreation (3)**

The purpose of this course is to introduce students to the fundamental concepts, principles, and applications associated with finance in recreation and sport management. It is a general sport finance course covering a broad variety of topics ranging from basic financial concepts to budget formats. This course was developed with the purpose of providing students with a general overview of the recreation and sport financial issue they are likely to encounter in their professional careers.

**SMR 360 Challenge Course Programs and Management (3)**

Provides theoretical and experiential understanding of program and management practice associated with the use of Low Challenge Courses in education, recreation, and therapeutic settings. Technical skill development, facilitation strategies, safety procedures, equipment management, and program design are addressed.

**SMR 410 Business of Sport (3)**

Prerequisite(s): SMR 410 and EC 221 or EC 222.

A macro-economical view of the professional and intercollegiate sport industry. Topics will include: revenue sharing, collective bargaining, labor issues, antitrust issues, sport franchise valuation, Olympics, and athlete compensation mechanisms.

**SMR 420 Youth Development Leadership (3)**

A comprehensive examination of theory and practice in contemporary youth development leadership and youth serving agencies.

**SMR 425 Contemporary Issues in Sport Management and Recreation (3)**

Prerequisite(s): Junior standing.

The purpose of this course is to introduce students to the fundamental concepts associated with current issues and trends within the Sport Management and Recreational Leadership field.

**SMR 440 Communication in Sport (3)**

The purpose of this course is to introduce students to the fundamental concepts and common practices associated with communicating in the sport industry that include: history and development; role of mass media, digital, mobile, and social media; integrated communication; crisis communication; sociological aspects of communication; legal issues in sport communication.

**SMR 450 Sport and Recreation Facility Management (3)**

This course is designed to introduce students to the principles, application, and topics of sport and recreational facility management. After completing this course students will have gained valuable insight into theory and practice of sport and recreation facility management for a diverse range of sport and recreation facilities.

**SMR 466 Public and Media Relations (3)**

Prerequisite(s): Junior standing.

The purpose of this course is to introduce students to the fundamental concepts associated with public and media relations within the Sport Management and Recreational Leadership field.

**SMR 476 Sport Management and Recreation Marketing (3)**

Prerequisite(s): Junior Standing.

This course is designed to introduce students to the principles and application of marketing theory to the sport and recreation industries. This is a general course covering a wide range of sport marketing topics. These topics include promotion and media relations in sport and recreation, licensing and sponsorship of sport products, and the marketing mix strategies for sport and recreation organizations. After completing this course students will have gained valuable insight into the theory and practice of sport marketing strategies for a diverse range of sport and recreation organizations.

**SMR 486 Sport Management and Recreation Promotion and Event Planning (3)**

Prerequisite(s): Junior standing.

The purpose of this course is to introduce students to the fundamental concepts associated with promotion and event management within the Sport Management and Recreational Leadership field.

**SMR 490 Sport Management and Recreation Administration (3)**

Prerequisite(s): Senior standing.

The purpose of this course is to introduce students to the fundamental concepts, practices, principles, and application associated with managing recreation and sport organizations. It is a general sport management and recreation course covering a broad variety of topics ranging from the functions of management to organizational effectiveness.

**SMR 492 Internship in Sport Management and Recreation (6)**

Practical field experiences in selected programs.

## Statistics (ST)

**ST 260 Statistics/Quantitative Methods I (3)**

Prerequisite(s): MS 112.

Quantitative methods and statistics as applied to business and economics including decision/optimization methods, descriptive statistics, probability & statistical inference.

**ST 261 Statistics/Quantitative Methods II (3)**

Prerequisite(s): ST 260.

Sampling and statistical inference; hypothesis testing; regression and correlation analysis; and analysis of variance.

## Student Affairs (STU)

**STU 101 First Year Experience (0)**

All students with less than 24 earned hours must take STU 101: First-Year Experience Course. Students will achieve course objectives related to their overall adjustment to being a successful student at JSU. Topics discussed include how to: declare a major and develop a relationship with an academic advisor, understand components of MyJSU, know and understand JSU policies, participate in the summer reading program, learn and become active in JSU activities for students, understand and develop appropriate behaviors for a college student, become familiar with student services, and acquire knowledge and skills necessary to prosper as a JSU student. This course is mandatory for all students with fewer than 24 accrued hours. Beginning with the third attempt, and until the course has been successfully completed, a late registration fee of \$100 per semester will be charged. Grade: Pass/No Credit.

**STU 120 Career Planning Skills (1)**

Individualized instruction in self-analysis of abilities, achievements, and interests to develop career goals and plans. Various career opportunities will also be explored.

**STU 210 Resident Assistant Seminar (1)**

Seminar for resident hall assistant providing experience in developing community, working with college students, and understanding the purpose and scope of resident halls.

**STU 211 Leadership House for Women Seminar (1)**

This course will combine academics with outside-of-the-classroom learning. Students will live together in the Leadership House for Women and evaluate leadership and personal development. The course will incorporate readings, in-class and online discussions, service learning, group work, simulations, critical reflections, and lectures to expose students to a wide range of leadership concepts and models. Students will examine leadership on three levels: self-leadership, collaborative leadership, and leadership for change within the community. Over the course of the semester, each student will develop their philosophy of leadership and engage in the practice of socially responsible leadership.

**STU 212 Leadership House for Women Seminar II (1)**

This course will combine academics with outside-the-classroom learning. Students will live together in the Leadership House for Women and evaluate leadership and personal development. This course will incorporate readings, in-class and online discussions, service learning, group work, simulations, critical reflections, and lectures to expose students to a wide range of leadership concepts and models. Students will examine leadership on three levels: self-leadership, collaborative leadership, and community leadership. Over the course of the semester, each student will develop their philosophy of leadership and engage in the practice of socially responsible leadership.

**STU 304 Paraprofessional Training (3)**

This course includes the choice of one of two training modules. One option involves training for students as peer educators in tutoring or assisting other students with life adjustment issues such as drug and alcohol abuse and sexual harassment. The second option involves training for students serving as orientation peer counselors in knowledge of self, campus, orientation consumers, listening skills, public speaking, and decision making.

**STU 306 Advanced Paraprofessional Training (3)**

This course includes the option of one of two training modules. The first option involves advanced training for students serving as peer educators in tutoring or assisting other students with life adjustment issues such as drug and alcohol abuse and sexual harassment. The second option involves advanced training for students serving orientation leaders. Gives students opportunity to enhance leadership, organizational, and human relations skills through supervisory responsibilities.

## University Honors (UH)

**UH 101 Honors Lecture (1)**

This course is an open forum for the discussion of ideas and submission of reflective papers and/or service learning projects. The topic of the course will vary each semester (service learning, education reform, poverty, tax reform, etc.). May be repeated for a total of two credit hours. Pass/Fail.

**UH 201 Forum (1)**

Students enrolled in this course will be required to attend a certain number of campus events (pre-approved by Honors) and discuss and submit reflective papers for each event. May be repeated for a total of two credit hours. Pass/Fail.

**UH 202 Book Club (1)**

Students enrolled in this course will perform assigned readings and actively participate in class discussions. May be repeated for a total of two credit hours. Pass/Fail.

**UH 399 Honors Study/Travel (1-3)**

(1 to 3). Topics, excursions, and requirements determined by the Honors Program. May be duplicated for credit. Subject to minimum and maximum numbers. Advance deposit required.

## DISCLAIMER

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