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JACKSONVILLE
STATE
UNIVERSITY



JACKSONVILLE STATE UNIVERSITY

2009-2010
UNDERGRADUATE
CATALOGUE

Jacksonville State University

Jacksonville, Alabama

Jacksonville State University is accredited
by the Commission on Colleges of the
Southern Association of Colleges and Schools
1866 Southern Lane
Decatur, GA 30033-4097
Telephone number
404-679-4500
to award bachelor's, master's,
and educational specialist's degrees.

CATALOGUE 2009-2010

One Hundred Twenty-Seventh to Twenty-Eighth Years

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VOLUME XCVIII

MAY 2009

NUMBER I

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

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

Council on Social Work Education
1725 Duke Street, Suite 500
Alexandria, VA 22314-3457
Telephone: (703) 683-8080

The Association to Advance Collegiate Schools of Business
600 Emerson Road, Suite 300
St. Louis, MO 63141-6762 USA
Telephone: (314) 872-8481

National Council for Accreditation of Teacher Education
2010 Massachusetts Ave. NW, Suite 500
Washington, DC 20036
Telephone: (202) 466-7496

Commission on Accreditation for Dietetics Education American Dietetic Association
216 West Jackson Boulevard
Chicago, IL 60606-6995
Telephone: (312) 899-5400

Association of Technology, Management and Applied Engineering
3300 Washtenaw Ave., Suite 220
Ann Arbor, MI 48104
Telephone: (734) 677-0720

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

Commission on Collegiate Nursing Education
One Dupont Circle, NW, Suite 530
Washington, DC 20036-1120
Telephone: (202) 887-6791

Computing Accreditation Commission of ABET, Inc.
111 Market Place, Suite 1050
Baltimore, MD 21202
Telephone: (410) 347-7700

Accrediting Council on Education in Journalism and Mass Communication
Stauffer-Flint Hall
1435 Jayhawk Blvd.
Lawrence, KS 66045-7575
Telephone: (785) 864-3973

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The institution reserves the right to correct, alter, amend, or modify any item contained in the catalogue. The University reserves the right to make changes as required in course offerings, curricula, academic policies and other rules and regulations affecting students, to be effective whenever determined by the University. The institution reserves the right to withdraw any course and close or divide sections whenever it is deemed appropriate. These changes will govern current and formerly enrolled students. Enrollment of all students is subject to these conditions. Any such changes will be shown in the schedule book of classes, a correction sheet to the schedule book, or will be available in the Registrar's Office and/or the offices of the College Dean(s).

BOARD OF TRUSTEES

THE HONORABLE BOB RILEY
Governor of Alabama, President, *Ex officio*

Name	District
JAMIE (RED) ETHEREDGE	First
G.M. (MACK) ROBERTS	Second
JAMES L. COXWELL, SR	Third
WILLIAM RONALD (RONNIE) SMITH	Third
JIM FOLSOM, JR.	Fourth
RANDALL EARLIE JONES	Fifth
JIM R. BENNETT	Sixth
THOMAS W. DEDRICK, SR	Seventh
RANDY OWEN	At Large
DR. JOSEPH B. MORTON, State Superintendent of Education, <i>Ex officio</i>	

HISTORY OF JACKSONVILLE STATE UNIVERSITY

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 again changed, 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 eleven 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 Daugeette (1899-1942), Houston Cole (1942-1971), Ernest Stone (1971-1981), Theron E. Montgomery (1981-1986), Harold J. McGee (1986-1999), and William A. Meehan (1999-present).

Jacksonville State University has developed into a modern regional university serving Northeast Alabama on a 459-acre campus with 58 buildings. In addition, the University operates off-campus centers at JSU-Gadsden and JSU-McClellan. Through its programs of teaching, research, and service, Jacksonville State University has served the region and state for more than 120 years.

VISION STATEMENT

Jacksonville State University will be the regional comprehensive institution of choice for students who want a strong, high quality education. Students will be challenged academically by dedicated and accessible faculty and have access to the latest technology to develop skills for success in an expanding global community. Curricula offerings will utilize developing methods of instruction to eliminate barriers of time and distance and allow the JSU experience to transcend regional boundaries. Highly responsive services that demonstrate the institution's commitment to continuous improvement will ensure JSU's reputation as the friendliest campus in the South.

MISSION STATEMENT AND PURPOSES

MISSION STATEMENT

Jacksonville State University is a public, comprehensive teaching institution that provides educational, cultural and social experiences for a diverse undergraduate and graduate student population. As a student-centered university, Jacksonville State University strives to balance academic challenges with a range of support services for students' academic, career, and personal goals. As an academic institution, Jacksonville State University seeks to produce broadly educated graduates with skills for employment, citizenship, and life-long learning. As a comprehensive university, Jacksonville State University supports scholarly and service activities consistent with its academic and professional strengths.

UNIVERSITY GOALS

- Educate students to be productive, responsible citizens and effective leaders.
- Advance student learning through academic excellence.
- Increase student and faculty participation in research and service activities.
- Create a diverse learning community that facilitates academic and professional excellence.
- Effectively use technology to support learning, research, information management and evidence-based decision-making..
- Continuously improve administrative processes and services.
- Enhance revenue growth and financial planning to ensure adequate fiscal resources for the University.

UNIVERSITY CORE VALUES

- The social, intellectual, cultural, and physical development of students, faculty, and staff.
- Being the friendliest campus in the South.
- Providing an affordable quality education.
- Maintaining a diversity of faculty, staff, and student body.
- The support of intellectual and academic freedom, dialogue, and the free exchange of ideas.
- Quality teaching to prepare students for employment, citizenship and life long learning
- Student accessibility of faculty and staff.
- Maintaining a beautiful campus that preserves the historical architecture of the University.
- Collegial decision-Making
- Excellence in all aspects of university life.
- Providing a continuous-improvement environment.
- Providing access to state-of-the-art technology.

GENERAL INFORMATION

INTRODUCTION

Jacksonville State University is a multipurpose institution, located in northeast Alabama. It offers the B.A., B.F.A., B.S., B.S.E, B.S.W., B.S.N. degrees and, in addition, 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 M.A., M.S., M.S.E., M.B.A., M.P.A., M.S.N., and Ed.S. degrees. Detailed information concerning these degrees may be found in the *Graduate Bulletin* published separately.

Summer sessions are also provided. During these sessions, credit may be earned toward graduation or may be used in securing, extending or renewing teachers' certificates.

The Department of the Army operates a Senior Program of General Military Science, Reserve Officers' Training Corps at Jacksonville with either a two- or four-year program of instruction. The ROTC program at Jacksonville State University is currently ranked by the U.S. Army as sixth of all ROTC programs in Alabama, Mississippi, Louisiana and the Florida panhandle.

One of the most valuable agencies in the academic life of any university is the library. As such, the library at Jacksonville receives sufficient funds for the purchase of books and material to keep it adequate for the needs of both undergraduate and graduate students.

The campus itself is located on the northern edge of the city and has had considerable landscaping, which has greatly accentuated its natural beauty.

Students may be admitted to advanced standing by presenting credits from an accredited college or university. Such credits will be accepted as fair equivalents of the courses offered at this institution.

If assistance is needed in personal planning, the staff of Counseling Services are available for individual consultation.

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 the 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, and financial support data. Detailed information on these items is located on the Jacksonville State University website (www.jsu.edu) or at other locations described on the website.

ADMISSION POLICIES

Students are admitted prior to the beginning of each semester. Applications for admission along with necessary non-refundable application fee of \$30.00 should be submitted to the Office of Admissions, Jacksonville State University, 700 Pelham Road North, Jacksonville, AL 36265-1602. Students are encouraged to apply for admission electronically at www.jsu.edu and pay the \$30 fee by credit card on the JSU home page. **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 his/her high school transcript, ACT/SAT scores, or college transcripts are submitted. These documents must be mailed 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.

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 there under, to the end that no person in the United States shall, on the ground of age, religion, race, color, sex, handicap, veteran's status, or national origin, be excluded from participation in, be denied the benefits of, or be other-wise 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, handicap, 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 there under may, by himself/herself or a representative, file with the United States Commissioner of Education or with this institution, or both, a written complaint.

ADMISSION TO THE UNIVERSITY

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 Rd., North, Jacksonville, Alabama, 36265-1602. You can email info@jsu.edu for more information.

All prospective students are required to submit the following: (1) a completed application form, (2) a non-refundable application fee of \$30.00, (3) a completed health information form, (4) appropriate academic credentials (See following section on Application Procedures), and (5) completed new student survey. Students are encouraged to apply for admission electronically at www.jsu.edu if possible.

APPEALS

In addition to the specific requirements set forth below, the Admissions Committee, acting under the requirements and policies of its governing board, shall consider the appeals of applicants who are not admissible to the University due to not meeting the minimum ACT/SAT score requirement or suspension from a prior college. The Admissions Committee meets in April, June, July, August, and December to review appeals. Applicants interested in the appeal process should have the required documents sent to the Office of Admissions as soon as the documents are available. All documents must be received one week prior to the committee meeting to allow sufficient processing time. The exact meeting dates and deadlines will be available by calling the Office of Admissions. The institution, in the name of its governing board, reserves the right to reject by action of its Admissions Committee 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 Office of Admissions and whose appeal is denied

by the Admissions Committee has the right to appeal to the president of the university whose decision is final.

APPLICATION PROCEDURES

I. Freshman Admissions

High School graduates are admitted on the basis of both an acceptable high school record and the score on the American College Test (ACT) or Scholastic Aptitude Test (SAT). 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 continuously in prescribed developmental studies courses and other assigned activities until all academic-skills deficiencies are eliminated. Students with severe academic-skills deficiencies who are likely to require more than two semesters to eliminate all deficiencies are not eligible for unconditional or conditional admission, but may apply for admission to a summer developmental studies program — ExSEL. All students admitted unconditionally or conditionally 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.

- A. An official high school transcript showing the date of graduation and type of diploma received. Students are required to graduate with an acceptable diploma.
 1. Students may request a transcript from their high school at any time to be mailed to JSU. However, a complete transcript showing type of diploma received and date of graduation must be sent immediately after graduation. This transcript must be mailed to JSU directly from the high school or placed in a sealed envelope from the high school and presented unopened to the Office of Admissions.
 2. Students applying for admission are advised to emphasize the following subjects in their high school programs: English, social studies, mathematics, foreign languages, and the natural sciences.
 3. Applicants who are not high school graduates may enter the freshman class 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 mailed 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. ACT or SAT scores.
 1. Applicants are required to produce official scores from either the ACT or SAT. These scores must be sent to JSU directly from the testing agency or must be on an official high school transcript. Scores on these tests are used as a basis for admission and placement in English and mathematics courses. Applicants presenting scores which indicate they can do acceptable work at Jacksonville State University may be admitted directly. Alternative methods to satisfy admission standards may be considered by the Admissions Committee.
 2. The freshmen who have applied 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 are exempt from the ACT or SAT requirement listed in B-1. First-time students in this category may choose to take the ACT for placement into appropriate levels of English and mathematics courses.

Students in this category who do not choose to take the ACT for placement in English and mathematics courses should contact the English and Math departments for a placement test.
- C. ExSEL: Academically under prepared students who are deemed capable of developing the knowledge, skills and habits necessary for success in college and who demonstrate the commitment to develop their potential may be admitted to

ExSEL (Experiencing Student Success in Education and Life). ExSEL is a summer program of six weeks providing intensive preparation in basic academic-skills and non-academic-skills (e.g., study skills, career orientation, and interpersonal skills) necessary for success in college. Students may be conditionally admitted to JSU upon successful completion of ExSel or upon obtaining the minimum required ACT score.

- D. Appeals: The Admissions Committee, acting under the requirements and policies of its governing board, shall consider the appeals of applicants who are not admissible to the University due to not meeting the minimum ACT/SAT score requirement. To appeal to the Admissions Committee, beginning freshmen should submit an application for admission, \$30 application fee, official final high school transcript showing date of graduation and type of diploma received, all ACT/SAT scores, a letter of appeal explaining any extenuating circumstances and why an exception to admission requirements should be granted, and a letter of recommendation on school stationery from a high school teacher who taught the student in an academic subject during the junior or senior year. The Admissions Committee meets in April, June, July, August, and December to review appeals. Applicants interested in the appeal process should have the required documents sent to the Office of Admissions as soon as the documents are available. All documents must be received one week prior to the committee meeting to allow sufficient processing time. The exact meeting dates and deadlines will be available by calling the Office of Admissions. A student who is denied admission by the Office of Admissions and whose appeal is denied by the Admissions Committee has the right to appeal to the president of the university whose decision is final.

Freshman Admissions Categories	Qualifications	Requirements
Unconditional Admission *	Minimal, or no, academic skill deficiencies. *ACT Composite 19 or above SAT Combined Critical Reading and Math 900 or above **Effective Fall 2010 required scores increase to ACT 20 and SAT 950	Must successfully remediate skill deficiencies within one year.
Conditional Admission *	Moderate academic skill deficiencies ACT Composite 16-18 SAT Combined Critical Reading and Math 750-890 **Effective Fall 2010 required scores increase to ACT 17-19 and SAT 830-940	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
ExSEL *	Severe academic skill deficiencies. ACT Composite 14-15 SAT Combined Critical Reading and Math 650-740 **Effective Fall 2010 required scores increase to ACT 14-16 and SAT 690-820	Only admitted to summer developmental studies program (ExSEL). May be conditionally admitted upon successful completion or upon obtaining the minimum required ACT score.

* 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.

II. TRANSFER STUDENT ADMISSIONS

- A. Transfer students are required to present one official transcript from each institution previously attended. These transcripts must be mailed to JSU directly from the institution or placed in a sealed envelope from the institution. If less than 24 semester hours are accepted, students must also fulfill all requirements listed under the Freshman Admissions section. If 24 semester hours or more are accepted, transfer students who do not have credit for EH 101 or MS 112 may take the ACT/SAT for placement in the appropriate English or Math courses. Those who choose not to take the ACT/SAT for placement purposes may contact the English and/or Math Departments for a placement test.

The University reserves the right to accept or deny course work presented for transfer. 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 fair equivalents at JSU may or may not be accepted as an elective. The transfer decision will be made on a course-by-course basis by the Registrar's Office during the credit evaluation process. Course work presented for transfer from institutions not accredited by a regional association may be considered for transfer. For additional information, students may contact the Registrar's Office.

All grades attempted from other institutions will be used in computing gradepoint-average at JSU. Students transferring course work are advised the grade-point-average requirements will be based on overall GPA requirements as well as resident requirements when considering admission to or retention in certain programs, major and minor requirements, and graduation requirements. Grades of "D" will be accepted except in EH 101, EH 102 and MS 100. 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.

Students may transfer from a two-year college at any time. Although an unlimited number of hours are acceptable from a two-year college, students must earn a minimum of 64 semester hours from a four-year college or university, 32 of which must be earned from JSU. Therefore, **JSU recommends that each transfer student not earn credit beyond 64 semester hours (96 quarter hours) at the two-year college.**

Students under academic probation at other accredited institutions are admissible to JSU on probation, provided they are eligible to return to that institution.

- B. Students academically ineligible to return to the last institution 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 Admissions Committee for consideration of their individual situation.

- C. Transfer students have many opportunities to register for classes. Consult the schedule booklet for the specific dates of registration. Schedules are posted on the web and are available in print. The summer and fall schedules are available by February, and the spring schedule is available by November of each year. After advisement, transfer students may register via the web at www.jsu.edu.
- D. The Admissions Committee, acting under the requirements and policies of its governing board, shall consider the appeals of applicants who are not admissible to the University due to not meeting the minimum ACT/SAT score requirement or suspension from a prior college. To appeal to the Admissions Committee, transfer students should submit the application for admission, \$30 application fee, official transcripts from all colleges attended, and a letter of appeal explaining any extenuating circumstances and why an exception should be granted. A transfer student who does not have 24 transferable hours should also submit the items that are required for beginning freshmen. The Admissions Committee meets in April, June, July, August, and December to review appeals. Applicants interested in the appeal process should have the required documents sent to the Office of

Admissions as soon as the documents are available. All documents must be received one week prior to the committee meeting to allow sufficient processing time. The exact meeting dates and deadlines will be available by calling the Office of Admissions. A student who is denied admission by the Office of Admissions and whose appeal is denied by the Admissions Committee has the right to appeal to the president of the university whose decision is final.

- E. AGSC/STARS: Alabama Articulation and General Studies Committee/Statewide Transfer and Articulation Reporting System (AGSC/STARS) is part of a system created by statewide legislation designed to help a student transfer from one college to another. This system is a course-by-course layout of Alabama two-year and four-year institutions, and is designed to assist students with questions pertaining to credit hour and course transfers. This information is available on the internet at www.jsu.edu/transfer.

III. International Student Admissions

- A. International students who have never attended college in the United States must present a minimum score of 500 or above on the paper-based, 173 on the computer-based, or 61 on the Internet based TOEFL (Test of English as a Foreign Language), taken within the last two years or a minimum score of 5.0 on the IELTS (International English Language Testing System). In lieu of the TOEFL or the IELTS, an international student may present a minimum composite score of 19 on the ACT or a minimum combined critical reading and math score of 900 on the SAT for unconditional admission or a minimum composite score of 16 on the ACT or a minimum combined critical reading and math score of 750 on the SAT for conditional admission. These test scores should be sent to JSU directly from the testing agency. The minimum ACT and SAT score requirement will increase for the 2010 fall applicants to an ACT score of 20 or SAT score of 950 for unconditional admission and ACT score of 17 or SAT score of 830 for conditional admission. **Students who have not attended secondary school in eight or more years or are 25 years of age are exempt from this test score requirement.**
- B. In addition to the test score requirement, an international student must present official transcripts or documents proving graduation from secondary school. These documents must clearly indicate graduation and be mailed to JSU directly from the secondary school or placed in a sealed envelope from the school, then presented to the Office of Admissions unopened.
- C. International students who have attended a regionally accredited institution in the United States must present official transcripts from each institution attended. Test score requirements may be waived if the student has at least 24 acceptable semester hours. Students who do not meet the 24 hour requirement must meet the requirements listed above in (A & B).
- D. International students are required to complete a form titled "International Student Financial Statement." This form is required to provide documentary evidence showing adequate financial resources are available to attend the university.
- E. International students interested in a one to two year cultural exchange program should refer to the International House Program (IH). IH students are considered cultural exchange students exempt from the test score requirement of regular degree seeking students. IH students must have an official transcript or document sent to the Office of Admissions that clearly indicates high school graduation. This document should be mailed directly from the school to the Office of Admissions at JSU or be placed in a sealed envelope from the school and presented unopened to the Office of Admissions. This document must be received before the student begins classes. Students who are selected as IH students may choose to meet the regular admission requirements listed above in A, B, and C before enrolling at JSU. IH students who choose not to meet regular admission requirements before enrolling at JSU must meet those requirements if they wish to remain at JSU after completion of the one to two year cultural exchange program. These students may do so by meeting A, B, and C listed above or by completing 24 college level semester hours at JSU.

The application for admission to JSU will not be accepted without the documents listed above and the \$30 (U.S.) non-refundable application fee. **Application materials**

must be received sixty days prior to the start of the semester for which the student is applying. Students must also provide documentation of health insurance prior to registration for classes.

International students wishing to have credits earned at a foreign institution of higher learning evaluated must first be admitted to JSU as a degree-seeking student. At that point a student may request an evaluation of foreign educational credentials be mailed to JSU from one of the following approved evaluating agencies:

Education Credentials Evaluators, Inc.

P.O. Box 92970
Milwaukee, WI 53202-0970
(414) 289-3400

International Education Research Foundation

(formerly Credentials Evaluation Services)
P.O. Box 66940
Los Angeles, CA 90066

International Consultants of Delaware, Inc.

109 Barksdale Professional Bldg.
Newark, DE 19711

International Education Evaluation, Inc.

363 Ridgewood Ave.
Charlotte, NC 28209

International Evaluation Service

(formerly Indo-Chinese Document Evaluation Translation)
P.O. Box 20348
Long Beach, CA 90801

Lisano International

P.O. Box 407
Auburn, AL 36831-0407 (334) 745-0425

World Education Services Main Office

P.O. Box 745
Old Chelsea Station
New York, NY 10113-0745 (212) 966-6311

World Education Services

Southeast Office
P.O. Box 01-5060
Miami, FL 33101 (305) 358-6688

IV. Transient/Special Student Admissions

A student in good standing at an accredited institution may be admitted to JSU as a transient/special student. A transient/special student must apply for admission and submit the non-refundable \$30.00 application fee. The student must present evidence of his/her current academic standing (official transcript or letter of good standing) in support of the application. The transcript or letter of good standing should be mailed to JSU directly from the institution or be placed in a sealed envelope from the institution. International transient students must meet requirements for regular international student admission.

Transient/special students 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 to determine the acceptability of the JSU work to the institution where the degree is being pursued.

V. Accelerated Pre-College Program Admissions/Dual Enrollment

A student may be admitted as an accelerated high school student by meeting the following conditions:

1. Applicants must have earned a “B” average or better in ninth grade work.
2. Applicants must have completed the ninth grade before enrolling as accelerated students.
3. All applicants must have written permission of their principal and/or superintendent.
4. All applicants must submit an application to the University as an accelerated student along with the non-refundable application fee of \$30.00.
5. 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.

Accelerated students are subject to all rules and regulations of the University as well as its rights and privileges. Accelerated 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. Accelerated students must maintain a “C” average or better in all attempted coursework and a “B” average in high school.

COLLEGE CREDIT FOR ACCELERATED STUDENTS WILL BE AWARDED ONLY AFTER THE STUDENT HAS GRADUATED FROM HIGH SCHOOL AND HAS COMPLETED ALL FRESHMAN ADMISSION REQUIREMENTS TO JACKSONVILLE STATE UNIVERSITY. OFFICIAL TRANSCRIPTS ARE NOT AVAILABLE TO STUDENTS UNTIL ADMISSION REQUIREMENTS ARE SATISFIED.

VI. Early Admissions

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.

1. A letter of request from the applicant.
2. One copy of the official high school transcript.
3. The official ACT report.
4. A letter of recommendation from the high school principal or superintendent.
5. A letter of approval from parent(s) or guardian.
6. A completed application to the University with the non-refundable application fee.

ORIENTATION AND ADVISEMENT

Newly admitted students must attend an orientation/advisement session prior to the semester they wish to attend (See section: APPLICATION PROCEDURES). The orientation/advisement session includes a brief introduction to campus life, advisor assignment, academic advisement, schedule preparation, and registration. Following registration, students can obtain an I.D. card, post office box, and automobile registration. Questions regarding orientation should be directed to the Office of Student Life.

JACKSONVILLE STATE UNIVERSITY IN GADSDEN

Jacksonville State University in Gadsden (JSU-Gadsden) offers junior and senior level undergraduate courses and graduate courses on the campus of Gadsden State Community College in Gadsden, Alabama. The calendar for JSU-Gadsden is the same as the university calendar, and all university policies and regulations apply.

Drawing students primarily from Etowah County and the counties adjacent to it, JSUGadsden scheduling consists mostly of late afternoon and evening classes tailored to meet the needs of working adults. Offerings are particularly extensive for Business Administration and Education majors. An M.B.A. program and M.S.Ed. courses are also available there.

Registration and academic advisement are provided at the Gadsden Campus.

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 as costs rise; however, every effort is made to keep fees and charges at a minimum.

PAYMENTS

In order to confirm registration, students must pay all tuition and fees by the published due date. Students may view their tuition and fees at <http://my.jsu.edu>. Payment may be made by one of the following ways: The Bursar's Office cashier window, 2nd floor of Bibb Graves Hall, via the web at <http://my.jsu.edu>, by credit card (Visa, MasterCard or Discover), or by mail with a check or money order (must be RECEIVED in the Bursar's Office by the published due date). Each student is responsible for knowing all registration and fee payment dates.

Long distance telephone charges, traffic fines, library fines, etc., are due when the charge is applied to the student account.

Students are expected to meet all financial obligations to the University. The University reserves the right to deny admission and withhold transcripts of any student who fails to meet their financial obligations. Any collection costs or attorney fees necessary for the collection of any debt of JSU will be charged to and paid by the debtor. Questions about charges and refunds should be addressed to the Bursar's Office.

PAYMENT PLAN

Jacksonville State University is pleased to offer students an installment plan to budget the costs of tuition and university housing. The payment plan is offered as a service, allowing students to budget their educational expenses. The details for the payment plan can be found at www.jsu.edu, on the Bursar's Office page.

CHECKS

In the event a student presents a check which is not honored by the drawee's bank, JSU will charge the current maximum returned check fee allowed by law for each returned check. Enforced withdrawal from the University may result if a returned check is in payment of tuition and/or fees. After having two (2) checks returned, privilege of paying by check is forfeited. No counter checks will be accepted. The University is unable to cash personal checks, but will cash money orders or cashiers checks up to \$100.00.

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 also required to carry health and repatriation insurance.

FEES

The following fees and charges are in effect at this time. However, since the catalogue must be published well in advance of the next school year, it is not always possible to anticipate changes. Thus the Fees and Tuition rates may have to be revised. Every effort will be made to publicize changes as far in advance as possible.

AVERAGE COST PER STUDENT PER FALL OR SPRING SEMESTER

The estimated costs listed below are intended only to aid the student in approximating his/her needs for one semester. This schedule does not include deposits, special services, or materials that the student may require; nor for allowance for books and supplies which may be needed.

Tuition Cost (12 hours)	\$ 2,496.00
Room and meals per semester (estimated)	<u>2,900.00</u>
ESTIMATED TOTAL	\$ 5,396.00

TUITION RATES

Traditional Courses: Courses that are held in a classroom on the main JSU campus and Joe Ford Center in Gadsden.

Distance Learning Courses: On-Line Courses, Videoconferencing Courses (classes not held on the main JSU campus or Joe Ford Center in Gadsden), Emergency Management Courses, Step On-Line Courses (Nursing), Video Based Courses and Dual Enrollment Courses.

TUITION FOR TRADITIONAL CLASSES:

Undergraduate tuition for traditional hours:

In-State Traditional Hours	\$208.00 per hour
Out-Of-State Traditional Hours	\$416.00 per hour

Graduate tuition for traditional hours:

In-State Traditional Hours	\$274.00 per hour
Out-Of-State Traditional Hours	\$548.00 per hour

TUITION FOR DISTANCE LEARNING CLASSES:

In-State or Out-Of-State Tuition Rates for Distance Learning classes:

On-Line Courses, Videoconferencing Courses (classes not held on the main JSU campus or Joe Ford Center in Gadsden), Emergency Management Courses, Step On-Line Courses (Nursing), and Video Based Courses (300 level and above)

Undergraduate Distance Learning Hours	\$258.00 per hour
Graduate Distance Learning Hours	\$324.00 per hour
Video Based Courses (100-200 level), and Dual Enrollment Courses	
In-State Undergraduate Distance Learning Hours	\$ 90.00 per hour
Out-Of-State Undergraduate Distance Learning Hours	\$180.00 per hour

AUDIT FEE:

Per Hour	\$ 25.00
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*****IMPORTANT NOTICE*****

IT IS THE STUDENT'S RESPONSIBILITY TO PAY ALL TUITION AND FEES BY THE DUE DATE. IF NOT PAID BY THE DUE DATE, THE STUDENT'S REGISTRATION WILL BE CANCELLED.

Tuition and Fees can be viewed at <http://my.jsu.edu>

ALL TUITION AND FEES ARE SUBJECT TO CHANGE

UNIVERSITY HOUSING

Room rates for Fall and Spring semesters are as follows:

RESIDENCE HALLS

Female

Curtiss Hall	Double	\$1,180.00
Fitzpatrick Hall	Double	\$1,175.00
Logan Hall (Private Bath)	Double	\$1,460.00

Male

Crow Hall	Double	\$1,175.00
Daugette Hall	Double	\$1,030.00
Patterson Hall (Private Bath)	Double	\$1,460.00

CO-ED

Dixon Hall (Home of the Marching Southerners)	Double.	\$1,175.00
Sparkman Hall	Private.	\$1,520.00

APARTMENTS

Campus Inn Efficiency	\$1,320.00
Campus Inn 1 Bedroom	\$1,610.00
College	\$1,835.00
Jax 1 Bedroom.	\$1,610.00
Jax 2 Bedroom.	\$1,900.00
Pannell Efficiency.	\$1,755.00
Penn House.	\$1,680.00
Colonial Arms.	TBA

* Students must have lived on campus one semester to be eligible for Sparkman Hall.
 All fees are subject to change.
 **Family Housing-must provide copy of marriage/birth certificate with application.

SPECIALITY HOUSING

Leadership House for Women	\$1,610.0
Leadership House for Men	TBA
International House	\$1,030.00

DINING SERVICES

The meal plan account provides for prepaid meals at Hopper Dining Hall 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 retail bands such Hopper Dining Hall, Chick-fil-A and coming soon will be WOW Wingery, Jazzman’s Café, Freshens Smoothie Bar & Energy Zone, along with Baja Fresh Mexican Grill.

Resident Dining Meal Plan Options

If you live on campus in Crow, Curtiss, Daugeette, Dixon, Fitzpatrick, Logan, Patterson or Sparkman, your JSU account will be billed \$1,100 for the plan and you will 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 outlets.

14 Meals Per Week with \$125 Flex

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

8 Meals Per Week with \$350 Flex

This plan provides the cardholder with any 8 meals throughout the week at Hopper Dining Hall. It also includes \$350 in flexible spending over the semester at the retail outlets.

Block 70 with \$600 Flex

This plan provides any 70 meals throughout the semester at Hopper Dining Hall to be used by the cardholder, plus \$600 in flexible spending over the semester at the retail outlets.

Non-Resident Commuter Dining Options

If you are a commuter student and would like the convenience and ease of dining on

campus, then you have several options available to you. You 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 \$457.00

This plan provides any 50 meals throughout the semester at Hopper Dining Hall to be used by the cardholder, plus \$100 flexible spending over the semester at the retail outlets.

Commuter \$400 Flex Plan \$380.00

This plan provides \$400 flexible spending over the semester at Hopper Dining Hall and the retail outlets. At Hopper Dining Hall you would pay the guest rates listed within this brochure. At the retail outlets you would pay the cost per item listed.

For more information on the dining program go to www.dining.jsu.edu or call 256-782-7242.

OTHER FEES AND DEPOSITS

(Required of students only when applicable)

Initial Application for Admission

Fee (non-refundable) \$ 30.00 per student

Degree Fee (non-refundable) \$ 20.00 undergraduate/graduate charged each time a student applies to graduate

Graduation apparel (cap, gown, etc.) is available through the University Bookstore. Students will be requested to place their orders at the beginning of their final semester (or 8 weeks minimum prior to graduation). Exact date will be posted in the University Book-store. Costs will vary based on degree.

Identification Card Fee \$ 10.00 per student

Identification Card Replacement Fee \$ 15.00 per processing

Late Registration Fee \$100.00 per student

Teaching Certificate Fee \$ 20.00 per student

Transcript of Records \$ 5.00 per transcript

Mail sent Home \$ 10.00 per semester hour

Motor Vehicle Registration Fee \$ 35.00 per academic year per decal prorated charge

Short terms only

Pre-School Center Program \$500.00 per child per full semester

\$180.00 per child per short semester

(for May)

Returned check fee current maximum allowed by law

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 should contact the Registrar's Office with any questions. Graduate students should contact the Office of the Dean, College of Graduate Studies and Continuing Education. Petitions for residency that are granted prior to the start of any semester will be effective the first day of the semester. Once classes start, residency determination will apply to the next academic term. Determination of residency is not retroactive.

WITHHOLDING OF CREDITS

Any student who is indebted to the University for any reason may have his/her complete academic record withheld until the student's account is settled through the Bursar's Office.

REFUNDS OR CHARGE ADJUSTMENTS

I. WITHDRAWAL:*

Any student who has registered and has paid but does not wish to attend must notify the Registrar's Office in person or in writing (certified mail suggested) 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. Refund of residence hall charges will be processed according to JSU's tuition refund policy.

Students scheduled to receive financial aid who do not plan to attend a semester for which they have registered must notify the Financial Aid Office and the Registrar's Office in writing (certified mail suggested) by the last day to register for the semester to cancel their registration and financial aid. Students who fail to notify the Financial Aid Office will be enrolled and subject to academic and financial penalty.

Tuition will be refunded as follows for withdrawals:

For Fall and Spring semesters, one hundred percent (100%) of total tuition charged if withdrawal from the semester occurs by the last day to register for the semester. Eighty percent (80%) of total tuition charged if withdrawal from semester occurs within one (1) week after the close of the registration period. Fifty percent (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.

For Summer semesters, one hundred (100%) of total tuition charged if withdrawal from the summer term occurs by the last day to register for that term. Eighty percent (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. Fifty percent (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.

Students who withdraw while on financial aid may have to repay a proportionate amount of aid received and may owe the University money. Please check with the Financial Aid Office or the Bursar's Office for more details.

II. CHANGE OF COURSE(S) (DROP):

Tuition will be refunded as follows for Dropped Courses: For Fall and Spring semesters, one hundred percent (100%) of total tuition charged for the dropped course if the drop occurs by the last day to register. There is no refund for dropping of a course after the last day to register for the semester.

For Summer semesters, one hundred percent (100%) of total tuition charged for the dropped course if the drop occurs by the last day to register for that summer term. No adjustment if drop occurs thereafter.

All refunds will be made by check. All remaining charges are due and payable upon withdrawal or dropping of a course.

III. CHANGE OF COURSE(S) (ADD):

Tuition for courses added after the original due date are due no later than the last day to register for the semester to retain the course.

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 II semesters. Extended operating hours are offered for the convenience of evening students.

STUDENT 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.ed.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, it is to be mailed to the processor or submitted via the internet (www.fafsa.ed.gov). In approximately four to six weeks, the processor sends the applicant 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 as honestly and accurately as possible. 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. Each year the federal government selects approximately 30% of all applicants for verification. Those selected for verification must provide documentation, such as income tax returns, 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 15 has been established as the preference dead-line for applying for most types of assistance.

Those interested in detailed information on federal financial aid should request The Student Guide by writing the Federal Student Aid Information Center, P.O. Box 84, Washington DC 20044. Additional information may also be secured from the University Financial Aid Office, or from the Internet at www.nasfaa.org.

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 gifts 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 January 1 and list Jacksonville State University (Code 001020) to receive the report. Also submit a Financial Aid Data any other documentation that is required to the Financial Aid Office preferably by March 15.

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 January 1 and list Jacksonville State University (Code 001020) to receive the report. Also submit a any other documentation that is required to the Financial Aid Office preferably by March 15.

Alabama Student Assistance Program (ASAP)

Undergraduate students who have not earned their first baccalaureate degree and who have been 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 January 1 and list Jacksonville State University (Code 001020) to receive the report. Also submit a Financial Aid Data Sheet, and any other documentation that is required to the Financial Aid Office preferably by March 15.

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 Federal Stafford Loan Program**

JSU participates in the Federal Stafford Loan Program. Repayment begins six months after the student's enrollment drops below half-time status (6 credit hours).

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

Federal Stafford 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 until repayment begins.

Federal Stafford Unsubsidized Student Loan

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

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 from the Financial Aid Office. Students interested in receiving a PLUS loan only must first complete the FAFSA form.

To apply for a subsidized or unsubsidized loan, submit a FAFSA as soon as possible after January 1, along with a JSU Financial Aid Data Sheet and any other documentation that is required to the Financial Aid Office. The preference deadline to apply is March 15. The Financial Aid Office will notify applicants of their eligibility.

Annual Loan Limits

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

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

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

Freshmen, \$9,500; Sophomores, \$10,500; Juniors and Seniors, \$12,500; and Graduates, \$20,500.

Parents may borrow up to the cost of education on the PLUS program.

NOTE THAT UNDERGRADUATE STUDENTS MUST BE ENROLLED FOR AT LEAST SIX (6) UNDERGRADUATE HOURS TO BE CONSIDERED ELIGIBLE TO BORROW A STUDENT LOAN.

FEDERAL PERKINS LOANS—JACKSONVILLE STATE UNIVERSITY NO LONGER PARTICIPATES IN THE FEDERAL PERKINS LOAN PROGRAM.

CAMPUS EMPLOYMENT

Many students work part-time while attending college without sacrifice to their grades. By working, students are able to contribute to their educational expenses and at the same time gain valuable experience.

Federal Work-Study

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

To apply, submit the FAFSA as soon as possible after January 1, preferably before March 15, and list Jacksonville State University (Code 001020) to receive the report.

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. This program is not based on financial need.

Off-Campus Employment

Students desiring to find part-time work in the local area must visit the Counseling Career Services web page at www.jsu.edu/depart/ace/ccs/index.htm for current job listings.

SCHOLARSHIPS

Jacksonville State University offers various scholarships for entering freshman as well as returning students. Academic scholarships are automatically given consideration to entering freshmen based on the completed undergraduate admission, scholarship application, official high school transcripts 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.ed.gov. Consult our Scholarship Listing (www.jsu/financial) for information pertaining to individual requirements and/or restrictions of scholarships offered. Scholarship offers are subject to applicant being admitted to the University. The scholarship application period is October 1 and the deadline is March 1.

Leadership Scholarships

Leadership Scholarships are awarded to students without regard to state or national residency. Selection is based on each applicant's participation in high school activities, community service, and academic record. March 1 is the absolute deadline to apply. Leadership Scholarships pay full in-state tuition (up to 16 traditional classroom semester hours) per semester for up to two years.

Presidential Transfer Scholarship

JSU offers a Presidential Transfer Scholarship to students attending Alabama Community Colleges. The minimum requirement is a 3.5 GPA and the student has never attended JSU. Application is made through the students Community College. Additional criteria may be used by the Community College making the selection. This

scholarship pays for up to 16 in-state traditional classroom hours per Fall and Spring semesters.

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 Music Department at (256) 782-5559.

Alabama National Guard Educational Assistance Program

The State of Alabama provides assistance to cover tuition and book expenses for persons who are members of the Alabama National Guard. Selection of recipients is made by the Alabama Commission on Higher Education. Those interested in applying should contact his/her National Guard unit commander for the necessary application.

Alabama G.I. Dependents Scholarship Program

The Alabama Department of Veterans Affairs offers financial assistance to eligible dependents (child, stepchild, spouse or unremarried widow or widower) of disabled veterans (living or deceased) who were permanent civilian residents of Alabama prior to entry into military service. Other qualifying veterans categories are former prisoners of war, declared missing in action, and those who died in service. Maximum educational benefits include tuition and required textbooks. For more information, contact the nearest Veterans Affairs Office, located in each Alabama county courthouse. The Office of Veterans Affairs is located on the first floor of Bibb Graves Hall, Room 101, to assist students.

Veterans Benefits

Eligible veterans may contact the Office of Veterans Affairs located in Bibb Graves Hall, Room 101.

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

PACT Alabama Prepaid Affordable College Tuition Program (AL PACT)

A contract to guarantee four years of fully paid undergraduate tuition at any public community college or university in Alabama; an amount equal to the average cost of Alabama tuition will be provided for students who attend a private, or out-of-state institution. Age limits apply to students enrolled in the program. A copy of PACT Eligibility letter must be provided to JSU Scholarship office – Fax (25) 782-5476.

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. This includes free room in an on campus residence hall. 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 plus free room. 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 and quantitative criteria. Jacksonville State University reserves the right to monitor satisfactory academic progress periodically throughout the calendar year. Please go to www.finaid.jsu.edu to view the Satisfactory Academic Progress Policy. The Policy is located under the Financial Aid forms section. Students should view the policy for the year in which he/she plans to attend.

AWARDING, ACCEPTANCE AND PAYMENT OF FINANCIAL AID

Students who are determined to be eligible for Federal Pell Grants, Federal Supplemental Grants, Federal Stafford Loans, (ASAP), and Federal Work Study will receive an Offer of Financial Aid and other documents. This assistance, and scholarships awarded by the University, is credited to the student's account and a check is issued to the student's campus mailbox for the balance.

Students may use scheduled financial aid to confirm classes and/or university housing costs if their assistance has been processed by the required payment dates. Scheduled financial aid appears on each student's bill sent by the Bursar's Office via JSU email and may be viewed on MyJSU. More detailed information on paying confirmation costs is located in the class schedule.

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 (twelve hours) for maximum benefits during the regular terms. Six hours are considered half-time during the May, Summer I and Summer II terms. Questions pertaining to individual program requirements for maximum benefits should be addressed to the Financial Aid Office.

Federal assistance is available only to students who are enrolled in a degree seeking program or who are seeking teacher's certification. Students must be regularly enrolled in a degree seeking program in order to be eligible for Federal financial aid. 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 may have to repay a proportionate amount of assistance disbursed for that term. Students who receive a full Federal Pell Grant and then drop to less than twelve 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 in the class schedule booklet.

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 and Registrar's Offices prior to the first day of classes to cancel their preregistration and financial aid.

STUDENTS WHO FAIL TO DO THIS WILL BE ENROLLED IN CLASSES AND RECEIVE ACADEMIC AND FINANCIAL PENALTY.

AID DURING MAY/SUMMER/MARATHON SESSIONS

Students who attend during the May/Summer/Marathon (short) sessions may qualify for financial assistance if they have remaining eligibility. Federal Pell Grant recipients who do not attend the Fall and Spring terms full-time may qualify for a grant for these terms. Supplemental Educational Opportunity Grants and Alabama State Grants are generally not available. Most assistance is in the form of Federal Stafford 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 before submitting an application since time does not allow for changes to be made once an application is processed.

NONDISCRIMINATION

All financial aid is awarded without regard to age, sex, race, religion, physical or mental handicap, 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 TAX 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.

THE DEPARTMENT OF UNIVERSITY HOUSING AND RESIDENCE LIFE

The Department of University Housing and Residence Life provides a variety of living options. We have traditional residence halls, apartments, and designated family housing that enhance a community environment.

The Department of University Housing and Residence Life operates and maintains eight residence halls, and 300 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 Department of University Housing and Residence Life of any changes in their status, which may affect their eligibility.

Students must submit a housing application/lease agreement and a deposit of \$100 (check or money order made payable to Jacksonville State University) by the April 1, priority deadline. The housing application/lease agreement will not be processed without a \$100 deposit. Room assignments are made based on the date in which applications are received; therefore, space may become limited before the April 1, priority deadline.

If you have a roommate preference, you must indicate your preference on the housing application/lease agreement. Roommate request must be mutually requested and must include the correct student number of each roommate. Both roommate application/lease agreements must be submitted together by April 1 for the request to be considered. Also both roommates must 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. You are financially responsible for all room charges for the fall and spring semesters unless an agreement release request is completed and approved.

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

New students to university housing that will enroll in the upcoming fall semester must cancel their lease agreements by July, in order to receive a deposit refund for the fall semester.

Room rates for Fall and Spring semesters are as follows:

RESIDENCE HALLS

Female

Curtiss Hall	\$1,180
Fitzpatrick Hall	\$1,175
Logan	\$1,460

Male

Crow Hall	\$1,175
Daugette Hall	\$1,030
Patterson	\$1,460

Co-Ed

Dixon Hall	\$1,175	Sparkman Hall	\$1,520
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Students must have to live on campus one semester to be eligible for Sparkman Hall.

Apartments

Campus Inn Efficiency	\$1,320	Campus Inn 1 Bedroom	\$1,610
College	\$1,835	Colonial Arms	TBA
*Jax 1 Bedroom	\$1,610	*Jax 2 Bedroom	\$1,900
Pannell Efficiency	\$1,755	Penn House	\$1,680

Students are eligible for all apartments (Jax excluded) once sophomore status has been reached. (32 hours).

*Family Housing-must provide a copy of marriage/birth certificate with application

Speciality Housing

Leadership House for Women	\$1,610	Leadership House for Men	TBA
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Qualifications-sophomore, juniors, seniors and transfer students; 2.5 GPA, at least one semester on campus

International House	\$1,030.00
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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 128 semester hours of university work with a minimum "C" average 2.0 GPA. Earn a minimum of 64 semester hours from a four-year college or university, 32 semester hours of which must be resident work at JSU. Fifty-two (52) semester hours of credits presented for a degree must be in courses numbered 300 or above. Have no more than 12 semester hours in correspondence work.
2. Earn a minimum "C" or better in each of his/her major and minor courses. Students working toward a degree from the College of Commerce and Business Administration must also have a 2.0 GPA in the business core [courses are identified in the Commerce and Business Administration section] overall and the business core courses in residence.
3. No matter what advanced standing the candidate may have been admitted under, or what credits they may have transferred, they must earn credit at JSU for at least twelve 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 9 hours of advanced level courses in each dual-teaching field must have been taken at JSU.

4. Programs of study requiring more than 128 semester hours will require additional minimum resident hours so that at least 25 percent of the work applied toward the degree is resident work.
5. 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.
6. A minor in addition to a major is required for all degrees with the exception of majors in liberal studies, nursing, accounting, finance, management, marketing, computer integrated manufacturing systems technology, electronics technology, occupational safety and health, technology, social work, family and consumer science, 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 FCS 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.
7. Students entering with advanced standing or earning credit from another institution after initial enrollment at JSU must earn a minimum "C" average, 2.0 GPA, at this institution. (Note: Some degree programs require more than 128 semester hours.)
8. 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 Art Department prior to admission into the B.F.A. degree program.
9. 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.
10. Successfully complete the English Competency Examination. (See Tests and Examinations Section).
11. Apply to the appropriate Dean no later than the last day to add classes in the semester in which you will graduate.

Catalogue Requirements and Time Limits

Degree requirements and other university regulations are established by the catalogue current at the time of initial enrollment. Students may complete requirements under the catalogue current at that time or any later catalogue 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 catalogue as negotiated with the College Dean. Students may not combine components of different catalogues.

Students tracking toward transfer enrollment may follow the JSU catalogue in effect at the time of initial collegiate enrollment. However, students should be advised that the twelve (12) year catalogue 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 Under-graduate Catalogue at the time of enrollment in the additional degree program. 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. The normal student load for those in attendance during the regular session in good academic standing is defined as 16 hours. Full-time status is defined as 12 semester hours, 6 semester hours is half-time. Students on academic probation must limit their course work during Fall and Spring semesters to no more than 12 semester hours. No more than 21 semester hours total may be scheduled in any semester.
2. The normal student load suggested for students in good standing in each summer semester is 6 hours. Students on probation will be limited to 3 hours in any Summer term. Full time status is defined as 3 hours in a Summer term. No more than 21 hours total may be scheduled in the summer semester.
3. Students can find their grade point average by dividing the number of GPA hours (all hours for which registered) into the quality points earned. Note section on Replacement Course Policy.
4. Students may be enrolled with more than one college/university at the same time. Students enrolled at both Jacksonville and another college/university are subject to the academic standards and guidelines of Jacksonville State University.
5. Students dually enrolled at Jacksonville State University and any other institution may take a maximum of 21 semester hours during the fall and spring semesters.
6. Questions concerning student load may be addressed to the Registrar's Office.

CLASSIFICATION OF STUDENTS

<u>Hours completed</u>	<u>Classification</u>
0-32	Freshman
33-64	Sophomore
65-96	Junior
97-128	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 after the third class day (second day in summer school) will not be allowed to register for more than 16 semester hours during the two full length semesters (6 semester hours during each session of summer school) without approval of the appropriate Academic Dean.

Students registering on the first day of class or later will be charged a late registration fee of \$100.00. 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 \$30.00 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.

HONORS COURSES

The University offers Honor sections of some survey level courses. Enrollment eligibility is typically based on ACT/SAT scores or permission of instructor.

CHANGES IN REGISTRATION

No changes in a student's program of study will be permitted, nor may courses be dropped, later than the published date. All changes must be made through the Registrar's Office.

WITHDRAWALS

A student who has registered and paid but does not wish to attend must notify the Registrar's Office in person or in writing by the last day to register for the semester to receive a full refund of tuition charged. Students scheduled to receive financial aid who do not plan to attend a semester for which they have registered must notify the Financial Aid Office. Failure to assure this notification may result in academic and financial penalty. Refund of residence hall charges will be processed according to JSU's tuition refund policy.

Students may withdraw without any academic penalty until the 'Last Day to Drop 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 Drop, see calendar for dates.

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

Students may not petition for grade changes beyond two weeks from the close of that semester. (See refunds section.)

Appeals to the policy must be made in writing to the Registrar's Office.

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 number of hours attempted. The GPA is not rounded. The GPA is truncated to two places past the decimal for reporting purposes.

- 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 point per hour (60-69). This grade will not be assigned for EH 098, 099, 101, 102, 348, LS 094, 095, 096, 097, 098, 104, MS 100.
- NC — No credits (0-69). This grade assigned only in English 098, 099, 101, 102, 348, LS 094, 095, 096, 097, 098, 104 and MS 100.
- F — No quality points (0-59). Failing grades may not be removed from the academic record. This grade will not be assigned for EH 098, 101, 102, LS 094, 095, 096, 097, 098, 104, MS 100.
- FA — Failure Due to Nonattendance
- P — Passing. Grade given for selected courses as specified in the course descriptions in this catalogue. 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.

The passing grade is "D." 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.

- I — Incomplete—non-punitive.

Assigning the 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.

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. Grades of 'I' will roll to 'F' on Academic Preparation Day in the Fall and Spring semesters. They will roll on the day before grades are due in the short terms. 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 anytime during the process, as detailed above, the Instructor is not available, the appropriate Department Head and/or Dean will represent the Instructor's interest.

Students may not petition for grade changes beyond two weeks from the close of that semester. (See refunds section.)

Appeals to the policy must be made in writing to the Registrar's Office.

REPLACEMENT COURSE POLICY

Students may improve their GPA by repeating courses taken at JSU in which they have earned a grade of "D" or "F" by retaking the course at JSU and earning a grade of "C" or better. All attempts will remain on the academic transcript. However only the "C" or better will be used in determining the students GPA with regard to minimum requirements for graduation and academic action (academic warning, probation, etc.). All

course work, including repeated courses, will be used in determining class rank and graduation honors.

This policy is effective for JSU course work only and is not applicable to any work that may have been earned at another institution.

This policy is not retroactive to repeated course work prior to the Fall Semester 1997.

It should be noted that some programs have higher requirements for admission to, 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.

DUPLICATION OF COURSES

Credit toward graduation for any course, or part of a course, will not be granted twice. Once a course has been completed at JSU with a grade of C or better all further attempts will be excluded from the GPA and earned hours. However, 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 Catalogue along with the maximum number of times the course number may be utilized for credit without being considered a duplication of credit. JSU will count the first pass with a grade of D or higher only in the GPA and earned hours for transfer work.

INSTITUTIONAL CREDIT

Institutional credit is awarded for successful completion of development courses. Specifically, these are EH 098, EH 099, LS 094, LS 095, LS 096, LS 097, LS 098. Institutional credit earns the same value as regular academic credit but is not counted toward the minimum hours required for graduation.

Institutional credit is considered for full-time status, financial aid, and is included within the overall grade point average. Grades earned for these courses will be "A," "B," "C," OR "NC."

MIDTERM/FINAL GRADES

At midterm grades are available on myJSU for students who currently have a "D" or "F" in any class. Only grades of D or F are recorded. This report may be accessed for a limited time via the Internet. Final grades are accessed the same as midterm grades. Midterm grades are reported for Fall and Spring semesters only.

FINAL GRADE CHANGE

No grade except Incomplete (I) may be changed after the submitting of final grades except in the case of error in communication of student's grade to the Registrar's Office. **Within six weeks after the turning in of the grades, a teacher desiring to change a grade other than an Incomplete must make written application through the appropriate Department Head to the Registrar's Office, stating the reason for the error and the need to change.**

Students may not petition for grade changes beyond two weeks from the close of that semester.

GRADE APPEAL

The grade appeals process begins with a meeting between the student and the course instructor, and cannot proceed to any further stage unless this requirement is met. The formal process for appealing grades for each college is available in the Dean's Office.

HONORS

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

1. Undergraduate student carrying 12 or more hours in the Fall and Spring semesters will be recognized as follows.
 - a) Students who obtain a 4.0 grade point average for that semester will be listed on the President's List.

- b) Students who obtain a grade point average between 3.5 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 3.5-3.69 quality points on hours attempted.
 - b) The designation "magna cum laude" will be engrossed on the diplomas of graduating students who maintain an average of 3.7 to 3.89 quality points on hours attempted.
 - c) The designation "summa cum laude" will be engrossed upon the diplomas of graduating students who maintain an average of 3.9 to 4.0 quality points on hours attempted.
 - d) The designation "special honors in _____ (the major subject)" will be engrossed upon the diplomas of graduating students who maintain a 3.5 average in the major field of study and a 3.25 overall average, both calculations computed on hours attempted.
 - e) Eligibility for Honors will be determined at the conclusion of the degree program.
 - f) Students who transfer to JSU or JSU students who take courses from another institution must attain the required grade-point-average in both the overall calculation and in the resident calculation for the various honors at graduation.
 - g) Note that the Replacement Course Policy, Academic Forgiveness and Second Chance listed elsewhere in this catalogue, do not apply for purposes of Honors at Graduation.
 - h) The grade point average is truncated to two places past the decimal for reporting purposes and not rounded.

UNDERGRADUATE ACADEMIC STANDARDS POLICY

Satisfactory Academic Progress

Students at the University are required to meet minimum cumulative grade point averages (GPAs) in accordance with the following table. For purposes of determining satisfactory academic progress, May, Summer I, Summer II, and associated marathon terms will be combined as one semester for the purpose of determining readmission after suspension.

GPAs	REQUIRED MINIMUM CUMULATIVE GPA
0-32	1.5
33-64	1.7
65-96	1.9
97+	2.0

GOOD ACADEMIC STANDING

A student will be considered in "good academic standing" if they are eligible to take classes at Jacksonville State University.

ACADEMIC ACTIONS

I. 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 minimum cumulative GPA.

II. 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 cumulative GPA. Students on "academic probation" must limit their course work during fall and spring semesters to no more than twelve semester hours attempted and no more than three semester hours attempted during May, Summer I and Summer II terms. To avoid "academic suspension" a student must maintain a semester GPA of 2.00 or greater or achieve the required minimum GPA.

III. ACADEMIC SUSPENSION

A student will be placed on “academic suspension” at the end of any term following a semester of “academic probation” when 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 counts as one semester.) Upon return students must meet a semester GPA of not less than 2.00 or achieve the required cumulative minimum 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.”

IV. ACADEMIC DISMISSAL

A student will be placed on “academic dismissal” following a semester of “academic suspension” when the suspension semester’s GPA is less than 2.00 or the required cumulative minimum 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.”

V. 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 Associate Vice President for Academic Affairs. Reinstatement is for one semester only. Subsequent reinstatements must be approved by the Academic Council. Any student under academic suspension or dismissal has the option of petitioning for reinstatement.

The reinstated student must maintain a 2.0 grade point average **for each attempted course** during the reinstated semester. All requirements specified by the Office of Associate Vice President for Academic Affairs 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, unless an appeal is made to the Financial Aid Appeals Committee.

The Office of the Associate Vice President for Academic Affairs 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. All course work taken, even hours completed satisfactorily during the semester for which forgiveness is declared, will be disregarded in the cumulative grade point average and as hours earned toward graduation. Academic forgiveness may be granted one time and is applicable only to JSU undergraduate course work.

Procedure

Students may petition for academic forgiveness for only one semester (any fall, spring, May, or summer term) already completed at the University, provided the student has a GPA of 2.0 or higher in residential work and overall.

Forms and details of this policy are available in the Office of the appropriate College Dean. Undecided majors should obtain this form and submit the petition to the Associate Vice President for Academic Affairs located in Room 201 Bibb Graves Hall.

After review of the petition, by the Dean, the Dean's designee, or the Associate Vice President for Academic Affairs, 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. Additionally, students should realize that although a semester may have been academically forgiven for purposes of completing degree requirements, all JSU course work, including the forgiven semester, will be used in determining honors at graduation.

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 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. It will, however, be used to compute the grade point average for honors at graduation, class standing, and may be used for admission to graduate studies. Some undergraduate professional programs may require inclusion of all course work for admission to, continuation in, and graduation from the program. Students should seek advice from the appropriate college dean or designated person.

Students seeking Second Chance status will be required to follow the catalogue 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. Second chance is not applicable to Teacher Education Program admission.

Students granted Second Chance must attend at least 12 hours without financial aid and make at least a "C" (2.0) average to be eligible for appeals status with financial aid.

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 colleges. 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 catalogue 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 junior or seniors.

CANDIDATES FOR DEGREES

Application for admittance to candidacy for a 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 a specific graduation date should contact their respective Dean's office regarding the procedure for re-applying for another graduation date. Students must have satisfactorily completed the English Competency Exam (ECE) at least one semester before applying for graduation. Students must also complete the College BASE Examination to be eligible for graduation.

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.

TESTS AND EXAMINATIONS

Students who miss examinations or announced classroom assignments for legitimate reasons may take make-ups, which shall be scheduled by the instructor at a reasonable time and under reasonable conditions. No fee will be charged or penalty 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.

ENGLISH COMPETENCY EXAMINATION (ECE)

Undergraduate students must successfully complete the University ECE. Students who have completed EH 101 and 102 and have earned 60 semester hours are eligible to take the examination. Students are strongly advised to complete this examination 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 and spring semester.

Students who have passed the writing section of the Georgia Regents' Test or the Florida CLAST are exempt from the ECE. Students must present evidence of satisfactory completion to the Registrar's Office. Students who have earned a Bachelor's Degree from a regionally accredited institution are also exempt from the ECE.

STUDENT OUTCOMES ASSESSMENT (College BASE Examination)

To assess and improve its academic programs, the University must obtain periodic measurements of student perceptions and intellectual growth. As a requirement for graduation, all seniors must take a general education achievement test (currently, the College BASE Examination) and complete a Graduating Senior Questionnaire. Additionally, some programs require that their majors take a comprehensive test of achievement in the discipline. Students may also be required to participate in other evaluations of University programs and services. The information obtained through these assessment procedures is used solely to improve the quality of the educational experience for future generations of JSU students.

For information on the C-Base contact Counseling Services at (256) 782 5475.

DISTANCE EDUCATION

Jacksonville State University strives to meet the needs of all students. Distance Education enhances this capability by utilizing an ever-expanding set of technological tools to reach students who may otherwise have been unable to participate in the university setting. With interactive educational technology tools, such as videoconferencing and

online course management, students from all walks of life can participate in the university environment while continuing with busy work and personal schedules. Greater flexibility in scheduling provided by Distance Education courses enables JSU to draw from a pool of students from all areas of society. These courses provide students with the education and tools needed to reach their goals, whether these goals are professional or personal. Distance Education provides an outstanding level of education to every student.

Online

To address the needs of the 21st century, Jacksonville State University is committed to offering courses for online distribution. A growing number of graduate and undergraduate courses, as well as full degree programs, are being offered online. For a listing of all online programs, refer to <http://jsuonline.com>. 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 instructor through e-mail, asynchronous discussion, and live chats. Examinations may be administered online, or through a proctor at a distance. Students unable to attend on campus examinations should review the following website for more information on proctoring specifications:

<http://www.jsu.edu/distance/fac-resproctoring.html>

Videoconferencing

Jacksonville State University brings videoconferencing experiences to the students of northeast Alabama and west Georgia. Videoconferencing is ideal for commuting students, allowing them to save valuable time otherwise spent driving to class. Instead of traveling to JSU, students can attend class through interactive video at various locations throughout Alabama and Georgia while connected to their faculty and other students on campus at JSU. Videoconferencing provides live interactive communication to any point in the world using combined television and computer technologies. This format encourages students to actively participate with their instructors and other class members at different locations. Most videoconferencing courses utilize online technologies for communication and document exchange, i.e., e-mail or assignment management tools. For a listing of videoconferencing sites visit the following link:

http://www.jsu.edu/distance/courses_program/videoconferencing.html

Video-Based Courses

Courses are also offered through a combination of DVD and limited on-campus class meetings. Video-Based courses may combine DVD with online activities, textbooks, reading assignments, or laboratory opportunities.

Office of Distance Education

For further information about distance education, students may contact the Office of Distance Education, at (256) 782-8172 or toll free at 1-800-231-JAX1, extension 8172. Internet users are invited to visit JSU's Distance Education homepage at <http://distance.jsu.edu>.

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** with 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 junior/community college must earn 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.

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.

Military Credits

Advanced standing in accordance with that which is recommended by the American Council on Education and in accordance with University policy will be given to veterans who apply for it. Veterans desiring such credit must make application to the Registrar's Office by completing the appropriate forms and presenting a copy of their discharge and an official statement of educational experience and training or military transcript.

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 and 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.

CLEP (College Level Examination Program)

Jacksonville State University grants credit for appropriate CLEP scores. Students enrolling or enrolled at Jacksonville State University who are interested in attempting College Level Examinations should consult Counseling and Career Services on the third floor, Theron Montgomery Building.

The maximum credit attainable by CLEP is 31 semester hours for the general examinations and 15 semester hours for the subject examinations.

A student may not receive CLEP credit for any previously attempted college course or for a basic course in those in which he/she has acceptable college credit for more advanced courses. No examination may be repeated in an attempt to receive credit.

CLEP Policy

Students enrolled at Jacksonville State University may be awarded college credit on the College-Level Examination Program (CLEP). The test scores are equated with specific courses in the current Jacksonville State University catalog.

Contact Counseling and Career Services on the third floor of the Theron Montgomery Building (305 TMB) for an application and to register for the CLEP. *It is the student's responsibility to ascertain eligibility for possible award of CLEP credit. A student is not eligible to receive CLEP credit for course(s):*

1. if earned academic credit has been accepted by Jacksonville State University for that course.
2. if course attempted by CLEP has been previously attempted at a collegiate institution.
3. in those areas where earned academic credit for more advanced courses has been earned – resident transfer. (If in doubt, consult with Registrar's Office before you register for CLEP.)
4. by repeating CLEP examinations.

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).

Examinations and Credit Awarded

I. CLEP GENERAL EXAMINATIONS

Students may earn up to 31 semester hours credit in the basic liberal education courses (CORE) by achieving a minimum scaled score of 500 on all General Examinations on the College-Level Examination Program.

CLEP	Minimum Score For Credit	JSU Course	Hours Credit	JSU Course	Hours Credit
* English Composition	50	EH 101	3	EH 102	3
* Natural Sciences	50	BY 103	4	Physical Science	3
* College Mathematics	50	Math Elective (100 Level)	3	Math Elective (100 Level)	3
* Humanities	50	Humanities Elective (100 Level)**	6	General Elective (100 Level)	3
* Social Science & History	50	HY 101 (100 Level)	3	Social Science	3

* Two semester credit

**Fulfills Fine Arts requirement for core curriculum (Effective 8/98)

II. CLEP SUBJECT EXAMINATIONS

Students may earn 15 semester hours in specific subject areas corresponding to semester or full-year courses on any of the Subject Examinations of the CLEP in accordance with the stated policy. A minimum scaled score of 50 shall be used to qualify a student for credit in the following subject examinations with the exception of French, German, and Spanish (see individual listings for clarification).

Subject Examination	Minimum Score For Credit	JSU Course	Hours Credit
* Accounting Principles	50	ACC 200, 210	6
Algebra, College	50	MS 112	3
American Government	50	PSC 100	3
American History I: Early Colonization to 1877	50	HY 201	3
American History II: 1865-Present	50	HY 202	3
* American Literature	50	EH 201, 202	6
* Biology, General	50	BY 101, 102, 103, 104	8
Business Law, Introductory	50	FIN 292	3
* Calculus w/ Elementary Functions	50	MS 125, 126	8
* Chemistry, General	50	CY 105, 106, 107, 108	8
* English Literature	50	EH 203, 204	6
*** French, College	50	FH 101, 102	6
	54	FH 101, 102, 201, 202	12
* Freshman College Composition	50	EH 101, 102	6
*** German, College	50	GN 101, 102	6
	54	GN 101, 102, 201, 202	12
Information Systems and Computer Applications	50	CS 201	3
Macroeconomics Principles	50	EC 222	3
Management Principles	50	MGT 301	3
Marketing Principles	50	MKT 301	3
Microeconomics Principles	50	EC 221	3
Precalculus	50	MS 115	3
Psychology, Introductory	50	PSY 201	3
* Sociology, Introductory	50	SY 221, 223	6
*** Spanish, College	50	SH 101, 102	6
	54	SH 101, 102, 201, 202	12
Trigonometry	50	MS 113	3

Subject Examination	Minimum Score For Credit	JSU Course	Hours Credit
Western Civilization I: Ancient Near East to 1648	50	HY 101	3
Western Civilization II: 1648 to Present	50	HY 102	3

* Two semester credit

*** Requires higher score for increased credit

AP (Advanced Placement)

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 3 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.

Test	Credited Awarded	Hours
American History	HY 201, 202	6
History of Art	Art 111	3
Studio Art – Drawing	Art 134	3
Studio Art – General	Art 233	3
Biology	BY 101, 102, 103, 104	8
Chemistry	CY 105, CY 107	4
Computer Science A	CS 201	3
Computer Science B	CS 231	3
English Lang. & Comp.	EH 101 & 102	6
English Comp. & Lit.	EH 101 & 102	6
European History	HY 101 & 102	6
French Language	FH 101 & 102	6
French Literature	FH 303	3
German Language	GN 101 & 102	6
German Literature	GN 303	3
Human Geography	GY 220	3
Math: Calculus AB	MS 113 & 125	7
Math: Calculus BC	3: MS 113 & 125	7
	4: MS 125 & 126	8
Music: Listening & Lit.	MU 233	3
Music: Theory	MU 100	3
Physics B	PHS 201/202 and 211L/212L	8
Physics I C: Mechanics	PHS 211 & 211L	4
Physics II C: Elec. & Mag.	PHS 212 & 212L	4
Spanish Language	SH 101 & 102	6
Spanish Literature	SH 303	3
Gov't & Politics	PSC 101	3
Gov't & Politics (US)	PSC 100	3
Economics: Macro	EC 222	3
Economics: Micro	EC 221	3
Psychology	PSY 201	3
Statistics	MS 204	3

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.

UNIVERSITY JUDICIAL SYSTEM

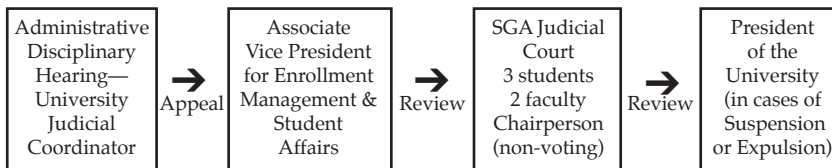
DISCIPLINARY POLICY

Jacksonville State University has both a right and an obligation to set reasonable standards of conduct for students who voluntarily and willingly choose to become members of the University community. In conjunction with its rights to set up reasonable standards, the University also assumes the right and accepts the responsibility to establish a system of judicial and disciplinary procedures to use when University policies have been violated. In turn, the University recognizes the need to insure that students have the right to due process and fair and equitable procedures in the event they are charged with a violation of University policies.

The authority which the University exercises in charging and disciplining students for violations of its regulations differs from the power exercised by civil authorities in prosecuting cases of general law. Whereas criminal courts often seek to punish or deter unlawful behavior, it is generally accepted the judicial proceedings at educational institutions are intended to impress upon individuals their responsibilities or, in the most severe cases, to remove by suspension or expulsion those who should not remain in the academic community. The federal courts have called discipline in academic settings part of the teaching/learning process. (Much of the disciplinary procedure is authorized to be administered through the Student Government Association (SGA), and the JSU Judicial Coordinator, but the University does maintain jurisdiction to prevent obstruction of its lawful mission, processes, and functions.)

Specific University Judicial Policies are outlined in the *Jacksonville State University Student Handbook*. Registration as a student at the University implies that students will familiarize themselves with and adhere to these published policies, as well as other regulations which apply to a student’s particular situation. Students are expected to obey the laws of the United States, the State of Alabama and the City of Jacksonville. The Jacksonville State University Student Handbook is available on the Internet at <http://www.jsu.edu/depart/handbook>. A hard copy may be obtained from the Office of Student Affairs, 102 Bibb Graves Hall.

Jacksonville State University has adopted a Judicial System which depends largely on the participation of students and faculty. The University Judicial Coordinator has been designated as the supervising official for the judicial system. Violations of University policies should be reported to the University Judicial Coordinator. The judicial process is out-lined as follows:



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 (1) respecting admission to any education agency or institution, (2) respecting an application for employment and (3) 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: (1) Admissions should be made to the Office of Admissions. (2) Student records should be made to the University Registrar; (3) Financial records should be made to the Vice President of Business Affairs; (4) Financial aid records should be made to the Director of Financial Aid; (5) Placement, counseling, disciplinary, health and security records should be made to the Associate Vice President for Enrollment Management & Student Affairs; (6) school and departmental records should be made to the Dean of the appropriate school; (7) employment records should be made to the Director of Human Resources.
 - (b) In the event the records are not produced for inspection as set out above, or there is some question as to the right or duty of the office to produce them for inspection, the matter shall forthwith be submitted to the head of the office involved for determination. An appeal of his decision may be made immediately to the President of the University, who may notify the Records Grievance Committee, if appropriate.
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; currently enrolled or not, major field of study; participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, 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; or 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 there-with 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 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; and 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 education 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.

- (1) Institutions do not violate FERPA by responding to such an order without student consent.
 - (2) The institution need not make a record of the disclosure, as FERPA ordinarily requires.
 - (3) 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, 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). Fax requests will be accepted with the inclusion of a Visa/Mastercard, or Discover number along with expiration date of card and the V code in addition to the aforementioned information. Transcripts may only be faxed to other institutions or potential employers. Transcripts may not be faxed to an individual due to the many questions of legal validity and real identity of the recipient of the Fax message. 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, issued directly to the student (stamped "ISSUED TO STUDENT"), or sealed in a JSU envelope "UNOFFICIAL IF ENVELOPE SEAL IS BROKEN"). Transcripts may NOT be released if the student account currently has a balance or special 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 the next business day after such occurrence. 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 and will publish at least annually its policy on release and costs of student transcripts.

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/American 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 Don Killingsworth, (256) 782-5278. Students seeking accommodations may call Disability Support Services at (256)782-8380.

UNIVERSITY DRUG FREE WORKPLACE POLICY

Jacksonville State University hereby affirms its policy of providing a drug-free work place for its employees. In furtherance of this policy, the following guidelines and sanctions have been adopted.

A. Drug Use Policy

Federal law prohibits the illegal manufacture, distribution, dispensing, possession, or use of a controlled substance in the work place. (The "work place" is defined as Jacksonville State University property, vehicles, or participation in a JSU sponsored activity away from campus.) It is the policy of JSU to comply totally with this law and in compliance will: 1) Provide each student and employee a copy of this policy; 2) Require any student convicted of any criminal drug statute violation which has occurred in the work place to notify the University Judicial Coordinator within five (5) days of the conviction; 3) Require any faculty or staff member convicted of any criminal drug statute violation which has occurred in the work place to notify the Director of Human Resources within five (5) days of the conviction.

B. Legal Sanctions

Legal sanctions for possession, use or distribution of illicit drugs and alcohol may include imprisonment for periods ranging from less than one year (for first offense) up to life imprisonment without parole (for multiple convictions) and fines ranging up to \$500,000.

C. Health Risks

Marijuana:

- 1) Use of marijuana reduces short term memory, motivation, concentration and attention span;
- 2) Infertility may be caused by the use of marijuana in both males and females;
- 3) Lung damage may result from use of marijuana.

Cocaine:

- 1) Use of cocaine may lead to addiction;
- 2) Use of cocaine may cause permanent damage to the lungs, liver, and nose;
- 3) Chest pain, heart attack, heart failure, stroke, and seizures may result from the use of cocaine.

Alcohol:

- 1) Uses of alcohol may lead to addiction;
- 2) Damage to the liver, brain, heart, and other organs may result from long-term drinking;
- 3) Harm may occur to babies whose mothers use/abuse alcohol during pregnancy (Fetal Alcohol Syndrome);
- 4) Abuse of alcohol can lead to overdose and death;
- 5) Mixing alcohol with other drugs (legal and illicit) may intensify the effects of either, making overdose more likely.

Use of drugs and/or alcohol causes impairment of judgment and motor skills which greatly increases the risks of injury or death due to accidents.

D. Drug Awareness, Counseling, and Treatment

Counseling Services offers counseling to all students, faculty, and staff at Jacksonville State University. These services are without charge. These services may include intervention and other methods of therapy. Referrals may also be made to a facility approved under our health insurance plan. These services are conducted under the strictest confidence.

E. Institutional Sanctions

- 1) Students who violate this policy will be subject to disciplinary action up to and including dismissal from the University.
- 2) Employees who violate this policy will be subject to disciplinary action up to and including discharge. If you are charged by your immediate supervisor

with an offense which may result in discharge, your case will be referred to the next level of supervision and your immediate discharge may be recommended or effected immediately. If discharged, you will not be entitled to accrued annual leave, and this action will become a part of your employment record.

DINING FACILITIES

Dining facilities are available, on an optional basis to all students, faculty, and staff. The dining hall is not open during a holiday recess or between semesters. The last meal at the end of the semester is served following the last scheduled final examination. The first meal served at the end of the holidays or vacations will be breakfast on the day classes resume.

A food court is located in the Theron Montgomery Building.

Meal plans are available from Hopper Dining Hall. See Fee Listing.

MY JSU ELECTRONIC MAIL

All JSU students are assigned a JSU e-mail address when they are accepted for admission. Access to e-mail is through an easy to use web-based interface. For more information, visit the Academic Computing and Network Support e-mail web page at <http://www.jsu.edu/dit/acns/email/index.html> or call (256) 782-5381.

ID CARD

JSU ID cards are made in the office adjacent to the Montgomery Food Court in TMB. Hours are 8:00 a.m.-4:00 p.m. Monday-Thursday and 8:00 a.m.-2:00 p.m. on Friday. 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 identification before the card can be issued.

INSURANCE

The Office of Student Life sponsors a health, injury, and major medical insurance program underwritten by Mid-West National Life Insurance Company of Tennessee. All registered students and their dependents are eligible to enroll in this insurance plan. For further information, contact the Office of Student Life, Room 402, Theron Montgomery Building, (256) 782-5491.

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 and mid-term grade reports, 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, TMB and is open from 8:00 a.m.-4:30 p.m. Monday through Friday. Mail is delivered Monday through Friday. No Saturday delivery is offered.

MOTOR VEHICLES

Jacksonville State University Police Department has the authority to promulgate and enforce rules and regulations for the operation of motor vehicles on campus. The responsibility of obtaining knowledge of parking and traffic regulations rests with the motor vehicle operator. These rules and regulations are subject to enforcement on a year-round basis regardless of whether or not school is in session.

These regulations are provided and enforced to insure the safety of drivers, pedestrians and property, as well as provide adequate parking facilities for all who drive a vehicle on the Jacksonville State University campus. A parking and traffic plan can be successful only when all faculty, staff, students and visitors abide by the governing regulations.

Each faculty, staff, and student of Jacksonville State University who operates a vehicle on campus must register their vehicle with the University Police Department. Registration is available online at police.jsu.edu. Parking rules and regulations are available online at police.jsu.edu/traffic.htm

PUBLIC SAFETY

The University provides a wide-range of public safety services to include law enforcement, security, parking, traffic enforcement, and crime prevention. Students and employees may report criminal incidents, accidents, and/or emergencies to the University Police.

**UNIVERSITY POLICE DEPARTMENT
CRIME STATISTICS**

Criminal Incidents	2005	2006	2006	2007	2008
Murder	0	0	0	0	0
Manslaughter	0	0	0	0	0
Sex Offenses, forcible	0	0	0	0	1
Sex Offenses, non-enforceable	0	0	0	1	1
Robbery	0	2	2	1	0
Aggravated Assault	1	5	5	0	0
Burglary	13	35	35	33	19
Arson	0	0	0	1	0
Hate Crimes	0	0	0	0	0
Motor Vehicle Theft	0	4	4	3	2
Thefts	75	103	103	102	120
Arrest	2005	2006	2006	2007	2008
Liquor Law Violations	17	11	11	23	17
Drug Abuse Violations	14	19	19	16	10
Weapons Possession	1	0	0	3	0

THE FCS CHILD DEVELOPMENT CENTER AT JSU

The FCS Child Development 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 Bursar's Office. Fees per child are \$500.00 for the Fall Semester, \$500.00 for the Spring Semester, and \$180.00 for the May Term. The Center is open from 7:15 a.m. to noon, Monday through Friday when JSU classes are in session. Application forms may be obtained from the Department of Family and Consumer Sciences.

CAREER SERVICES

Career Services provides cooperative education to undergraduate and graduate students as well as employment assistance to graduating seniors and alumni. These services consist of employability skills workshops, on-campus interviews, job listings at <http://jsu-csm.symplicity.com>, career fairs, corporate information, and individual counseling concerning job search strategies.

COUNSELING AND DISABILITY SUPPORT SERVICES

Counseling Services offers personal counseling for JSU students. Personal counseling is conducted in a private setting under the strictest confidence. Counselors are available on an individual or group basis. Counseling Services is the registration site for CLEP, ACT, MAT, C-Base and other examinations.

Counseling Services coordinates and advises the Peer Educators student group.

Disability Support Services (DSS) provides academic support services to all qualifying individuals as delineated by Section 504/ADA. It is the student's responsibility to self-disclose and provide appropriate documentation to DSS. DSS works with faculty and staff to facilitate the student's integration into the academic community.

MULTICULTURAL SERVICES — SGA

Multicultural Services promotes cultural diversity within the University community. The office enhances the University environment through programs and activities to develop leadership and awareness, as well as to increase understanding of diverse cultures and backgrounds.

LEARNING SERVICES

Learning Services supports academic achievement computer-assisted practice on basic and advanced skills, and ExSEL (Experiencing Success in Education and Life), a summer bridge between high school and college. Learning assistance is provided in study skills, as well as remediation for the English Competency Exam.

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 Williams Student Health Center is a primary health care facility providing outpatient medical services as well as promoting preventive health measures to currently enrolled students who have a validated ID card. Patients are seen by appointment, with the exception of emergencies. Services include health education, health screening, treatment of short-term illnesses, emergency first-aid, physical examinations, allergy injections, and family planning. Medications are available through physicians dispensing. There is no charge for consultation with the nurses or the physician; however, there are minimal charges for lab procedures and medications that are charged to the student's account. The Student Health Center does not accept monies from students.

The Student Health Center is located between Sparkman Hall and Mason Hall. Office hours are Monday through Friday, 8:00 a.m. to 4:30 p.m. A physician is available to see patients Mondays and Wednesdays 1:30-5:30 p.m. and Fridays, 8:00-12:00 noon during the Fall and Spring Semesters. During May Term, Summer I, and Summer II, a physician is available on Mondays, and Fridays 8:00-10:00 a.m. Wednesdays 1:00-3:00 p.m. A gynecologist is available Fall and Spring Semesters on Tuesdays 12:30-4:30 p.m. Call for an appointment at (256) 782-5310.

*Excuses — The Health Center does not routinely provide class absence excuses. Documentation of Health Center visits is provided by an attendance slip given to each student upon request.

INSTRUCTIONAL SERVICES UNIT

The Instructional Services Unit (ISU) is a division within the College of Education and Professional Studies that provides a variety of support services. It consists of the Teaching/Learning Center (T/LC), <http://www.jsu.edu/depart/edprof/isu/tlc.html> Learning Resource Center (LRC), <http://www.jsu.edu/depart/edprof/isu/lrc.html> Multimedia Instructional Laboratory (MIL) <http://www.jsu.edu/depart/edprof/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, on-line and 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 College of Education and Professional Studies.

HOUSTON COLE LIBRARY

The twelve-story Houston Cole Library contains most of the University library collections. The collections, which consist of over 700,000 bound volumes plus numerous periodicals, electronic books and full-text periodical databases, microforms and audio-visual materials, meet the research and curriculum 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. The maps are located in Martin Hall. 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 data-bases and many other electronic resources can be found at www.jsu.edu/library.

The library is arranged by subject on individual floors 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.

A computer lab is located on the 10th floor and each subject floor provides public access computers hardwired 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.

The Instructional Media Center, on the ground floor of the library, contains the audio-visual collection. These materials, which cover many subjects, can be previewed in the Center. Students who wish to use audio-visual materials for presentations in class may check out select materials and, with the instructor's approval, equipment. Production services include assistance in creating transparencies, slides, audio tapes, slide/tape and power point presentations, and video recordings.

Houston Cole Library is open eighty-seven hours per week when classes are in session.

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, Volleyball, Rifle, Men's Tennis, Men's Golf, Women's Golf, Baseball, and Softball.

The University offers 16 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, Indoor and Outdoor Track and Volleyball

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.

Gamecock student-athletes also excelled in the classroom as 74 student-athletes were named to the OVC Commissioner Honor Roll and 106 student-athletes posted a 3.0 grade point average or higher during the last academic year.

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 competition, on any level, to have national champ-

ionships 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.

THE INTERNATIONAL HOUSE PROGRAM

The International House program is a Department of State approved cultural exchange program with emphasis on cultural understanding. International students for this pro-gram are selected by the International Endowment Foundation, Inc., which guides the JSU International House Program. International students in this program are considered Cultural Exchange Students. 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.

Cultural Exchange Students who wish to be considered degree-seeking from the beginning of their enrollment at JSU should meet the following admission requirements:

- A. International students who have never attended college in the United States must present a minimum score of 500 or above on the paper-based, 173 on the computer-based, or 61 on the Internet based TOEFL (Test of English as a Foreign Language), taken within the last two years or a minimum score of 5.0 on the IELTS (International English Language Testing System). In lieu of the TOEFL or IELTS, an international student may present a minimum composite score of 19 on the ACT or a minimum combined critical reading and math score of 900 on the SAT for unconditional admission or a minimum composite score of 16 on the ACT or a minimum combined critical reading and math score of 750 on the SAT for conditional admission. These test scores should be sent to JSU directly from the testing agency. The minimum ACT and SAT score requirement will increase for the 2010 fall applicants to an ACT score of 20 or SAT score of 950 for unconditional admission and an ACT score of 17 or SAT score of 830 for conditional admission). **Students who have not attended secondary school in eight or more years or are 25 years of age are exempt from this test score requirement.**
- B. International students who have attended a regionally accredited institution in the United States must present official transcripts from each institution attended. Test score requirements may be waived if the student has at least 24 acceptable semester hours. Students who do not meet the 24 hour requirement must meet the requirements listed above in (A).

Cultural Exchange Students who do not choose to be degree-seeking students before enrolling at JSU must meet requirements if they wish to remain at JSU after completion of the cultural exchange program. These students may do so by meeting A or B listed above or by completing 24 college level semester hours at JSU.

Each year forty undergraduate students are accepted as members of this unique under-taking. Approximately one-half of the members are foreign students and the remainder are Americans. Members of the International House Program must be enrolled as full-time students in the University. Although not mandatory, foreign language study is encouraged. 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:

- a. Knowledge of the cultures of countries of the world.
- b. Understanding and appreciation of different cultural values and systems.

- c. Coordinating the activities of the students, American and foreign, into the total academic and social life of the University and community.
- d. 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: e-mail jkettere@jsu.edu or write: Director, International House Program, 700 Pelham Road North, Jacksonville State University, Jacksonville, AL 36265.

INTERNATIONAL PROGRAMS AND SERVICES

The Office of International Services and 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; and promotion of opportunities available to experience and enjoy American culture and the unique traits of JSU.

This office provides support to JSU students who 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.

Persons wishing additional information about the Office of International Programs and Services 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) teaches English to people whose first language is not English. The program prepares students for academic success on an American campus, both in terms of English language and cultural awareness. The ultimate goal for most ELI students will be to gain entry into JSU or another post-secondary institution in the United States. The ELI curriculum covers five areas of study: reading/writing, listening/speaking, language structure, oral communication, and cultural study electives. Please consult the English Language Institute's website at www.jsu.edu/eli for more information concerning the program.

SUMMARY OF DEGREES AND GENERAL STUDIES REQUIREMENTS

Jacksonville State University offers six 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. Students may be awarded multiple majors within a 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 Catalogue at the time of enrollment in the additional degree program. 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 (64 SEMESTER HOURS)

Area I Written Composition (6 semester hours)

Course Number	Course Title
EH 101	English Composition I
EH 102	English Composition II
EH 103	Honors English Composition II
EH 104	Honors English Composition II

Area II Humanities and Fine Arts (12 semester hours)

Major departments specify which courses are required. As part of the General Studies Curriculum, students must complete a 6-semester hour sequence in either literature or history.

Course Number	Course Title
ART 202	Art Appreciation
DR 242	Introduction to Theatre
EH 141	Oral Communication
EH 201	American Literature I
EH 202	American Literature II
EH 203	English Literature I
EH 204	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
GN 101	Beginner's German I
GN 102	Beginner's German II
GN 201	Intermediate German I
GN 202	Intermediate German 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

Area III Natural Sciences and Mathematics (11 semester hours)

Major departments specify which courses are required. Students must complete at least 3 semester hours in mathematics as required by major and at least 8 semester hours in the natural sciences which must include laboratory experiences.

Course Number	Course Title
BY 101 & 103	Introductory Biology I & Lab
BY 102 & 104	Introduction to Biology II & Lab
CY 105 & 107	General Chemistry I & Lab
CY 106 & 108	General Chemistry II & Lab
CY 201	Chemistry for Liberal Arts & Lab
CY 202	Chemistry for Liberal Arts & Lab
GL 241 & 243	Physical Geology & Lab
GL 242 & 244	Historical Geology & Lab
GY 250 & 252	Physical Geography: Atoms Patterns
GY 251 & 253	Physical Geography: Lands Patterns
MS 110	Finite Math
MS 112	Precalculus Algebra
MS 113	Precalculus Trigonometry
MS 115	Precalculus Algebra and Trigonometry
MS 120	Business Calculus
MS 125	Calculus I
MS 126	Calculus II
MS 227	Calculus III
PHS 201 & 203	College Physics I & Lab
PHS 202 & 204	College Physics II & Lab
PHS 211 & 213	University Physics I & Lab
PHS 212 & 214	University Physics II & Lab
PHS 271	Elements of Astronomy I
PHS 272	Elements of Astronomy II

Area IV History, Social, and Behavioral Sciences (12 semester hours)

Major departments specify which courses are required. (As part of the General Studies Curriculum, students must complete a 6-hour sequence either in literature or history.)

Course Number	Course Title
AN 224	Introduction to Anthropology
EC 221	Principles of Economics I
EC 222	Principles of Economics II
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 (23 semester hours)

Major departments specify required courses and/or electives.

MAJOR/MINOR REQUIREMENTS/ELECTIVES
TOTAL:

Minimum 64 hours
Minimum 128 hours

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 B.A. degrees may be selected from any field in which majors are offered with the exceptions of physical education, computer science and computer information systems, family & consumer science, criminal justice, accounting, management, marketing, mathematics, finance, education, social work, and teaching fields. Minor may be selected from any fields in which minors are offered. Students may not take as a second (double) major a subject not permitted as a major 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 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: finance, biology, economics, family and consumer sciences, recreation, exercise science and wellness, management, marketing, accounting, computer science, computer information systems, chemistry, mathematics, physics, geography, sociology, psychology, criminal justice, computer integrated manufacturing systems technology, electronics technology, occupational safety and health, and technology.

Students may not take as a second (double) major a subject not permitted as a major 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. Students may not take as a second (double) major a subject not permitted as a major in this degree

BACHELOR OF SCIENCE IN EDUCATION

The requirements for various degrees in education vary considerably. See the section entitled College of Education for the requirements of degrees in Early Childhood Education, Elementary Education, Family & Consumer Science Education, Secondary Education, Physical Education, Health Education and Collaborative Education. Information regarding teaching fields may be found under the respective department or college.

BACHELOR OF SCIENCE IN NURSING

The requirements for the Bachelor of Science in Nursing (B.S.N.) are listed in the section entitled Lurleen B. Wallace College of Nursing and Health Sciences. Programs of study are listed for both general students and licensed registered nurses seeking degree completion.

PRE-ENGINEERING

Students entering pre-engineering will consult their engineering advisor and the program outlined under the Department of Technology and 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, as well as various paramedical programs including physician assistant. 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, OCAT, 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 their academic studies and a high degree of competitiveness that has been achieved through activities that demonstrate critical thinking and problem-solving skills, such as under-graduate research.

The student 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 (8 semester hours or more). Advanced course work in biology and/or chemistry is highly recommended. Admission requirements to specific schools do vary; therefore, the student who is considering a health profession as a career must seek advice from a **pre-health professional advisor** very early in their course of study. The student should plan their academic program carefully, taking the specific courses required for admission to their school of choice. To insure a successive and positive academic experience, the student should maintain a close working relationship with their advisor. For this purpose, Jacksonville State University maintains a Health Careers Office in the Biology Department. Additional information on careers in the health professions may be found online at <http://www.jsu.edu/depart/biology.html>.

PRE-LAW COURSES

There is no single prescribed course of study which pre-law students must follow in order to gain admission to law school. The course most generally recommended is a Bachelor of Arts degree with a major in one of the social sciences. Majors in political science and economics are especially recommended as they provide the lawyer with an excellent back-ground for relations with government and business.

In addition to having an undergraduate degree, pre-law students are required to take the Law School Admission Test (LSAT) prior to entering law school. This should be done early in the student's senior year. Application forms for taking the LSAT may be secured from the Head of the Political Science Department.

HONORS PROGRAM

In keeping with the University's mission of serving the academic needs of a diverse student population, the Honors Program was established to provide 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 eighteen hours or more of Honors courses.

JSU offers Honors courses in the arts, humanities, sciences, social sciences, and mathematics, which fulfill freshman and sophomore course requirements. Incoming students are invited for admission to the Honors Program based on ACT or SAT test scores. Since test scores may not always provide a complete picture of ability, students may consult with the department head about enrolling in Honors classes.

For further information, contact the Director of the Honors Program, College of Arts and Sciences, Jacksonville State University, 700 Pelham Road North, Jacksonville, AL 36265 or email Honors@jsu.edu.

COLLEGE OF ARTS AND SCIENCES

Dean: J. E. Wade
Associate Dean: Lisa Williams

MISSION

The College of Arts and Sciences offers courses in humanities, arts, and sciences 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 and master's degrees. The College 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 College strives continuously for academic excellence, while keeping in mind the needs of its students.

Requirements for Admission to the College of Arts and Sciences

Benchmarks for Success

NOTICE

All new Arts and Sciences majors must meet the Benchmarks-for-Success standard. A new student entering the University in Arts and Sciences is defined as a freshman, transfer student, or a change of major from another College to Arts and Sciences.

Prior to admission to a degree program in the College of Arts and Sciences and prior to enrollment in any upper-level (300+) coursework beyond 80 semester hours, the student must meet the following criteria:

1. A minimum overall 2.0 GPA for the first 80 semester hours must be achieved;
2. English 101 and 102, or official transfer equivalents, must be successfully completed by 80 semester hours;
3. The English Competency Exam (ECE) must be attempted by 80 semester hours; failure to complete successfully the ECE by 96 semester hours voids the student's admission into the College, and no further upper-level coursework may be taken and
4. All math requirements for the degree program must be successfully completed by 80 semester hours.

Upon completion of the benchmarks by 80 semester hours, and following department review and approval, students will be provisionally accepted to enter a degree program in the College of Arts and Sciences. Full admission to the degree program is contingent upon completion of all requirements.

Transfer students entering with 80 or more hours who have not completed the required benchmark coursework must enroll in these courses in the first semester of study at Jacksonville State University and subsequently until all benchmark deficiencies are removed. Additionally, transfer students with 80 or more hours must register for and take the English Competency Exam in the first semester of eligibility.

BACHELOR OF ARTS WITH A MAJOR IN LIBERAL STUDIES

Jacksonville State University offers a Bachelor of Arts with a major in Liberal Studies. This degree program tends to meet academic needs not ordinarily available in other degree programs of the University. A Bachelor of Arts with a major in Liberal Studies requires a total of 128 semester hours, of which 52 hours must be at the 300 or 400 level. A minimum of 32 hours must be completed in residence at JSU. All academic regulations of the University must be met. For additional information, including approved courses, see the Liberal Studies Advisor, Dept of History, Stone Center or email LiberalStudies@jsu.edu.

DEPARTMENT OF ART (ART)**Accredited by the National Association of Schools of Art and Design****Member of College Art Association****HAMMOND HALL and CARLISLE FINE ARTS BUILDING****Department Head: Jauneth Skinner****Professors: Cadwallader, Henricks, Loucks, Shaw, Skinner****Assistant Professors: Clark, Kesler, McElroy, Wedler**

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 with a studio concentration or a Bachelor of Fine Arts degree. Studio areas are offered in painting, drawing, printmaking, ceramics, photography, and graphic design.

The Bachelor of Arts degree is a flexible program which includes the general studies curriculum, a major in art with a studio concentration, and a minor field. The major area consists of 48 hours of approved art courses including ART 111, 112, 134, 233, 234, 240, and 499, 6 hours of upper level art history, and 21 hours of studio courses numbered 300 or above. 12 hours must be taken from one studio area with course work in at least two other areas. Please refer to the Bachelor of Arts in Art Plan of Study for all general studies and Art Department course requirements.

The Bachelor of Fine Arts degree is a professional advanced undergraduate curriculum incorporating a studio area of emphasis of 18 hours and study in at least two other studio areas. The B.F.A. degree includes the University general studies curriculum and 84 hours of approved art courses, including 18 hours of art history. Foreign language is recommended to fulfill the fine arts requirement in the general studies curriculum. To apply for candidacy to the B.F.A. program, a student must meet the following requirements: complete ART 111, or 112, complete ART 134, 233, 234, and 240, complete 12 hours of general studies curriculum, and have a minimum 2.50 GPA overall and a minimum 3.00 overall in the major. All potential candidates must present a portfolio of work from their courses for formal review by the Art Department faculty for approval prior to entrance to the B.F.A. program. All students accepted into 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.

A MINOR IN ART consists of 21 hours of approved art courses which include ART 134, 233, 234, 240, 3 hours in art history (202 recommended), and 6 hours of studio courses numbered 300 and above.

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.

All art students are required to seek advisement each semester from the department head or faculty advisor and become familiar with the general and specific degree requirements for the degree which they are seeking. Students majoring in Art will be required to present a portfolio of their work for faculty review by the end of their sophomore year. The Department of Art reserves the right to select class projects for a permanent collection. All majors will participate in a senior exhibit of work from upper class studios prior to graduation. Art majors are required to have completed ART 134, 234, 233, 240, and a portfolio review before enrolling in 400 level studio classes.

DEGREE REQUIREMENTS

The Bachelor of Arts and the Bachelor of Fine Arts degrees offered by the Department of Art require an overall minimum of 128 semester hours comprised of the following

sub-requirements: a minimum of 12 hours of 300/400 courses at JSU in the major, a minimum of 6 hours of 300/400 level courses in the minor (BA) at JSU, 41 hours of general studies courses, 23 hours of support courses (BA), and a minimum of 52 hours of 300/400 level courses which include those required in the major and minor. A student must earn a minimum of 2.0 GPA overall and on campus and a "C" or better in each of his/her major and minor courses.

**PLAN OF STUDY
BACHELOR OF ARTS**

MAJOR: ART

FRESHMAN YEAR

Fall	Spring
EH 101 3	EH 102 3
Natural Science. 4	Natural Science 4
Soc./Behavioral S. 3	Math 110 or 112. 3
ART 134 3	ART 234 3
ART 233 3	ART 240 3
16	16

SOPHOMORE YEAR

Fall	Spring
Literature Sequence 3	Literature Sequence 3
History 3	Fine Arts 3
Studio 3	ART HY 112. 3
ART HY 111. 3	Studio 3
Minor/electives 3	Minor/electives 3
15	15

Complete English Competency Exam and Portfolio Review

JUNIOR YEAR

Fall	Spring
Soc./Behavioral S. 3	Minor/Electives 3
Humanities 3	Soc./Behavioral S. 3
ART HY 300+ 3	ART HY 300+ 3
Studio 3	Studio 3
Minor/electives 3	Minor/electives 3
Minor/electives 3	Minor/electives 3
18	18

SENIOR YEAR

Fall	Spring
Minor/electives 3	Minor/electives 3
Minor/electives 3	ART 499 Senior Seminar 3
Studio 3	Studio 3
Studio 3	Minor/electives 3
Minor/electives 3	Minor/electives 3
15	15

**PLAN OF STUDY
BACHELOR OF FINE ARTS**

MAJOR: ART

FRESHMAN YEAR

Fall	Spring
EH 101 3	EH 102 3
Natural Science 4	Natural Science 4
Soc/Behavioral S 3	Math 110 or 112 3
ART 134 3	ART 234 3
ART 233 3	ART 240 3
16	16

SOPHOMORE YEAR

Fall	Spring
Literature Sequence 3	Literature Sequence 3
History 3	Studio 3
Studio 3	ART HY 112 3
ART HY 111 3	Studio (ART 334) 3
Studio (ART 340) 3	Studio 3
15	15

Complete English Competency Exam and Application to BFA Program

JUNIOR YEAR

Fall	Spring
Soc/Behavioral S. 3	Elective 3
Fine Arts 3	Social/Behavioral S. 3
ART HY 300+ 3	ART HY 300+ 3
Studio 3	Studio 3
Studio 3	Studio 3
Studio 3	Studio 3
18	18

SENIOR YEAR

Fall	Spring
Humanities 3	ART HY 300+ 3
ART HY 300+ 3	ART 488 Senior Seminar 3
Studio 3	Studio 3
Studio 3	Studio 3
Studio 3	Studio 3
15	15

DESCRIPTION OF COURSES

ART

111. **Survey of Western Art I (3).** A study of the major visual arts from the Prehistoric Period to the Middle Ages.
112. **Survey of Western Art II (3).** A study of the major visual arts from the Renaissance to the Contemporary World.
134. **Drawing I (3).** Practice in different basic drawing techniques and media.

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.
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.
233. **Design I (3).** Two dimensional projects related to design principles, theories, and techniques.
234. **Drawing II (3).** *Prerequisite: ART 134.* Concentration upon the refinement of technical proficiency with emphasis on the expressive potential of drawing media.
240. **Design II (3).** *Prerequisites: ART 134 and 233.* Advanced problems in two-dimensional and three-dimensional design, theories, and techniques.
303. **Beginning Painting (3).** *Prerequisites: ART 134 and ART 233.* Introduction to formal and technical problems of painting with an emphasis on fundamental concepts and practices.
309. **Ceramics I (3).** Problems in designing, glazing, and firing ceramic objects.
319. **Beginning Sculpture (3).** *Prerequisites: ART 134 and ART 240.* Introduction to three-dimensional design problems and sculpture media.
329. **Beginning Graphic Design (3).** *Prerequisites: ART 134 and ART 233.* 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.
334. **Drawing III (3).** *Prerequisites: ART 134 and ART 234.* Concentration on rendering the human form.
336. **Advanced Drawing IV (3).** *Prerequisites: ART 134, 234, 334.* The study of advanced aesthetic and technical skill in drawing. The emphasis will be on the student's individual expression.
340. **Design III (3).** *Prerequisites: ART 233, 240.* Study of color theories and their application to design.
362. **Beginning Printmaking (3).** *Prerequisites: ART 134 and ART 233.* Fundamentals of printmaking. Studio work in woodcuts, etching, and serigraph.
369. **Beginning Photography (3).** Introduction to basic black and white photography and darkroom techniques with emphasis on aesthetic qualities of photography.
374. **19th Century Art History (3).** *Prerequisites: EH 101, 102 and ART 111, 112.* Painting, drawing, and printmaking in the nineteenth century are studied through slide lectures. Offered alternate semesters.
385. **Modern Art to 1945 (3).** *Prerequisites: EH 101, 102, and ART 111, 112 or equivalent.* A study of the major visual arts from the end of the nineteenth century to 1945.
386. **Modern Art Since 1945 (3).** *Prerequisites: EH 101, 102 ART 111, 112.* This course is designed to investigate the history of art from 1945 to the present.
389. **American Art and the Old South (3).** *Prerequisites: EH 101, 102 and ART 111, 112 or equivalent.* A survey of American art history with emphasis on the traditions of the South.
391. **Watercolor (3).** *Prerequisites: ART 134 and 233.* Watercolor 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 nine semester hours.
394. **Primitive and Non-Western Art (3).** *Prerequisites: EH 101, 102 and ART 111, 112 or equivalent.* This course will investigate a series of primitive and non-western cultures through their artistic monuments.

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.
403. **Painting II (3).** *Prerequisites:* ART 234, 240, 303. Advanced work in painting with an emphasis on creative expression and a further development of basic concepts and fundamentals.
404. **Painting III (3).** *Prerequisite:* ART 403. Advanced work in painting with an emphasis on creative expression and a further development of basic concepts and fundamentals.
405. **Advanced Painting IV (3).** *Prerequisite:* ART 404. The study of advanced comprehensive approaches to current painting. The emphasis will be on the development of the individual student's originality in problem solving.
409. **Ceramics II (3).** *Prerequisite:* ART 309. Advanced problems in ceramics.
410. **Ceramics III (3).** *Prerequisite:* ART 409. Further advanced problems in ceramics.
413. **Advanced Ceramics IV (3).** *Prerequisites:* ART 410. The study of advanced aesthetic and technical skills in ceramics. The emphasis will be on the student's individual approach and originality.
419. **Sculpture II (3).** *Prerequisite:* ART 319. Advanced work in sculpture with emphasis on dynamic spatial form.
420. **Sculpture III (3).** *Prerequisite:* ART 419. Advanced work in sculpture.
429. **Graphic Design II (3).** *Prerequisites:* ART 111, 112, 234, 240, 329. *May be taken with ART 329.* Introduction to typography. The history of writing and type. Projects emphasize spatial problems and communicative value of type, with digital page layout problems.
430. **Graphic Design III (3).** *Prerequisite:* ART 429. Development of design process and methodology. Visual systems, sequencing, and series. Applied projects include identity systems and brochure design. Illustration/vector art software.
431. **Advanced Graphic Design IV (3).** *Prerequisites:* ART 430. Information design, package design, and advanced type and image problems. Image manipulation software.
432. **Introduction to Letterform Design (3).** *Prerequisites:* ART 429. Introduction to the design of letterforms with emphasis on tradition and aesthetics. Letterforms developed from drawing through to digitization.
433. **Introduction to Web Page and Site Design (3).** *Prerequisites:* ART 430 or *permission of instructor.* Introduction to web page and site design for the graphic designer. Equal emphasis on functional, technical, and aesthetic values.
434. **Graphic Design Workshop (3).** *Prerequisites:* ART 429, ART 431 or *permission 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.
450. **Art Theory (3).** *Prerequisite:* 3 hours of 300 level Art History. An investigation of the theoretical background associated with artistic production.
462. **Printmaking II (3).** *Prerequisite:* ART 362. Advanced problems in printmaking.
463. **Printmaking III (3).** *Prerequisite:* ART 462. Further advanced problems in printmaking.
464. **Advanced Printmaking IV (3).** *Prerequisite:* ART 463. Advanced problems in printmaking utilizing traditional and experimental techniques. The emphasis will be on developing the student's individual approach.
469. **Photography II (3).** *Prerequisite:* ART 369. Introduction to color and advanced black and white photography, with emphasis on the technical and aesthetic aspects of photography.

470. **Photography III (3).** *Prerequisite:* ART 369. Advanced use of color and black and white photography as fine art. Emphasis is on the use of advanced techniques and on personal expression.
471. **Advanced Photography IV (3).** *Prerequisites:* ART 469, 470. The study of advanced aesthetic and technical skills in black and white, color, and other photographic mediums. The emphasis will be on individual originality.
472. **Basic Digital Photography (3).** *Prerequisites:* 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.
479. **Independent Study in Art History (3).** *Prerequisite:* *Permission of instructor and department head.* 12 hours (300+) of Art History. Selected topics to be coordinated with instructor. This course may be repeated for credit up to a maximum of 12 hours.
481. **Internship Graphic Design (3).** *Prerequisites:* ART 429, 430, Senior standing. Students will receive on-the-job training and experience in an area of their specialization. May be duplicated for credit for a total of nine (9) semester hours.
484. **Current New York Art Museum (3).** A study of New York art exhibitions and collections 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.
486. **Internship in Museum Work (3).** *Prerequisite:* 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.
488. **BFA Seminar (3).** *Prerequisites:* *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.
- 490, 491, 492, 493, 494, 495, 496. **Advanced Independent Study (3) (3) (3) (3) (3) (3) (3).** *Pre-requisite:* *Completion of studio emphasis and permission of instructor and department head.* 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.
499. **BA Senior Seminar and Exhibit (3).** *Prerequisite:* *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.

DEPARTMENT OF BIOLOGY (BY)

242 MARTIN HALL

Department Head: Frank Romano

Professors: Al-Hamdani, Benton, Cline, Debro, Romano, Whetstone

Associate Professors: Blair, Hamissou, Meade, Rayburn, Sauterer

Assistant Professors: Carter, Murdock

The Department of Biology offers a diverse spectrum of undergraduate courses in the biological sciences that enables a student to develop an understanding and appreciation of life – from molecular to ecological – and to develop a 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 under-graduate research in the biological sciences.

The **Bachelor of Science** degree with a **Major in Biology** requires an overall minimum of 128 hours with a minimum of 52 hours of 300/400 courses. The **Major in**

Biology requires a minimum of 39 hours in biology and 24 hours in supporting courses. It also requires an approved minor of 18 hours or more. At least 12 hours of the 300/400 courses for the major and 6 hours for the minor must be taken in residence at JSU. Once the student has met the requirements for the major and minor, the hours remaining to complete the 128 hours overall and 52 hours of 300/400 will be classified as electives. A student must earn a 2.0 GPA overall and on campus. The Bachelor of Science degree with a major in Biology is for those who intend to pursue careers in health professions (medicine, veterinary science, dentistry, pharmacy, physical therapy) graduate programs (M.S., Ph.D.), biological education, biomedical sciences, biotechnology, conservation biology, environmental biology, organismal biology, marine biology, industrial professions (lab managers, consulting, etc.), or 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.

The **Ecology/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 **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 **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.

The **Animal Biology** or the **Program in Plant Biology** is intended for those majors who plan graduate study in organismal biology or who plan to pursue careers in biological education or conservation biology or as a naturalist.

The **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.

The Department also offers a **Minor in Biology** and **Special Studies**.

Advising—Students who plan to earn the B.S. degree in Biology must consult with the Department of Biology for advisement early in their plan of study and every semester thereafter. New students should consult the Department's freshman advisor before or during their first semester. Pre-Health Professional advisees are required to attend scheduled advising sessions that are announced on the departmental webpage. Transfer students should meet with either the Department's transfer advisor or a program advisor before or immediately upon transferring.

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 on the Internet at www.jsu.edu/depart/biology.

The **Bachelor of Arts Degree** with a **Major in Biology** requires a minimum of 128 hours with a minimum of 52 hours of 300/400 courses. The Major in Biology requires a minimum of 39 hours in Biology and 14 hours in supporting courses, including 6 hours of a foreign language. It also requires an approved minor of 18 hours or more. At least 12 hours of the 300/400 courses for the major and 6 hours for the minor must be taken in residence at JSU. Once the student has met the requirements for the major and the minor, the hours remaining to complete the 128 hours overall and 52 hours of 300/400 will be classified as electives. A student must earn a 2.0 GPA overall and on campus. At the beginning of the sophomore year, students considering this Degree Program (BA vs. BS) should consult with the Biology Department Head or their Biology Faculty Advisor. There are two Concentrations within the Biology **Bachelor of Arts** degree.

The **Naturalist Concentration** is for those majors that are seeking careers in forest or park management; or as environmental interpreters or park naturalists. Students in this concentration are required to have a minor in Law Enforcement and take Spanish to meet the foreign language requirement.

The **General Biology Concentration** under the **Bachelor of Arts** degree is for majors interested in careers in sales for chemical, pharmaceutical, and biological supply companies or book companies; biological illustration; or education. Students in this concentration have a choice of minors and foreign language. Students who plan careers in education should contact the Teacher Service Center in the College of Education, Ramona Wood Hall, Room 207, for information on certification and admission to education.

The Major in Biology (BS or BA)

The requirements in biology for the major are

- | | |
|--|---------------|
| a. Freshman Biology Sequence: BY 101, 102, 103 and 104 | 8 hrs |
| b. Biology Core Courses: BY 322 (Genetics), BY 332 (Ecology) and BY 373 (Cell Biology) | 12 hrs |
| c. Introduction to Research: BY 370 | 2 hrs |
| d. Biology courses to be selected from each of the following groups: | |
| Group I — Approved courses in cellular, physiological or developmental biology | 4 hrs |
| Group II — Approved courses in organismal biology | 4 hrs |
| e. Senior Seminar: BY 496 | .1 hr |
| f. Other requirements and/or electives: | 8 hrs |
| TOTAL hours in Biology | 39 hrs |
| g. Required support courses. | 14-24 hrs |

The specific biology courses, approved Group I and II courses, support courses and total hours required for the Biology major vary according to the specific concentration chosen. The requirements for each Concentration are outlined in the "Plan of Study" which follows "Course Descriptions." **No more than 1 hour each of BY 327, BY 397, BY 427, and BY 489 can be applied to the Biology major.**

DEPARTMENTAL MINORS

MINOR IN BIOLOGY

A **Minor in Biology** comprises a minimum of 24 hours that shall include BY 101, 102, 103, 104, 322, 332, 373 and 4 additional hours of approved biology courses at or above the 300 level. A minor in Biology may not be taken in conjunction with a major in Biology.

MINOR IN SPECIAL STUDIES

A **Minor in Special Studies** comprises 24 hours. This must include at least 13 hours of approved biology and at least 11 hours of approved courses from other disciplines. A minor in Special Studies must be taken in conjunction with a major in Biology, with written approval of the head, Department of Biology. Courses taken to satisfy requirements for the Biology major may not be counted as credit towards this minor. See the Biology Program advisor for assistance with this minor.

DESCRIPTION OF COURSES

BIOLOGY (BY)

101. **Introductory Biology I (3).** *Corequisite: 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.
102. **Introductory Biology II (3).** *Prerequisite: BY 101; Corequisite: BY 104.* 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.
103. **Introductory Biology Lab I (1).** *Corequisite: BY 101.* One two-hour laboratory per week. This course reinforces lecture materials and must be taken concurrently with BY 101.

104. **Introductory Biology Lab II (1).** *Prerequisite: BY 103. Corequisite: BY 102.* One two-hour laboratory per week. This course reinforces lecture material and must be taken concurrently with BY 102.
105. **Honors Introductory Biology I (3).** *Prerequisite: Admission to the Honors Program or permission of the instructor. Substitutes for BY 101. Corequisite: BY 107.* 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.
106. **Honors Introductory Biology II (3).** *Prerequisite: Successful completion of BY 105 or permission of the instructor. Substitutes for BY 102. Corequisite: BY 108.* 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.
107. **Honors Introductory Biology Lab I (1).** *Prerequisite: Admission to the Honors Program or permission of the instructor. Substitutes for BY 103. Corequisite: BY 105.* One two-hour laboratory per week. This course reinforces lecture materials with hands-on creative laboratory exercises and must be taken concurrently with BY 105.
108. **Honors Introductory Biology Lab II (1).** *Prerequisite: Admission to the Honors Program or permission of the instructor. Substitutes for BY 104. Corequisite: BY 106.* 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.
263. **Human Anatomy and Physiology (4).** *Prerequisite: 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.
264. **Human Anatomy and Physiology (4).** *Prerequisite: 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.
283. **Health Microbiology (4).** *Prerequisite: 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.
301. **Field Zoology (3).** *Prerequisites: BY 101, 102, 103, 104.* Lecture, laboratory, and field study. Collecting and identifying animals and noting ecological conditions.
302. **Field Botany (3).** *Prerequisites: BY 101, 102, 103, 104.* Lecture, laboratory, and field study. The laboratory work will involve the collection and identification of native plants of Alabama.
303. **Biological Conservation (3).** *Prerequisites: BY 101, 102, 103, 104.* A contemporary and historical study of biological conservation in America.
320. **Comparative Vertebrate Anatomy (4).** *Prerequisites: BY 101, 102, 103, 104.* Lecture and laboratory. The comparative study of vertebrate organ systems supplemented in laboratory with the dissection of selected vertebrates.
322. **Genetics (4).** *Prerequisites: BY 101, 102, 103, 104.* Lecture and laboratory. Important facts, laws, theories, and methods used in the study of genetics.
323. **Microbiology (4).** *Prerequisites: BY 101, 102, 103, 104.* Lecture and laboratory. General microbiology, including methods of culture and identification of some of the most common types of microorganisms.

327. **Directed Studies in Biology (1).** *Prerequisite:* 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. (Grade of Pass/Fail only).
332. **Ecology (4).** *Prerequisites:* BY 101, 102, 103, 104. *Prerequisite or corequisite:* MS 112 or higher. Lecture, laboratory, and field study. The association and distribution of organisms in relation to the major environmental factors.
340. **Discovering Genomics and Bioinformatics (4)** *Prerequisites:* CS 230 and BY 322. 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 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 project 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.)
370. **Introduction to Research in Biology (2).** *Corequisite:* BY 322 or 332 or 373. Lecture and discussion. An introduction to research in biology, including discussion of the scientific method; reading, analyzing, and interpreting biological literature; experimental design and use of statistics; building and interpreting figures and tables; ethics; and developing a basic proposal for undergraduate research in biology.
373. **Cell Biology (4).** *Prerequisites:* 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.
397. **Biology Internship (1).** *Prerequisites:* 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 of Pass/Fail only).
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.
402. **Medical Microbiology (4).** *Prerequisite:* BY 283 *with permission of the instructor or* BY 323. Lecture and laboratory. The study of pathogenic bacteria, viruses, fungi, and parasites of humans and some domestic animals. Emphasis on identification of pathogens, disease processes, and public health.
403. **Immunology (3).** *Prerequisite:* BY 373. *Recommended:* BY 323. The study of immunity and how the immune system responds to specific infectious and non-infectious agents. Includes comparative immunology of invertebrate and vertebrate animals, immunological disorders, and application of immunological techniques.
405. **Animal Behavior (3).** *Prerequisite:* BY 332. Lecture, discussion, demonstration, and library study. The genetic and anatomical basis of behavior, with an emphasis on the impact of behavior on the ecology of animals.
406. **Ornithology (4).** *Prerequisite:* BY 332. Lecture, laboratory, and field study. The history, classification, anatomy, physiology, ecology, and distribution of birds, with an emphasis on field identification and ecology.
407. **Mammalogy (4).** *Prerequisite:* BY 332. Lecture, laboratory, and field study. Aspects of the biology, ecology, taxonomy, and distribution of Southeastern mammals.

412. **Plant Reproduction and Development (4).** *Prerequisites:* BY 322, 373. *Recommended:* CY 105, 106, 107, 108. Lecture and laboratory. A study of structural and functional aspects of reproductive and developmental phenomena in vascular plants.
413. **Animal Reproduction & Development (4).** *Prerequisites:* BY 322, 373. *Recommended:* CY 105, 106, 107, 108. Lecture and laboratory. A study of the structural and functional aspects of reproductive and developmental phenomena in animals, with an emphasis on the cellular and molecular mechanisms involved.
415. **Biometrics (3).** *Prerequisites:* BY 322, 332, or 373 and MS 204. An introduction to statistics for biology majors. This course will introduce students to appropriate statistics for analyzing biological data. This course will include how to select random samples, use basic statistical package(s), post-hoc statistical testing and the use of linear regression. The students will be introduced to real-world examples of statistics in ecological, toxicological, and physiological research.
422. **Biology of Cryptogams (4).** *Prerequisites:* BY 332 and 373. Lecture, laboratory, field, and library study. The study of blue-green algae, algae, slime molds, bryophytes, and lichens. Extensive field and laboratory identifications.
427. **Independent Studies in Biology (1).** *Prerequisite:* 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 or field research project dealing with an aspect of the biological sciences. Biology sponsor required for topic approval and supervision. (Grade of Pass/Fail only).
431. **Cellular Physiology (4).** *Prerequisites:* BY 373; CY 105, 106, 107, 108. *Recommended:* CY 109 or 231, 232. Lecture and laboratory. A systematic survey of cellular physiology in eukaryotic cells, with an emphasis on membranes, energetics, and genetic expression.
432. **Experimental Ecology (4).** *Prerequisite:* BY 332. *Recommended:* MS 204, CS 201. Lecture, laboratory, and field study. Experimental design and analysis of ecological data, using appropriate ecological instrumentation.
434. **Animal Systems Physiology (4).** *Prerequisites:* BY 373, CY 105, 106, 107, 108. *Recommended:* CY 109 or 231, 232; *one semester of physics.* Lecture and laboratory. A systematic survey of organ system physiology in vertebrates, with an emphasis on systems analysis, biophysics, and bioengineering.
438. **Freshwater Biology (4).** *Prerequisite:* BY 332. Lecture, laboratory, and field study. An analysis of the unique ecology and biology of the freshwater ecosystems, with extensive field work and a research project involved.
439. **Microbial Ecology (4).** *Prerequisites:* BY 323, 332. Lecture, laboratory, and field study. The microbial component of the global ecosystem, including interactions among microorganisms and between microorganisms, plants, and animals, biogeochemical cycles, and application to various technologies.
440. **Evolutionary Biology (4).** *Prerequisite:* BY 322. Lecture, laboratory, and field study. A study of the processes and mechanisms which lead to evolutionary change in the biota.
442. **General Entomology (4).** *Prerequisites:* 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.
445. **Ecotoxicology (4).** *Prerequisites:* BY 332 and BY 373. *Recommended:* BY 322. Lecture, laboratory and field study. 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. The study of how toxicants mediate interactions between organisms and their biotic and abiotic environments. Also, to study the impact and toxic effects of pollutants on diversity, growth and metabolism of living organisms, populations, communities, and the ecosystem.
450. **Molecular Biology (4).** *Prerequisites:* BY 322, 373, or permission of the instructor. Lecture and laboratory. A study of the processes involved in the expression of biological information at the molecular level. The laboratory includes methods in recombinant DNA technology.

451. **Plant Anatomy (4).** *Prerequisite:* BY 373. Lecture and laboratory. The comparative structural organization of the vegetative and reproductive parts of seed plants, from cells to tissues to systems.
452. **Plant Taxonomy (4).** *Prerequisite:* BY 322 or 332. Lecture, library, laboratory, and field study. Survey of plant nomenclature, identification systems, description, evolution, and classification, with an emphasis on vascular plants.
453. **Dendrology (3).** *Prerequisites:* BY 101, 102, 103, 104. Lecture, laboratory, and field study. The identification, taxonomy, ecological characteristics, and distribution of important North American trees.
454. **Tropical Biology (3).** *Prerequisites:* BY 101, 102, 103, 104 and permission of the instructor. An extensive field trip to study the flora and fauna of tropical regions. Advance deposit required.
455. **Plant Ecology (4).** *Prerequisite:* BY 322 or 332. Lecture, laboratory, library, and field study. The study of the major plant communities of the southeastern U.S. and their relationships with major abiotic features, including autecological field studies of plant species and populations.
458. **Herpetology (4).** *Prerequisite:* BY 332. *Recommended:* BY 320. Lecture, laboratory, and field study. The study of the taxonomy, ecology, physiology, and external anatomy of amphibians and reptiles, with an emphasis on conservation and field methodology.
460. **Ichthyology (4).** *Prerequisite:* BY 332. Lecture, laboratory, and field study. An overview of the evolution, ecology, behavior, physiology, and conservation of fishes.
473. **Advanced Cell Biology (4).** *Prerequisites:* BY 373. *Recommended:* BY 322, CY 231, 232, 362, 363. Lecture and laboratory. A study of molecular aspects of cell structures and their functions using both descriptive and biochemical approaches.
475. **Economic Botany (4).** *Prerequisites:* BY 101, 102, 103, 104. Lecture, laboratory, and field study. The collection, identification, culture, and preservation of plants for illustration and utilization in the classroom and laboratory.
476. **Invertebrate Zoology (4).** *Prerequisite:* BY 332. Lecture, laboratory, and field study. The study of the systematics, ecology, physiology, and phylogenetic relationships of invertebrate animals.
477. **Cell and Tissue Culture (4).** *Prerequisites:* BY 373 and CY 105-108. *Recommended:* BY 322, 412, 431 and CY 231. Lecture and laboratory. The study of *in vitro* manipulation of cells, tissues, and organ, both solid and suspension culture, and their application to biotechnology.
479. **Plant Physiology (4).** *Prerequisite:* BY 373. *Recommended:* BY 451. Lecture and laboratory. The study of mineral nutrition, water relations, photosynthesis, metabolism, and transport in vascular plants.
480. **Advanced Topics in Biology I (1).** *Prerequisites:* 322, 332, 373. Lecture and discussion. Topics to be posted in the Biology Department.
481. **Advanced Topics in Biology II (1).** *Prerequisites:* BY 322, 332, 373. Lecture and discussion. Topics to be posted in the Biology Department.
488. **Laboratory Practicum I (2).** *Prerequisites:* BY 322, 332, 373 and permission of the 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.**
489. **Laboratory Practicum II (1).** *Prerequisites:* BY 322 or 332 or 373, and the permission of the instructor. The organization and implementation of laboratories including the use of appropriate equipment and instructional materials. (Grade of Pass/Fail only).
496. **Senior Seminar. (1).** *Prerequisites:* 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, and should be taken in the last semester.

MARINE BIOLOGY (MBY)

In addition to the requirements for the B.S. in Biology, the Marine Biology concentration requires 16 credit hours of MBY courses which are offered during the **summer only** at the Dauphin Island Sea Lab (DISL). The following courses are required: MBY 415, MBY 486 or MBY 487, MBY 411 or MBY 423; and 4 hours of MBY Group I electives approved by JSU Marine Biology Advisor. Students interested in Marine Biology must consult with the Biology Department's Marine Biology advisor for information about the concentrations, new courses not listed below, 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.

COURSE DESCRIPTIONS (MBY)

308. **Commercial Marine Fisheries of Alabama (2).** An introduction to the commercial marine fisheries of Alabama, including life histories, harvesting technologies, processing, and economic values.
309. **Marine Biology (4).** *Prerequisites: 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.
410. **Marine Fisheries Science (4).** *Prerequisites: BY 101, 102, 103, 104.* An in-depth study of the principles and methods of fishery biology and their application to conservation. Lecture and laboratory work are included.
411. **Marine Ecology (4).** *Prerequisites: BY 101, 102, 103, 104, one year of general chemistry, one semester of general physics.* 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. Students who have not previously had marine courses may enroll; however, Marine Invertebrate Zoology (MBY 487) or Marine Biology (MBY 309) would be very helpful. Individual species will be studied as they relate to ecological principles which they exemplify, thus providing both a taxonomic and ecologic background.
415. **Marine Botany (4).** *Prerequisites: BY 101, 102, 103, 104.* A general survey 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 riches. Lecture and laboratory work will be included and a collection will be required.
416. **Introduction to Oceanography (4).** *Prerequisites: 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.
417. **Estuarine Biology (4).** *Prerequisites: BY 101-104 and CY 105-108 or PHS 201 or 211 or GL 241 or 242.* This course provides a general survey of estuarine ecosystems with particular emphasis on the interaction between physical, geological, chemical, and biological processes in these dynamic systems.
423. **Marsh Ecology (4).** *Prerequisite: Advanced undergraduate standing in biology.* A study of the floral and faunal elements of various marine marsh communities with an emphasis on the interaction of physical and biological factors. Lecture, lab, and field trips.
427. **Marine Technical Methods I (2).** *Prerequisite: Advanced undergraduate standing.* An introduction to instruments and procedures normally utilized aboard a marine research vessel. These include physical, biological, chemical, and geological parameter measurements and sample collections. Basic positioning and communication procedures are included.

428. **Marine Technical Methods II (2).** *Prerequisite: Advanced undergraduate standing.* An introduction to the laboratory methodology associated with the usual chemical parameters of nutrient analysis. The laboratory approach will be pursued, ship-board and specific practical skills developed.
435. **Coastal Zone Management (2).** *Prerequisite: Advanced undergraduate standing.* A review of ecological features and of management policies for coastal communities with a description of relevant federal and state programs.
460. **Dolphins and Whales (2).** *Prerequisites: BY 320 and MBY 486.* This course enables 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 of the order Cetacea. Lecture and laboratory.
461. **Marine Behavioral Ecology (4).** *Prerequisites: BY 332. Recommended: MS 204.* This course 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. Lecture, laboratory, and field exercises (some overnight).
462. **Marine Protozoology (4).** *Prerequisites: BY 101, 102, 103, 104 or MBY 309.* A study of the major groups of protists from a variety of marine habitats including their taxonomy, structure, and ecology of methods of identification. Lectures, laboratory, and field trips.
464. **Introduction to Neurobiology (4).** *Prerequisite: Advanced undergraduate standing.* An introduction to the neuroanatomy and neurophysiology of marine invertebrates and vertebrates. A neurosim computer package is used to help illustrate the basic principles and to allow a detailed exploration of neurophysiology and neural net-works. Lecture and lab.
486. **Marine Vertebrate Zoology (4).** *Prerequisites: BY 101, 102, 103, 104.* A study of marine fishes, reptiles and mammals, with an in-depth, comprehensive treatment of their systematics, zoogeography, and ecology. Lectures will encompass subject matter on a nonregional basis. Field and laboratory work will stress the vertebrate fauna of the northern Gulf of Mexico. Most of the courses will be devoted to fishes. Students will have an opportunity to assemble a collection of vertebrate species.
487. **Marine Invertebrate Zoology (4).** *Prerequisites: BY 101, 102, 103, 104.* An examination of the systematics, ecology, physiology, and phylogenetic relationships of locally occurring marine invertebrate taxa. Lecture, laboratory, and field work required. Opportunity to acquire collections of local fauna.
491. **Directed Research (2).** *Prerequisite: 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.

NOTE: Other Marine Science courses taught at the Sea Lab located on Dauphin Island, Alabama, include GY 329 Coastal Climatology, and GL 390 Marine Geology. Descriptions of these courses are listed under the Department of Physical and Earth Sciences.

**PLANS OF STUDY
BACHELOR OF SCIENCE**

MAJOR: BIOLOGY

I. Plan of Study: CONCENTRATION IN ECOLOGY/ENVIRONMENTAL BIOLOGY

FRESHMAN YEAR

Fall	Spring
EH 101 3	EH 102 3
BY 101 3	BY 102 3
BY 103 1	BY 104 1
CY 105 3	CY 106 3
CY 107 1	CY 108 1
HY sequence ² 3	HY sequence ² 3
Behavioral/Social Science ¹ 3	CS 201 or higher 3
17	17

SOPHOMORE YEAR

Fall	Spring
BY Core ³ 4	BY Core ³ 4
BY 370 2	EH 141 3
MS 112 or higher 3	MS elective ⁴ 3
CY 231 4	CY 232 4
EH literature ⁵ 3	EH literature ⁵ 3
16	17

JUNIOR YEAR

Fall	Spring
BY Core ³ 4	BY Group II ⁷ 4
BY Group I ⁶ 4	BY or minor electives ⁸ 4
BY or minor electives ⁸ 4	Social/Behavioral Science ¹ 3
PHS 201 3	PHS 202 3
PHS 203 1	PHS 204 1
16	15

SENIOR YEAR

Fall	Spring
BY or minor electives ⁸ 13	BY or minor electives ⁸ 13
Fine Arts ⁹ 3	BY 496 1
16	14

¹Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221

²Select from HY 101 & 102 or 201& 202

³Select from BY 322, 332, or 373

⁴Recommended elective: MS 204

⁵Select 2 from EH 201, 202, 203, 204, 219, 220, 231, or 232

⁶BY Group I: Select from BY 412, 413, 434,445,473,478,479,487

⁷BY Group II: Select from BY 320, 323, 406, 407, 422, 442, 452, 453, 458, 460 or 476

⁸All Biology majors must complete a minor. Most electives must be at 300/400 level; some electives in this program may be offered only during summer.

⁹Select from ART 202, MU 233, DR 242, or FL 101

II. Plan of Study: CONCENTRATION IN MARINE BIOLOGY

FRESHMAN YEAR

Fall	Spring
BY 101..... 3	BY 102..... 3
BY 103..... 1	BY 104..... 1
CY 105..... 3	CY 106..... 3
CY 107..... 1	CY 108..... 1
EH 101..... 3	EH 102..... 3
HY sequence ¹ 3	HY sequence ¹ 3
	CS 201 or higher..... 3
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14	17

SOPHOMORE YEAR

Fall	Spring
BY Core ² 4	BY Core ² 4
BY 370..... 2	EH 141..... 3
MS 112 or higher..... 3	MS elective ³ 3
CY 231..... 4	CY 232..... 4
EH literature ⁴ 3	EH literature ⁴ 3
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16	17

JUNIOR YEAR

Fall	Spring
BY Core ² 4	Minor electives ⁵ 7
PHS 201 & 203..... 4	PHS 202 & 204..... 4
Social/Behavioral Science ⁶ 3	Social/Behavioral Science ⁶ 3
Minor..... 3	
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14	14

**SUMMER BETWEEN JUNIOR AND SENIOR YEAR
IN RESIDENCE AT DAUPHIN ISLAND SEA LAB**

BY Group II: MBY 486 or MBY 487..... 4
MBY 415..... 4

8

SENIOR YEAR

Fall	Spring
Minor electives ⁵ 9	Minor electives ⁵ 7
Fine Arts ⁷ 3	BY 496..... 1
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12	8

**SUMMER FOLLOWING SENIOR YEAR
IN RESIDENCE AT DAUPHIN ISLAND SEA LAB**

MBY 411 or 423..... 4
MBY Group I Elective ⁸ 4

8

¹Select from HY 101 & 102 or 201 & 202

²Select from BY 322, 332, or 373

³Recommended MS elective: higher than MS 112

⁴Select 2 from EH 201, 202, 203, 204, 219, 220, 231, or 232

⁵All Biology majors must complete a minor. Most electives must be at 300/400 level; some electives in this program may be offered only during summer.

⁶Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221

⁷Select from ART 202, MU 233, DR 242, or FL 101

⁸MBY Group I elective (see Marine Biology Program Advisor for current list of approved courses)

III. Plan of Study: CONCENTRATION IN PRE-HEALTH PROFESSIONAL BIOLOGY

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
BY 101	3	BY 102	3
BY 103	1	BY 104	1
CY 105	3	CY 106	3
CY 107.....	1	CY 108.....	1
MS 112 or higher.....	3	MS elective ²	3
Fine Arts ¹	3	EH 141	3
	17		17

SOPHOMORE YEAR

Fall		Spring	
EH literature ³	3	EH literature ³	3
HY sequence ⁴	3	HY sequence ⁴	3
CY 231	4	CY 232	4
BY Core: BY 373	4	BY Core: BY 322	4
CS 201 or higher	3	Social/Behavioral Science ⁶	3
	17		17

JUNIOR YEAR

Fall		Spring	
BY Group II: BY 320	4	BY Group I: BY 434	4
BY 370	2	PHS 202 ⁵	3
PHS 201 ⁵	3	PHS 204.....	1
PHS 203	1	BY or minor electives ⁷	8
BY or minor electives ⁷	4		
	14		16

SENIOR YEAR

Fall		Spring	
BY Core: BY 332	4	BY or minor electives ⁷	12
BY or minor electives ⁷	10	BY 496.....	1
Social/Behavioral Science ⁶	3		
	17		13

¹Select from ART 202, MU 233, DR 242, or FL 101

²Recommended elective: MS 125 or higher

³Select 2 from EH 201, 202, 203, 204, 219, 220, 231, or 232

⁴Select from HY 101 & 102 or 201 & 202

⁵Student may elect to take calculus-based PHS 211/212 in place of PHS 201/202

⁶Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221

⁷All Biology majors must complete a minor. Most electives must be at 300/400 level; some electives in this program may be offered only during summer.

Also recommended: BY 323, 402, 403, 450; CY 362; minor in chemistry or special studies

IV. Plan of Study: CONCENTRATION IN ANIMAL BIOLOGY

FRESHMAN YEAR

Fall	Spring
EH 101 3	EH 102 3
BY 101 3	BY 102 3
BY 103 1	BY 104 1
CY 105 3	CY 106 3
CY 107 1	CY 108 1
HY sequence ¹ 3	HY sequence ¹ 3
Social/Behav Sci ² 3	CS 201 or higher 3
17	17

SOPHOMORE YEAR

Fall	Spring
BY Core ³ 4	BY Core ³ 4
BY 370 2	EH 141 3
MS 112 or higher 3	MS elective ⁴ 3
CY 231 4	CY 232 4
EH literature ⁵ 3	EH literature ⁵ 3
16	17

JUNIOR YEAR

Fall	Spring
BY Core ³ 4	BY Group II ⁷ 4
BY Group I ⁶ 4	BY or minor electives ⁸ 4
BY or minor electives ⁸ 4	Social/Behavioral Science ² 3
Physics 201 & 203 4	Physics 202 & 204 4
16	15

SENIOR YEAR

Fall	Spring
BY or minor electives ⁸ 13	BY or minor electives ⁸ 13
Fine Arts ⁹ 3	BY 496 1
16	14

¹Select from HY 101 & 102 or 201 & 202

²Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221

³Select from BY 322, 332, or 373

⁴Recommended elective: MS 204

⁵Select 2 from EH 201, 202, 203, 204, 219, 220, 231, or 232

⁶BY Group I: Select from BY 413, 434, 445, 473

⁷BY Group II: Select from BY301, 320, 323, 406, 407, 442, 458, or 476

⁸All Biology majors must complete a minor. Most electives must be at 300/400 level; some electives in this program may be offered only during summer.

⁹Select from ART 202, MU 233, DR 242, or FL 101

V. Plan of Study: CONCENTRATION IN PLANT BIOLOGY**FRESHMAN YEAR**

Fall	Spring
EH 101	EH 102
BY 101	BY 102
BY 103	BY 104
CY 105	CY 106
CY 107	CY 108
HY sequence ¹	HY sequence ¹
Social/Behavioral Science ²	CS 201 or higher
17	17

SOPHOMORE YEAR

Fall	Spring
BY Core ³	BY Core ³
BY 370	EH 141
MS 112 or higher	MS elective ⁴
CY 231	CY 232
EH literature ⁵	EH literature ⁵
16	17

JUNIOR YEAR

Fall	Spring
BY Core ³	BY Group II ⁷
BY Group I ⁶	BY or minor electives ⁸
BY or minor electives ⁸	Social/Behavioral Science ²
Physics 201 & 203	Physics 202 & 204
16	15

SENIOR YEAR

Fall	Spring
BY or minor electives ⁸	BY or minor electives ⁸
Fine Arts ⁹	BY 496
16	14

¹Select from HY 101 & 102 or 201 & 202²Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221³Select from BY 322, 332, or 373⁴Recommended elective: MS 204⁵Select 2 from EH 201, 202, 203, 204, 219, 220, 231, or 232⁶BY Group I: Select from BY 412, 473, or 479⁷BY Group II: Select from BY 302, 323, 422, 451, 452, or 453⁸All Biology majors must complete a minor. Most electives must be at 300/400 level; some electives in this program may be offered only during summer.⁹Select from ART 202, MU 233, DR 242, or FL 101

VI. Plan of Study: CONCENTRATION IN CELLULAR AND MOLECULAR BIOLOGY^{10, 11,12}

FRESHMAN YEAR

Fall		Spring	
BY 101.....	3	BY 102	3
BY 103.....	1	BY 104.....	1
CY 105.....	3	CY 106.....	3
CY 107.....	1	CY 108.....	1
EH 101.....	3	EH 102.....	3
MS 112 or higher.....	3	MS Elective ³	3
EH 141.....	3	Fine Arts ¹	3
	17		17

SOPHOMORE YEAR

Fall		Spring	
BY core (322 or 373) ²	4	BY core (322 or 373) ²	4
CY 231.....	4	CY 232.....	4
CS 201 or higher.....	3	Soc./Behav. Sci ⁴	3
HY seq ⁵	3	HY seq ⁵	3
EH Literature ⁶	3	EH Literature ⁶	3
	17		17

JUNIOR YEAR

Fall		Spring	
BY Group II: BY 323.....	4	BY 450.....	4
PHS 201 ⁷	3	PHS 202 ⁷	3
PHS 203.....	1	PHS 204.....	1
BY core (332) ²	4	BY or Minor electives ⁹	7
BY 370.....	2		
BY or Minor electives ⁹	3		
	17		15

SENIOR YEAR

Fall		Spring	
BY elective.....	4	BY Group I ⁸	4
BY or minor electives ⁹	8	BY or minor electives ⁹	8
Soc/Behav. Sci ⁴	3	BY 496.....	1
	15		13

¹Select from ART 202, MU 233, DR 242, or FL 101.

²BY Core

³Recommended elective: MS 125 or higher

⁴Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221

⁵Select from HY 101 & 102 **OR** 201 & 202

⁶Select 2: EH 201, 202, 203, 204, 219, 220, 231, or 232

⁷Student may take 211 and 212 (calculus based)

⁸BY Group I: Select from 412, 413, 473

⁹All Biology majors complete a minor. Most electives must be at 300/400 level

¹⁰A chemistry minor, including Biochemistry (CY 362 and/or 363) is highly recommended for students intending to pursue a graduate degree in Cellular and Molecular Biology.

¹¹Biochemistry (CY 362) is highly recommended for this concentration

¹²BY 327 and/or BY 427 is/are highly recommended for this concentration

**PLANS OF STUDY
BACHELOR OF ARTS**

MAJOR : BIOLOGY

**I. Plan of study: CONCENTRATION IN NATURAL HISTORY
with law enforcement minor.**

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
BY 101	3	BY 102	3
BY 103	1	BY 104	1
CY 105	3	CY 106	3
CY 107.....	1	CY 108.....	1
CJ 101	3	CJ 202	3
Elective.....	3	Wellness ²	3
	17		17

SOPHOMORE YEAR

Fall		Spring	
BY Core ³	4	BY Core ³	4
BY 370.....	2	EH 141	3
MS 112 or higher.....	3	MS 108, 110, 113 or higher Math	3
EH literature ⁴	3	EH literature ⁴	3
SH Elective ⁵	3	SH Elective ⁵	3
	15		16

JUNIOR YEAR

Fall		Spring	
BY Core ³	4	BY Group II ⁷	3
BY Group I ⁶	3	BY elective	3
CJ 363	3	CJ 370	3
CS 201 or higher	3	Social / Behavioral Sciences ⁸	3
HY sequence ¹	3	HY sequence ¹	3
	16		15

SENIOR YEAR

Fall		Spring	
BY elective 300+	7	BY 496.....	1
CJ 402	3	CJ 460	3
Social / Behavioral Sciences ⁸	3	CJ elective 300+	3
Elective	3	300 +elective	6
	16	Elective	3
			16

¹Select from HY 101 & 102 or HY 201 & 202

²Select from MSC 113, 115, 116, FCS 215 or HPE 109

³Select from BY 322, 332, 373.

⁴Select from Select 2 from EH 201, 202, 203, 204, 219, 220, 231, or 232

⁵See your Advisor when selecting your Spanish Electives, (this will count as Fine Art requirement)

⁶For Group I courses, select from BY 403, 412, 413, 445, 473,487,479, or 487

⁷For Group II courses, select from BY 301, 302, 320, 406, 407, 422, 442, 451, 452, 453, 458, 460,475, or 476

⁸Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221

II. Plan of study: CONCENTRATION IN GENERAL BIOLOGY

FRESHMAN YEAR

Fall	Spring
EH 101 3	EH 102 3
BY 101 3	BY 102 3
BY 103 1	BY 104 1
CY 105 3	CY 106 3
CY 107 1	CY 108 1
HY sequence ¹ 3	HY sequence ¹ 3
Elective 3	Wellness ² 3
17	17

SOPHOMORE YEAR

Fall	Spring
BY Core ³ 4	BY Core ³ 4
BY 370 2	EH 141 3
MS 112 or higher 3	MS 108, 110, 113 or higher Math 3
EH literature ⁴ 3	EH literature ⁴ 3
FL Elective ⁵ 3	FL Elective ⁵ 3
15	16

JUNIOR YEAR

Fall	Spring
BY Core ³ 4	BY Group II ⁸ 4
BY Group I ⁶ 4	BY or Minor electives ⁷ 9
BY or Minor electives ⁷ 4	Social / Behavioral Sciences ⁹ 3
CS 201 or higher 3	
15	16

SENIOR YEAR

Fall	Spring
BY or Minor elective ⁷ 13	BY or Minor elective ⁷ 15
Social / Behavioral Sciences ⁹ 3	BY 496 1
16	16

¹Select from HY 101&102 or HY 201&202

²Select from MSC 113, 115, 116, FCS 215, or HPE 109

³Select from BY 322, 332, 373.

⁴Select 2 from EH 201, 202, 203, 204, 219, 220, 231, or 232

⁵See your Academic Advisor when selecting Foreign Language electives (this will count as Fine Arts requirement)

⁶For Group I courses, select from BY 403, 412, 413, 445, 450, 473, 478, 479 or 487

⁷Most minor electives must be at the 300/400 level

⁸For Group II courses, select from BY 301, 302, 320, 406, 407, 422, 442, 451, 452, 453, 458, 460, 475, or 476

⁹Select from AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100, PSY 201, PSY 222, or SY 221

**ALBERT P. BREWER DEPARTMENT OF
CRIMINAL JUSTICE**

126 BREWER HALL

**Department Head: Richard R. E. Kania
Professors: Davis, Kania, McLaughlin, R. Mellen
Associate Professor: Wood
Assistant Professor: Dial
Instructor: N. Mellen**

CRIMINAL JUSTICE MAJOR

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.

ACADEMIC CONCENTRATIONS

Concentration in Corrections. This concentration prepares students for working with individuals who have been placed under the custody of the correctional system. The purpose of corrections is two-fold: to punish individuals who have committed crimes and to rehabilitate those same individuals for successful re-entry into society. Studies in juvenile justice examine the treatment of juvenile offenders.

Concentration in Forensic Investigations. This concentration prepares students for careers as criminal investigators or crime scene technicians. 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 of Forensic Investigations, however, is crime scene processing, identification and collection of physical evidence, and the presentation of evidence into a court of law.

Concentration in Law Enforcement. This concentration 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.

Concentration in Security Administration and Loss Prevention. This concentration examines the role of private security in the United States. Students will learn of the relationship between private and corporate security and public police organizations and the role of private security in all aspects of American society. Studies include an examination of hotel/motel security, security and loss prevention in industry, contract security services, private investigations, alarm services, and general crime prevention. In addition, the student will receive an overview of the basic management practices and operational skills used in private security.

PLAN OF STUDY

The Bachelor of Science with a major in Criminal Justice requires compliance with the general Academic Regulations, including the following:

- A minimum of 128 hours consisting of:** 50 hours of General Studies courses
- 18 hours of Criminal Justice core courses
- 24 hours in a Criminal Justice concentration
- 36 hours of minor and elective courses

NOTE: Effective Fall 2005, Criminal Justice majors must obtain a minor outside the department.

Department of Criminal Justice Core Curriculum**18 hours required for all CJ majors.**

CJ 101	Introduction to Criminal Justice	3 hours
CJ 300	Theories of Crime Causation	3 hours
CJ 301	Criminal Law	3 hours
CJ 302	Research Methods	3 hours
CJ 325	Criminal Courts	3 hours

Select one course from the following:

Senior Internship: CJ 471 or CJ 472 or Senior Seminar: CJ 494, CJ 495 or CJ 496 3 hours

Corrections Concentration 24 hours

CJ 200	Introduction to Corrections	3 hours
CJ 310	Criminal Behavior and Rehabilitation Strategies	3 hours
CJ 311	Correctional Techniques	3 hours
CJ 315	Community-Based Corrections	3 hours
CJ 322	Juvenile Agencies	3 hours
	+9 hours of CJ electives	

Forensic Investigations Concentration 24 hours

CJ 202	Introduction to Law Enforcement	3 hours
CJ 304	Introduction to Forensic Investigations	3 hours
CJ 430	Criminalistics	3 hours
CJ 456	Homicide Investigation	3 hours
CJ 460	Criminal Investigation	3 hours
	+9 hours of CJ electives	

Law Enforcement Concentration 24 hours

CJ 202	Introduction to Law Enforcement	3 hours
CJ 363	Foundations of Law Enforcement	3 hours
CJ 370	Police Administration	3 hours
CJ 402	Police and Community Relations	3 hours
CJ 460	Criminal Investigations	3 hours
	+9 hours of CJ electives	

Security Administration and Loss Prevention Concentration 24 hours

CJ 202	Introduction to Law Enforcement	3 hours
CJ 303	Introduction to Security/Loss Prevention	3 hours
CJ 395	Crime Prevention	3 hours
CJ 400	Protective Systems	3 hours
CJ 406	Retail Security	3 hours
	+9 hours of CJ electives	

*Courses credited within the core or a concentration will not be credited within another concentration or minor.

MINORS

Criminal Justice majors also must complete a minor. Effective Fall 2005, Criminal Justice majors **must** obtain a minor outside the department. Effective Fall 2007, students selecting the Forensic Investigations concentration must select a minor in one of the following disciplines: Accounting, Biology, Chemistry, Computer Science, Computer Information Systems, Finance, Physical Geography, Physics, or Psychology. Chemistry is the minor most highly recommended. A second minor in Spanish is encouraged.

For all other Criminal Justice concentrations, Spanish is the preferred minor or co-minor.

Students who are not majoring in Criminal Justice may minor in Criminal Justice, Corrections, Forensic Investigations, Law Enforcement, or Security Administration/Loss Prevention. Each minor requires a minimum of 21 credit hours. A minor in Criminal Justice consists of CJ 101, CJ 200, CJ 202, CJ 300, CJ 301, CJ 302 and 3 hours of CJ elective(s). A minor in Corrections consists of CJ 101, CJ 200, CJ 310, CJ 311, CJ 315, CJ 322, and 3 hours of CJ electives. A minor in Forensic Investigations consists of CJ 101, CJ 202, CJ 304, CJ 430, CJ 456, CJ 460, and 3 hours of CJ electives. A minor in Law Enforce-

ment consists of CJ 101, CJ 202, CJ 363, CJ 370, CJ 402, CJ 460, and 3 hours of CJ electives. A minor in Security Administration and Loss Prevention consists of CJ 101, CJ 202, CJ 303, CJ 395, CJ 400, CJ 406 and 3 hours of CJ electives.

**PLAN OF STUDY
BACHELOR OF SCIENCE**

MAJOR: CRIMINAL JUSTICE

FRESHMAN YEAR

Fall	Spring
EH 101 3	EH 102 3
HY sequence 3	HY sequence 3
Natural Science 4	Natural Science 4
CJ 101 3	CJ 200 or 202 3
MS 108/110/112 3	MS 204 or approved alternate 3
16	16

SOPHOMORE YEAR

Fall	Spring
Literature 3	Literature 3
EH 141 3	Fine Arts elective 3
SY 221 3	PSY 201 3
CS 201 3	CJ 301 3
CJ 300 3	Elective 3
CJ Concentration 3	
18	15

JUNIOR YEAR

Fall	Spring
CJ 325 3	CJ Concentration 6
CJ 302 3	Minor/electives 300+ 9
PSC 100 3	
CJ Concentration 6	
General electives/minor 3	
18	15

SENIOR YEAR

Fall	Spring
CJ Concentration 6	Minor/electives 300+ 12
Minor/electives 300+ 9	Internship (CJ 471 or CJ 472) or Senior Seminar (CJ 494, CJ 495, or CJ 496) 3
15	15

TOTAL HOURS: 128

DESCRIPTION OF COURSES

CRIMINAL JUSTICE (CJ)

Core Courses:

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.
300. **Theories of Crime Causation (3).** An examination of biological, psychological, sociological, political and economic theories of crime causation.
301. **Criminal Law (3).** *Prerequisite: 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.
302. **Research Methods (3).** *Prerequisites: CJ 101, 300.* An introduction to the theory, design, collection, and analysis of data in criminal justice research.
325. **Criminal Courts (3).** *Prerequisite: CJ 101.* An analysis of the roles of the major participants in the Criminal Justice System; the Court's structure and functions and selected critical issues, such as sentencing and plea bargaining.

Courses That May Count As Requirements or Electives Toward Any One Concentration or Minor:

200. **Introduction to Corrections (3).** *Prerequisite: CJ 101.* Philosophical foundations of punishments, historical developments in American penology. Corrections in contemporary America.
202. **Introduction to Law Enforcement (3).** *Prerequisite: CJ 101.* The development of con-temporary American Police. Law enforcement role, philosophy, values, culture, discretion, organizational control, accountability, corruption, misconduct, police-community relations, and future trends.
205. **Legal Research and Records (3)** *Prerequisite: 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.
303. **Introduction to Security and Loss Prevention (3).** *Prerequisite: CJ 101.* A study of the private industry including origins, administration, personnel, physical aspects, loss prevention, variations in security systems, and career opportunities.
304. **Introduction to Forensic Investigations (3).** *Prerequisite: CJ 101.* The student is introduced 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.
310. **Criminal Behavior and Rehabilitation Strategies (3).** *Prerequisite: 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.
311. **Correctional Techniques (3).** *Prerequisite: 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.
315. **Community Based Corrections (3).** *Prerequisite: CJ 200.* A survey of non-institutional correctional programs focusing on alternatives to incarceration in community settings. Programs reviewed include pre-release, parole, halfway houses, restitution centers, probations, and community correctional centers.

322. **The Juvenile Agencies (3).** *Prerequisite: CJ 200.* Examination of the historical aspects of the juvenile justice system with emphasis on juvenile rights in the present juvenile court system and pretrial techniques.
352. **Evidence (3).** *Prerequisite: 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.
353. **Correctional Law (3).** *Prerequisite: CJ 200.* 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.
361. **Constitutional Law (3).** *Prerequisite: 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.
362. **Constitutional Law II (3).** *Prerequisites: 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.
363. **Foundations of Law Enforcement (3).** *Prerequisite: CJ 202.* An examination of the foundations of American law enforcement from its cultural heritage in England to the present.
370. **Police Administration (3).** *Prerequisite: CJ 202.* Organizational structure and coordination of all branches of law enforcement agencies; police, staff, and auxiliary function; their interrelationships and interdependence.
395. **Crime Prevention (3).** *Prerequisite: 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.
399. **Study Tour (3) (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.
400. **Protective Systems (3).** *Prerequisite: CJ 303.* The criminal threat, protective system concept; systems configuration and cost benefit analysis of currently available protective systems.
402. **Police and Community Relations (3).** *Prerequisite: CJ 202.* Study of the numerous and complex factors involved in the area of human relations as it affects policing and police management.
405. **Judicial Administration (3).** *Prerequisite: 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.
406. **Retail Security (3).** *Prerequisite: CJ 303.* Employee thefts, shoplifting, robbery, burglary, shortages, special fire problems, insurance recovery.
410. **Correctional Administration (3).** *Prerequisite: 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.
411. **Victimless Crimes (3).** *Prerequisite: Junior standing with 18 hours in CJ.* Study of controversial area of law that deals with consensual crimes. Topics to be included for discussion may be homosexuality; 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.
417. **Criminal and Deviant Behavior (3).** *Prerequisite: CJ 300 or SY 320.* An analysis of criminal and deviant behavior systems with an emphasis on classical and contemporary theories of crime causation.

420. **Probation and Parole (3).** *Prerequisites: CJ 311 or CJ 315.* Development, organization, operation of probation and parole with emphasis on alternatives to incarceration.
430. **Criminalistics (3).** *Prerequisite: 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.
456. **Homicide Investigation (3).** *Prerequisite: CJ 304.* Special problems involved in homicide investigation including the forensic autopsy.
460. **Criminal Investigations (3).** *Prerequisites: CJ 202.* Practical application of investigative techniques for specific crimes such as sex offenses, murder, robbery, arson, assaults, and fraud cases.
463. **Crime Scene Processing (3).** *Prerequisite: 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.
464. **Interviews and Interrogations (3).** *Prerequisite: CJ 200 or 202 or 303 or 304.* Discussions and practical exercises covering the various techniques used by criminal justice practitioners to elicit information from witnesses and criminal suspects.
466. **Drugs of Abuse (3).** *Prerequisites: BY 102/104 or CY 106/108; and CJ 430 or NU 306.* Drugs of abuse, their field identification and drug abuse education.
467. **Trace Evidence (3).** *Prerequisites: BY 102/104 or CY 106/108; and CJ 430.* Review of techniques used in the analysis of hairs, fibers, and minute items of evidence related to criminal matters.
- 471, 472. **Internship in Criminal Justice (3) (3).** *Prerequisites: Junior standing and consent of Department Head.* 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 Department Head.)
482. **Independent Study in Criminal Justice (3).** *Prerequisite: Junior standing with 18 hours in CJ.* An opportunity for the advanced student to explore an area of special interest. Student 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.
- 485, 486. **Advanced Seminar in Criminal Justice (3) (3).** *Prerequisite: Junior standing with 18 hours in CJ.* An in-depth study of current issues in Criminal Justice. The content will vary each semester. Students seeking admission must have advanced standing and secure approval of Department Head. May be duplicated for credit for a total of six (6) semester hours.
488. **Seminar Series (1 hour each)** *Prerequisite: Junior standing with 18 hours in CJ.* Seminars and tutorials dealing with current topics and issues in the field. No more than 6 hours credit may be earned.
494. **Senior Seminar I (3).** *Prerequisites: Senior standing in the Criminal Justice major and completion of all other criminal justice 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.
495. **Senior Seminar II (3).** *Prerequisites: Senior standing in the Criminal Justice major and completion of all other criminal justice 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.

496. **Senior Seminar III (3).** *Prerequisites: Senior standing in the Criminal Justice major and completion of all other criminal justice 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.

DEPARTMENT OF DRAMA (DR)

Accredited by the National Association of Schools of Theatre

344 STONE CENTER

Department Head: R. Carlton Ward
Professors: Claeren, Clements, Ward
Associate Professor: McCain
Assistant Professors: Blades, Traynor

The Bachelor of Arts degree offered by the Drama Department requires an overall minimum of 128 semester hours comprised of the following sub-requirements: 51 hour major including a minimum of 12 hours of 300/400 level courses at JSU, a minor including a minimum of 6 hours of 300/400 level courses at JSU, 47 hours of general studies courses, 15 hours of support courses and a minimum of 52 hours of 300/400 level courses which includes those required in the major and minor. Any hours remaining to meet the 128 minimum or the 52 hours minimum of 300/400 will be classified as electives. A student must earn a minimum "C" or better in each of his/her major and minor courses.

Requirements for a Bachelor of Arts in Drama: A minimum of fifty-one hours, which must include Drama 241, 242, 250, 284, 342, 350, 361, 362, 375, 450, 463, and 490; EH 373 or EH 410; and eighteen hours from one area of concentration listed below. Refer to plan of study following Drama course descriptions.

Performance – Required-DR 290, 354, 441, and nine hours from any performance course.

OR

Design/Technical – Required-DR 243, 270, six hours of Design Courses 371, 372, 377, 378, 386, 389 or 486 and 6 hours from any design/technical course.

Requirements for a minor in drama: A minimum of twenty-one hours, which must include DR 241, 242, 250, 284, 350, 361, 362, 450, and three hours of Drama electives.

Upon the declaration of the B.A. degree in Drama, the student must obtain a drama advisor and participate in the department's outcome assessment program for his/her particular area of specialization: performance or design/technical. Annual assessment of each student will be conducted.

DESCRIPTION OF COURSES

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. (Fall, Spring, May.)
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, playwrighting, and audience participation.
243. **Play Analysis for Designers and Technicians (3).** Study of plays to develop artistic and technical solutions for production.
- 250, 350, 450. **Student's Theatre (1) (1).** Active participation in the department's plays in the areas of scenery construction, painting, lighting, costumes, and make-up. Three laboratory hours per week arranged with drama faculty. (Fall, Spring, May, Summer I.)

- 255, 355, 455. **Music Theatre Dance (1) (1) (1)**. Dance for musical theatre: a practical application of dance and movement in performance. Choreography includes works from such composers as Gershwin, Bernstein, Sondheim, and Webber.
260. **Summer Theatre Workshop (3)**. An intensive course in which students work on all phases of theatre production from building scenery to performing in a major play which will be produced for the public during the last week of the course. (May, Summer I.)
270. **Computer Graphics for the Theatre I (3)**. *Prerequisite: CS 201*. Training in the use of CAD software with emphasis on specific applications of CAD to Theatre Design and Production. (Fall.)
- 281, 381, 481. **Dramatic Laboratory (1) (1) (1)**. Experiments in the basics of acting. Limit 1 hour credit per semester. (Each semester.)
284. **Stage Crafts (3)**. Introduction to physical theatres, scenery construction and painting, properties, lighting, and sound. (Fall and May)
290. **Speech for the Performing Arts (3)**. A course designed to improve diction, pronunciation, accent, reading, and intonation. (Fall.)
342. **Directing (3)**. *Prerequisites: DR 241 and permission of instructor*. Fundamental principles of theatrical directing. (Spring.)
343. **Auditioning and Portfolio (3)**. Exercises in preparing actors, directors, designers, technical directors, and stage managers for auditions and portfolio review. (Fall.)
344. **Careers in Performance (3)**. *Prerequisites: DR 241, 290 and 343*. An advanced acting course concentration on the performance and business aspects of acting professionally
351. **Playwriting (3)**. *Prerequisites: DR 242 and permission of instructor*. Exercise in dramaturgical technique and the completion of a stage-worthy script by each student. (Offered in alternate years, Spring.)
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. (Spring.)
- 361, 362. **Theatre History (3) (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. 1st semester: Antiquity to 1600. 2nd semester: 1600 to present. (Fall and Spring.)
370. **Computer Graphics for the Theatre II (3)**. *Prerequisite: DR 270*. Training in the use of 3D Graphics and paint programs with emphasis on Scenic Design and Costume Design. (Spring.)
- 371, 372. **Theatrical Design I & II (3) (3)**. Principles and problems of staging in arena, thrust, proscenium, and flexible theatres. Designs for settings of plays in models and perspective rendering. (Fall.)
375. **Stage Management (3)**. A practical study of stage management duties, responsibilities, procedures, and organization during auditions, rehearsals, production meetings, and performance.
- 377, 378. **Costume Design I & II (3) (3)**. Exploration of basic design elements and fabrics and their culmination into stage costume: period, character, and stylized. (Offered in alternate years, Spring.)
383. **Puppetry (3)**. Scope and development of puppetry throughout the world. Practical experience in and performing puppets.
385. **Stage Carpentry (3)**. A practical carpentry course that explores specialized wood-working and finishing techniques for the stage including scenery, furniture, tools, and materials.
386. **Stage Lighting (3)**. Principles and problems of lighting for mood and effect in play production. (Fall.)

387. **Stage Make-up (3).** Creation of straight, character, middle-age, old-age, beards, rubber prosthesis, and stylized make-up to aid the actor. (Fall, Spring, Summer I.)
388. **Stage Costume History (3).** History of costume as to styles, period fabrics, construction, and movement for theatrical performance. (Offered in alternate years, Spring.)
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. (Spring.)
391. **Scene Painting (3).** Techniques of scene painting to include drop painting, perspective illusion, lighting consideration, budget, and equipment. (Spring.)
392. **Scene Painting II (3).** Advanced techniques of scene painting; molding, frescos, glazes, glosses, foliage, metals, and skies. (Spring)
398. **Costume Techniques (3).** Basics of construction of stage costumes, alteration and repair of existing costumes, and the implementation of professional costume shop practices. (Fall and Spring.)
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.
441. **Acting II (3).** *Prerequisites:* DR 241 and DR 290. Advanced acting scenes and problems of various periods. (Spring.)
445. **Child Drama (3).** Instruction in the supervision of pre-school through elementary grade children in the spontaneous expression of ideas and characters through the theatrical form. Emphasis on the contribution of informal drama to the total development of the child.
- 451, 452, 453. **Design-Technical Practicum (1) (1) (1).** *Prerequisites:* DR 250, 350, 450. Major production assignments in the department's plays in the areas of scenery, management, painting, lighting, costumes, and makeup arranged with drama faculty. (Fall, Spring, May, Summer I.)
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. (Fall.)
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.
475. **Special Problems in Drama (3).** *Prerequisite:* Successful completion of 30 hours of drama or by advisement. Individually designed and supervised research projects or production assignments. (Each semester.)
- 482, 483, 484. **Performance Practicum (1) (1) (1).** *Prerequisites:* DR 281, 381 481. Major performance roles in the areas of acting, directing, movement, and playwriting. (Fall, Spring, May, Summer I.)
486. **Stage Lighting II (3).** *Prerequisite:* DR 386. Advanced lighting techniques and design problems. (Fall.)
487. **Stage Makeup II (3).** *Prerequisite:* DR 387. Advanced makeup techniques for theatre, film, and television. Creation of false teeth and prosthetics for three dimensional, old-age, and specialty makeup. (May.)
490. **Senior Practicum (3).** *Prerequisites:* Senior standing, 39 hours in drama, and instructor's permission. Directed practicum in one of these areas: acting, directing, design, management, technology, or theatre education. (Each semester.)
498. **Costume Techniques II (3).** *Prerequisite:* DR 398. A continuation of DR 398. Methods of transforming a costume into a stage costume. Projects in period draping, construction, corseting, and trimming. (Fall and Spring.)

**PLAN OF STUDY
BACHELOR OF ARTS**

MAJOR: DRAMA

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
HY Sequence 3	EH 141, Oral Communications 3
MS 110 or 112 3	HY Sequence 3
DR 242, Intro to Theatre 3	MS 108 3
PSY 201, Intro to Psychology 3	DR 241, Acting 3
	DR 250, Students Theatre 1
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15	16

SOPHOMORE YEAR

Fall	Spring
Literature 3	Literature 3
Natural Science * 4	Natural Science * 4
DR 284, Stage Crafts 3	Social/Behavioral Science 3
DR 290, or 243 by advisement 3	CS 201 3
DR 350, Students Theatre 1	DR 450, Students Theatre 1
Fine Arts elective ** 3	Elective **** 3
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17	17

JUNIOR YEAR

Fall	Spring
Minor/Electives 6	Drama Concentration *** 3
DR 361, Theatre History 3	DR 362, Theatre History 3
Drama Concentration *** 3	Minor/electives 6
DR 375, Stage Management 3	DR 342, Directing 3
	Elective**** 3
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15	18

SENIOR YEAR

Fall	Spring
DR 463, Dramatic Theory 3	EH 373 or 410 3
Minor/electives 6	Minor/electives 6
Drama Concentration *** 6	Drama Concentration *** 3
	DR 490 3
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15	15

TOTAL HOURS: 128; Fifty-two hours must be 300+

* Must be a sequence

** Art 202 or Music 233

*** Select fifteen hours from an area of concentration

**** Select from Art, Music, Communication, History, Literature, Foreign Language or Technology

EMERGENCY MANAGEMENT (EM)
INSTITUTE FOR EMERGENCY PREPAREDNESS
1141 JSU McCLELLAN CENTER

Director: A. Barry Cox
Professor: Cox
Associate Professors: Kushma
Assistant Professors: Lowe, Ryan, Spain
Instructor: White

The Institute for Emergency Preparedness offers a 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. The degree requires a minimum of thirty (30) hours of Emergency Management courses, including EM 301, EM 321, EM 331, EM 411, EM 471, EM 481, and 12 hours of approved EM 300+ electives.

MINOR IN EMERGENCY MANAGEMENT (EM)

The Institute for Emergency Preparedness 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 EM 301, EM 321, EM 411 and 9 hours of approved EM 300+ electives.

MINOR IN HOMELAND SECURITY (HS)

The Institute for Emergency Preparedness offers a minor in Homeland Security. The minor consists of eighteen (18) hours of courses which must include EM 305 and 15 hours selected from a list of approved Emergency Management and Public Safety Telecommunications courses. 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.

PUBLIC SAFETY TELECOMMUNICATIONS (PST)

The Institute for Emergency Preparedness offers a minor in Public Safety Telecommunications. The minor consists of twenty-one (21) hours of Public Safety Telecommunications courses including PST 110, PST 311, PST 312, PST 313, PST 314, PST 328, and 3 hours of approved PST electives.

PLAN OF STUDY
BACHELOR OF SCIENCE

MAJOR: EMERGENCY MANAGEMENT

FRESHMAN YEAR

Fall	Spring
EH 101 3	EH 102 3
PSY 201 3	Social/Behavioral Science..... 3
Natural Science sequence 4	Natural Science sequence 4
Fine Arts 3	MS 108 or MS 110 or MS 112..... 3
Minor 3	Minor 3
16	16

SOPHOMORE YEAR

Fall	Spring
Literature..... 3	Literature..... 3
HY sequence..... 3	HY sequence..... 3
Elective..... 3	EM 300+ elective..... 3
EM 301..... 3	EM 321..... 3
Minor..... 3	Minor..... 3
	Area V elective..... 3
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15	18

JUNIOR YEAR

Fall	Spring
EM 411..... 3	EH 141 or Fine Arts elective..... 3
EM 331..... 3	EM 300+ elective..... 3
Minor..... 3	Area V elective..... 3
Area V electives..... 6	Minor/elective..... 6
Elective..... 3	
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18	15

SENIOR YEAR

Fall	Spring
EM 300+ elective..... 6	EM 481..... 3
Area V electives..... 6	EM 471..... 3
Minor/elective..... 6	Area V electives..... 6
	Elective..... 3
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18	15

A PROGRAM OF STUDY FOR A BACHELOR OF SCIENCE IN EMERGENCY MANAGEMENT WITH A MINOR IN PUBLIC SAFETY TELECOMMUNICATIONS

Major

EM 301	Introduction to Emergency Management	3 hours
EM 321	Disaster Mitigation & Preparedness	3 hours
EM 331	Populations at Risk	3 hours
EM 411	Disaster Response & Recovery	3 hours
EM 471	Emergency Management Capstone course	3 hours
EM 481	Research in Disasters & Emergency Management	3 hours
	Approved EM 300 + Electives	12 hours

Total EM Courses 30 hours

PST Minor

PST 110	Intro to Public Safety Communications	3 hours
PST 311	Interpersonal Communications	3 hours
PST 312	Legal Issues in Public Safety Communications	3 hours
PST 313	Introduction to Crisis Intervention	3 hours
PST 314	Introduction to Weapons of Mass Destruction	3 hours
PST 328	Technical Writing for Public Safety Communications	3 hours
	Approved PST electives	3 hours

Total PST Courses 21 hours

Area I

EH 101	English Composition	3 hours
EH 102	English Composition	3 hours

Total Area I 6 hours

Area II		
	Fine Arts	3 hours
	Literature	6 hours
	Speech/Humanities and Fine Arts elective*	3 hours
	Total Area II	12 hours
Area III		
	MS 108 Exploring Math or MS 110 Finite Math or MS 112 Pre calculus Algebra	3 hours
	Approved Laboratory Science	8 hours
	Total Area III	11 hours
Area IV		
	History Sequence	6 hours
PSY 201	Intro to Psychology	3 hours
	Approved Social/Behavioral Science elective*	3 hours
	Total Area IV	12 hours
Area V		
	Courses to be chosen from an approved list. *	23 hours
General Electives (See advisor.)		13 hours
	Total	128 hours

*See advisor for elective choices in Area II, IV, and V.

EMERGENCY MANAGEMENT (EM)

DESCRIPTION OF COURSES

- 211. Weapons of Mass Destruction for First Responders (2).** *Prerequisites: This course is designed for First Responders who have completed awareness level training. This course is not intended for HAZMAT technicians.* The course is designed to provide first responders at the operational level instruction on responding to and operating in a WMD environment.
- 301. Introduction to Emergency Management (3).** Overview of emergency management including a history of the field, key legislation impacting practice and current issues in the field.
- 305. Introduction to Homeland Security (3).** Overview of the administrative, legislative, and operational elements of homeland security programs and processes including a review of homeland security history and policies.
- 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. Specifically this course will provide a historical and current overview of the terrorist threat, the composition and types of Weapons of Mass Destruction, emergency actions at the scene, integration of Federal assets into the overall response, and incident management. 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.
- 311. Weapons of Mass Destruction Incident Command (2).** *Prerequisites: Emergency responders attending this training must be certified at the awareness and operational level.* The Weapons of Mass Destruction (WMD) Incident Command course is an in-depth review of the composition, action, identification, and decontamination of WMD agents that have the potential for use in a terrorist incident.

321. **Disaster Mitigation & Preparedness (3).** *Prerequisites:* EM 301. Methods and techniques used to lessen the potential impact of disasters and improve readiness to respond. Concepts related to preparedness actions such as planning, training, public education and disaster exercises are reviewed as well as mitigation principles related to sustainability and the built environment.
331. **Populations at Risk (3).** *Prerequisites:* EM 301. Examines social vulnerability to disaster and the needs of at-risk populations. Methods to reduce vulnerabilities and build local capacity are considered.
341. **Legal Fundamentals in Emergency Management and Homeland Security (3).** Introduction to the legislative foundation 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.
345. **WMD Incident Response (3).** An in-depth study of the potential use of Weapons of Mass Destruction by terrorists and the proper preparedness and response by federal, state and local jurisdictions. WMD incident response both from the management and performance levels will be addressed including chemical, biological, radiological, nuclear, and explosive threats; the current international and domestic threat; managing a WMD scene; determining terrorist threat; determining the breadth of a WMD incident area; risk communications; and dealing with the media after a WMD incident. Students will be required to complete the ODP resident course PER-260 at the Center for Domestic Preparedness prior to the completion of the term. Prior to enrollment this course, students should verify that they meet the eligibility requirements for PER-260.
351. **Understanding Terrorism: Characteristics and Perspectives (3).** *Prerequisites:* EM 301. 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 for emergency response are highlighted.
361. **Hazardous Materials in Emergency Management (3).** *Prerequisite:* EM 301. Looks at key legislation regarding storage, handling, and transportation of hazardous materials, and reviews how the emergency management community plans, responds, and recovers when hazardous material incidents occur.
365. **Public Information in Emergency Management (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.
371. **Public Administration and Policy in Emergency Management (3).** *Prerequisite:* EM 301. Focuses upon the administrative roles of local, state and federal government in times of disaster and the importance of intergovernmental relations. The policy making process and the historical evolution of disaster policy is reviewed.
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.
385. **Incident Command for a Mass Casualty Event (3).** An in-depth review of the entire spectrum of command of a large scale event involving either natural or manmade hazards including the complexities of operational considerations and actions of command at a large scale event. Students will be required to complete the ODP resident course MGT-360 at the Center for Domestic Preparedness prior to the completion of the term. Prior to enrollment in this course students should verify that they can schedule MGT-360 during the semester.

391. **Weapons of Mass Destruction for Hazardous Material Technicians (2).** *Prerequisites: Hazardous Material Technicians attending this course must be certified as having successfully met the competencies outlined in OSHA 20 CFT 1910.120 and NFPA 472 for HAZMAT awareness and operations for HAZMAT Technicians.* The Weapons of Mass Destruction (WMD) Hazardous Material Technician course is an in-depth course in the composition, action, identification, and decontamination of WMD agents that have the potential for use in a terrorist incident.
401. **Economics of Disaster (3).** *Prerequisites: EM 301.* The costs of natural and man made disasters around the world, the existing policy frameworks for reducing these costs in the industrialized world, and the ways in which these policies might be adapted for the developing world.
411. **Disaster Response & Recovery (3).** *Prerequisites: EM 301.* 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.
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 communities emergency response plan and capabilities.
421. **Medical Disaster and Emergency Management (3).** *Prerequisite: EM 301.* Reviews structure and functions of health care delivery systems in mass casualty situations with specific attention to intra- and inter-organizational management, ranging from emergency response triage to inter-organizational systemic management issues.
431. **Transportation Security (3).** *Prerequisite: EM 305.* Assessment of challenges and threats relating to national and international transportation security frameworks. Laws, regulations, policies, conventions, organizations, procedures, and technologies intended to ensure freedom of movement of people and commerce by ground, air, sea, and water will be reviewed. Analytical concepts and methods are applied to case studies with an emphasis on vulnerability and risk reduction.
441. **EM Field Trips (3).** *Prerequisite: EM 301.* Students will visit various disaster management sites, emergency operating centers, and other locations related to disaster planning, response, recovery, and/or mitigation.
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 emphasized.
451. **Disaster Planning (3).** *Prerequisite: EM 301.* Engages students in elements of effective disaster planning and various types of emergency plans.
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 are examined.
465. **Introduction to Biodefense (3).** Introduction to biological agents and the threat they pose to society. A review of global concerns for biosecurity including the history of biological warfare, bioterrorism, concerns for agroterrorism and current initiatives in biodefense. Included will be a review of specific agents, the diseases they cause, detection methods, and consequence management considerations.
471. **Emergency Management Capstone Course (3).** *Prerequisite: Senior Standing in Program.* Integrates prior coursework in an applied and experiential framework through case studies, exercises, applied research, and analytical activities.

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.
481. **Research in Disasters and Emergency Management (3).** Overview of research principles and approaches to the study of disaster and how to understand and apply scholarly work from the field of disaster research.
483. **Planning and Preparedness for Homeland Security (3).** Introduction to the home-land security planning process and related preparedness activities 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 multi-sector coordination requirements for incident management. For first responder agencies, healthcare systems, and public and private sector response systems.
485. **Military Support of Disaster Relief (3)** *Prerequisite* EM 301 A detailed review of military support for disaster relief including an overview of military assets, organizations, relevant legislation, recent case studies and look at the possible expanding role of the military in future natural disasters and CBRN events.
491. **Leadership in Emergency Management (3).** Leadership theory to include leadership styles and skills. Also examines team processes and performance, and organizational behavior.
496. **Directed Studies in Emergency Management (3).** *Prerequisite: Permission of the instructor and approval of the department head.*
497. **Internship in Emergency Management (3).** *Prerequisite: EM 301 Permission of the instructor and internship coordinator.* Provides direct experience and application of principles, concepts and theories acquired in coursework in a supervised emergency management setting.

PUBLIC SAFETY TELECOMMUNICATIONS (PST)

DESCRIPTION OF COURSES

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.
115. **Emergency Medical Dispatching (3).** Preparation needed to receive a call requesting assistance for emergency medical services (EMS) and allocate community resources in response to such request. Upon course completion, the individual should be qualified to provide pre-arrival medical instructions to the caller and post-dispatch information to the responding agencies.
220. **Technologies in Public Safety Communications and 911 (3).** An overview of the rapidly advancing technology in public safety communications. Computer aided dispatch, radio and telephony advances, mapping and GPS technology, and information management technology keynote this course.
221. **Role in Hostage Negotiations (3).** The principles required for critical thinking to deal with a hostage situation until a highly trained negotiator assumes control.
222. **Handling of Hazardous Materials Event (3).** The knowledge necessary in handling events involving hazardous material(s). Upon course completion, the individual should have basic knowledge in communication management of special circumstances involving chemical, biological and radiological hazardous events.

226. **Advanced Public Safety Communications (3).** An in-depth study of the operations of telecommunication centers.
227. **Location Identification (3).** An overview in the rapidly advancing technology of location identification as it relates to telecommunication operations.
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.
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 pro-vide the legal principles and processes that, when adhered to, should guide toward minimizing liability exposure.
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.
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.
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.
324. **Financial Management in Public Safety Communications (3).** An overview of financial management procedures including, budgeting, purchasing, bid processing, internal control, auditing, and reporting.
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.
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.

DEPARTMENT OF ENGLISH (EH)

215 STONE CENTER

Department Head: Robert Felgar

Professors: Davis, Di Biase, Felgar, Gates, Hug, Reed, Whitton

Associate Professors: Harding, Jones

Assistant Professors: Gray, Kostova, O'Keefe, Porter

Instructors: Ashley, Bailey, Bennett, Burns, Copeland, Christopher, Foster,

Hickman, Horton, Johnson, Maloney, Mecham, Myer, Nelson, Prickett,

Rimpsey, Sandlin, Sellers, Williams, Wooster

The Department of English offers two tracks for a major in English.

The **Track I major** requires 36 hours of English courses, which must include the following:

Survey Courses (12 hours): EH 201, 202, 203, 204

Foundation Course (3 hours): 403 or 404

English Literature Courses (9 hours at 300/400 level): 3 hours of American literature and 6 hours of non-American literature

English Language Courses (6 hours): two of the following: 307, 321, 344, 415, 441.

English Electives (6 hours): two courses chosen from any 200+ level course offered except 345, 348, 351, 352, and 360.

The **Track II major** requires 36 hours of English courses, which must include the following:

Survey Courses (12 hours): EH 201, 202, 203, 204

Foundation Course (3 hours): 403 or 404

English Literature Courses (6 hours at 300/400 level): 349 and one of the following: 303, 304, 420, 442

English Language Courses (12 hours): 321, 346, 347, 408

English Electives (3 hours): one course chosen any 200+ level course offered except 345, 348, 351, 352, and 360.

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 foreign language courses (see advisor).

Students who plan careers in education should contact the Teacher Service Center in the College of Education, Ramona Wood Hall, Room 207, for information on certification and admission to education.

Minor in English: A minimum of 24 hours, which must include EH 101 or 103, 102 or 104, 141, 203, 204, one of the following: 201, 202, 219 or 220, and 6 hours of 300+ level electives. This minor is not available for students majoring in English. A minimum of 6 of the 24 hours must be taken at the 300/400 level at JSU. Electives may be chosen from any English course offered except 345, 348, 351, 352, and 360.

Minor in Business and Technical Writing: A minimum of 24 hours, which must include 101 or 103, 102 or 104, 141, 201, 202, 322, 344, and 415. This minor is not for students majoring in English.

Minor in Creative Writing: A minimum of 24 hours, which must include 101 or 103, 102 or 104, 141, 201, 202, 344, 351 or 352, and 415. This minor is not for students majoring in English.

DESCRIPTION OF COURSES

NOTE: All entering students who have not successfully completed or been awarded credit for EH 101 are required to submit scores from the American College Test (ACT) or the Scholastic Aptitude Test (SAT). Placement in entry-level English will be determined by the following:

Placement	ACT English Sub Test	SAT Verbal Test
LS 095	11 or below	270 or below
EH 098 or LS 095		
Beginning Fall 2010 EH 100	12 - 13	280-340
(following advisement)		
EH 098		
Beginning Fall 2010 EH100	14 - 16	350-410
EH 101	17 or above	420 or above
EH 103	25 or above	610 or above

098. Basic English Skills (3). A study of basic English grammar and writing skills. **Grades for EH 098: A, B, C, NC.** Institutional credit only. See section on institutional credit. Not open to students who have completed EH 101 or 103. (Offered Fall and Spring only.)

099. Review of Writing Skills (1). A review of writing skills for students who have had difficulty with, or feel apprehensive about, the English Competency Examination. **Grades for EH 099: A, B, C, NC.** Institutional credit only. See section on institutional credit. (Offered Fall and Spring only.)

100. Beginning Fall 2010 **Basic English Skills (3)**. A study of basic English grammar and writing skills. **Grades for EH 100 A, B, C, NC.** Institutional credit only. See section on institutional credit. Not open to students who have completed EH 101 or 103. (Offered Fall and Spring only.)
- 101, 102. **English Composition (3) (3)**. Two semesters. *Prerequisite to all other English courses except EH 141.* Spelling, grammar, punctuation, vocabulary, and the strategies of effective writing. Introduction to literature. In 102: a research paper. **Grades for EH 101 and 102: A, B, C, NC.** *EH 102 prerequisite: successful completion of EH 101 or 103.* (Offered Fall and Spring only.)
- 103, 104. **Honors English Composition (3) (3)**. Two semesters. *Substitutes for EH 101, 102.* Advanced strategies of effective writing. Advanced introduction to literature. In 104: a research paper. Admission requirements: 103, see requirements above; 104, by recommendation of instructor. **Grades for 103 and 104: A, B, C, NC.** *EH 104 prerequisite: successful completion of EH 103 or EH 101 and recommendation of instructor.* (EH 103 offered Fall only; EH 104 offered Spring only.)
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.
- 201, 202. **American Literature (3) (3)**. Two semesters. *Prerequisite: EH 102 or 104.* The American tradition as presented in literature. 201: Franklin, Irving, Poe, Douglass, Emerson, Thoreau, Hawthorne, Melville, Whitman. 202: James, Twain and more recent American authors such as Ann Beattie and Alice Walker.
- 203, 204. **Survey of English Literature (3) (3)**. Two semesters. *Prerequisite: EH 102 or 104.* Representative English writers in the major periods of their nation's cultural development. 203: *Beowulf* to Neoclassical writers. 204: Romantics to modern writers.
- 219, 220. **Honors Literature (3) (3)**. Two semesters. *Prerequisites: EH 102 or 104 and permission of instructor.* A study of works of literature against the background of philosophy, history, and the arts. (Offered Fall and Spring only.)
- 231, 232. **World Literature (3) (3)**. Two semesters. *Prerequisite: EH 102 or 104.* The literature of Greece and Rome, the Medieval Period, the Renaissance, the Enlightenment, the Romantic Age, Realism and Symbolism, and our own times.
300. **Independent Study (1)**. Special project in English studies. Permission of department head. (Offered Fall and Spring only.)
- 303, 304. **Survey of Black Literature (3) (3)**. Two semesters. *Prerequisite: EH 102 or 104.* 303: A study of African-American writers from Colonial times through the Harlem Renaissance. 304: From the 1940s to the present.
305. **Native American Literature (3)**. *Prerequisite: EH 102 or 104.* A study of selected literature by Native Americans, including traditional oral genres (myths, folktales) and written genres (autobiography, fiction, poetry).
307. **English Grammar (3)**. *Prerequisite: EH 102 or 104 or permission 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.
311. **Romantic Poetry (3)**. *Prerequisite: EH 102 or 104.* 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.
313. **Twentieth-Century Poetry (3)**. *Prerequisite: EH 102 or 104.* British and American poets of the 1900s. Hardy and Robinson through Robert Lowell and Adrienne Rich.
321. **Advanced Grammar (3)**. *Prerequisite: EH 102 or 104.* A thorough study of the parts of speech and syntax.

322. **Technical Writing (3).** *Prerequisite: EH 102 or 104.* Practical writing, especially correspondence and reports, for students in business, scientific, and technical fields.
344. **Advanced Composition (3).** *Prerequisite: EH 102 or 104.* 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.
345. **Argumentation and Debate (3).** *Prerequisite: EH 141.* Basic principles and practice of argumentation and debate, with instruction in parliamentary procedure. No credit allowed toward English major or minor.
346. **Advanced Oral Communication (3).** *Prerequisite: EH 141; by advisement.* Study and practice of techniques of public speech-making, argumentation and debate.
347. **Theory of Speech (3).** *Prerequisite: EH 141; by advisement.* Study and practice in developing oral communication skills and auditory discrimination ability. Offered during fall semester.
348. **Composition and Speech (3).** *Prerequisites: EH 102 or 104 and 141. Only for students majoring in EED, SPE or ECE.* Emphasis on writing and on oral presentation skills. **Grades for EH 348: A, B, C, NC.** No credit allowed toward English major or minor.
349. **The Literature of Young Adults (3).** *Prerequisite: EH 102 or 104.* A survey of the literature of young adults with particular attention to recent examples. Emphasis will be on the literary qualities of the reading.
- 351, 352. **Creative Writing (3) (3).** *Prerequisites: EH 102 or 104 and permission of the instructor.* The first semester will concentrate on writing fiction, the second on poetry. No credit allowed toward the English major or minor.
360. **Interpersonal Communication (3).** *Prerequisite: 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.
370. **The American Novel (3).** *Prerequisite: EH 102 or 104.* From its beginning to the present: Cooper, Hawthorne, Melville, and Twain through such moderns as Faulkner, Hemingway, Wolfe, Ellison, Bellow, and Morrison.
371. **Contemporary Fiction (3).** *Prerequisite: EH 102 or 104.* The reading and analysis of recent novels and/or short stories selected by the instructor.
373. **Twentieth-Century Drama (3).** *Prerequisite: EH 102 or 104.* The social, moral, and psychological interests of modern and contemporary continental, English, and American dramatists.
375. **Southern Literature (3).** *Prerequisite: EH 102 or 104.* Selected works of poetry and prose by such major Southern writers as George Washington Cable, Alice Walker, William Faulkner, and Flannery O'Connor.
399. **Study Tour (3).** *Prerequisite: EH 102 or 104.* 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.
401. **Chaucer (3).** *Prerequisite: EH 102 or 104.* The poet against the background of the Middle Ages.
402. **Special Studies in the English Renaissance (3).** *Prerequisite: EH 102 or 104.* Dedicated to selected writers, themes or genres.
- 403, 404. **Shakespeare (3) (3).** *Prerequisite: EH 102 or 104.* First semester: *Hamlet, Othello,* and selected histories and romantic comedies. Second semester: *King Lear, Macbeth,* and selected later comedies and tragedies.

405. **Shakespeare's England (3).** *Prerequisite: EH 102 or 104.* Program of study in Stratford-upon-Avon. Visits to places associated with Shakespeare and reading in social history of the period. (Offered infrequently.)
408. **Theory of Composition (3).** *Prerequisite: EH 102 or 104.* A study of current theory and practice in composition studies.
409. **The Art of the Film (3).** *Prerequisite: EH 102 or 104.* A consideration of the motion picture in its artistic, technical, and historical contexts. A number of films by major directors will be viewed.
410. **American Drama (3).** *Prerequisite: EH 102 or 104.* An examination of American drama both as theatre and literature, considering early plays in their historical con-texts, with emphasis on major American dramatists beginning with Eugene O'Neill and progressing through Tennessee Williams, Arthur Miller, Edward Al-bee, and others.
411. **Eighteenth-Century Literature (3).** *Prerequisite: EH 102 or 104.* 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").
412. **Victorian Poetry (3).** *Prerequisite: EH 102 or 104.* Tennyson, Elizabeth Barrett and Robert Browning, Arnold, Swinburne, and other poets of the Victorian Era.
413. **English Drama (3).** *Prerequisite: EH 102 or 104.* Medieval background of Eliza-bethan drama and the reading of representative plays of the Tudor and Stuart periods.
415. **Advanced Expository Writing (3).** *Prerequisite: EH 344.* Refining skills and knowl-edge acquired in EH 101 or 103, 102 or 104, 344, and requiring expository/argu-mentative essays representative of excellent rhetoric. (Offered Spring only.)
420. **Women's Literature (3).** *Prerequisite: EH 102 or 104.* 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.
423. **Alabama Literature (3).** *Prerequisite: EH 102 or 104.* An introduction to Alabama writers from the frontier period to the present; fiction and nonfiction; short story, novel, poetry, essay.
441. **The History of the English Language (3).** *Prerequisite: EH 102 or 104.* Study of the origins and development of the English language from Old English through Mod-ern English, focusing on the historical, cultural, and linguistic forces affect-ing language change.
442. **Black Writers in America (3).** *Prerequisite: EH 102 or 104.* A study of major twentieth-century writers, including Wright, Ellison, Hughes, Baldwin, Toni Morrison, Alice Walker, and others.
452. **Literary Criticism (3).** *Prerequisite: EH 102 or 104.* Prominent themes and theories, various critical approaches, and outstanding examples of literary criticism from Plato to feminism and African-American literary theory.
453. **The English Novel (3).** *Prerequisite: EH 102 or 104.* A history of the British novel, with readings of, and reports on, novelists of the eighteenth, nineteenth, and twentieth centuries.
467. **Twentieth-Century English Fiction (3).** *Prerequisite: EH 102 or 104.* British fiction of the twentieth century, including short stories and novels by modern and post-modern authors.
484. **Current New York Theatre (3).** *Prerequisite: EH 102 or 104.* A study of the New York theatre available at the time the course is offered. In addition to attending four cur-rent Broadway productions, students visit Lincoln Center for the Per-forming Arts and major art museums, such as the Metropolitan Museum of Art and the Museum of Modern Art.

**PLAN OF STUDY
BACHELOR OF ARTS**

MAJOR: ENGLISH

TRACK I:

FRESHMAN YEAR

Fall	Spring
EH 101 or 103 3	EH 102 or 104 3
History sequence 3	EH 141 3
Natural Science 4	History sequence 3
Social/Behavioral Science 3	Natural Science 4
MS 110 or 112 3	MS 108 or higher Math 3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16

SOPHOMORE YEAR

Fall	Spring
EH 201 3	EH 202 3
Fine Arts 3	Social/Behavioral Science 3
EH 203 3	EH 204 3
Foreign Language 3	Foreign Language 3
CS 201 3	Wellness / Elective 5
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17

JUNIOR YEAR

Fall	Spring
English Literature ¹ 3	English Language ² 3
English Language ² 3	Foreign Language 3
Foreign Language 3	EH 403/404 3
Minor/Electives 8	Minor/Electives 300+ 6
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15

SENIOR YEAR

Fall	Spring
English Literature ¹ 3	English Literature ¹ 3
English Elective 300+ 3	English Elective 300+ 3
Minor/Electives 300+ 9	Minor/Electives 300+ 11
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17

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

²English Language Courses requirement: 6 hours selected from the following: 307, 321, 344, 415, 441.

TOTAL HOURS: 128 HOURS; 52 MUST BE 300+

**TRACK II:
FRESHMAN YEAR**

Fall		Spring	
EH 101 or 103	3	EH 102 or 104	3
History sequence	3	EH 141	3
Natural Science	4	History sequence	3
Social/Behavioral Science	3	Natural Science	4
MS 110 or 112	3	MS 108 or higher Math	3
	16		16

SOPHOMORE YEAR

Fall		Spring	
EH 201	3	EH 202	3
Fine Arts	3	Social/Behavioral Science	3
EH 203	3	EH 204	3
Foreign Language	3	Foreign Language	3
CS 201	3	Wellness / Elective	5
	15		17

JUNIOR YEAR

Fall		Spring	
English Literature ¹	3	English Language ²	3
English Language ²	3	EH 403/404	3
Foreign Language	3	Foreign Language	3
Minor/Electives	8	Minor/Electives 300+	6
	17		15

SENIOR YEAR

Fall		Spring	
English Literature ¹	3	English Language ²	3
English Language ²	3	English Elective 300+	3
Minor/Electives 300+	9	Minor/Electives 300+	11
	15		17

¹ English Literature Courses requirement: 6 hours, including 349 and one of the following: 303, 304, 420, 442

² English Language Courses requirement: 12 hours, including 321, 346, 347, 408.

**DEPARTMENT OF HISTORY (HY) AND
FOREIGN LANGUAGES (FL)**

317 STONE CENTER

Department Head: Gordon E. Harvey
Professors: Harvey, Jackson, Koerper, Lemmons, Robinson, Wade
Associate Professors: Cook, Gross, Koss, Lauderbaugh
Assistant Professors: Beezley, Levi, Prudlo, Rilo
Instructors: Bruer, Burrows, Hudson, Pacheco, Stokesberry

History Major:

History Majors may select from two tracks to the Bachelor of Arts degree. History majors should consult with an advisor to determine which track best suits their career goals. Under both tracks a history major should take one survey sequence (HY 101-102 or HY 201-202) as part of the General Studies Curriculum. The remaining survey sequence will be taken as part of the requirements for the major.

The requirements in the two tracks are as follows:

Track I:

Curriculum (HY 101-102 or HY 201-202) 6 hrs

Survey courses:

The survey courses not taken in the General Studies Curriculum
(HY 101-102 or HY 201-202) 6 hrs

Foundation courses numbered 300 or above:

Europe: Select one of the following: 3 hrs

HY 408: Ancient History

HY 395: Europe in the Middle Ages

HY 400: Europe: Renaissance and Reformation

United States: Select one of the following: 3 hrs

HY 451: Early America

HY 452: Age of Jefferson and Jackson

HY 453: Civil War and Reconstruction

Modern World: Select two of the following 6 hrs

HY 331: Far East in Modern Times

HY 404: Age of Cold War

HY 456: Contemporary America, 1945-present

HY 473: Modern Middle East

HY 481: Modern Latin America

Electives:

Four courses 300 Level or above 12 hrs

Total 30 hrs

Track II:

Survey courses:

The survey courses not taken in the General Studies
Curriculum (HY 101-102, HY 201-202) 6 hrs

Courses numbered 300 or above:

HY 404: Age of Cold War 3 hrs

HY 456: Contemporary America, 1945 to present 3 hrs

Select one from these: 3 hrs

HY 331: Far East in Modern Times

HY 473: Modern Middle East

HY 481: Modern Latin America

Select one from these: 3 hrs

HY 436: History of American Women

HY 437: Black America

HY 444: Alabama History

Electives:

Select four from any courses numbered 300 or above (including
those not taken in categories above). At least one must be in
European history. 12 hrs

Total 30 hrs

Other requirements:

Twelve (12) hours of foreign language courses are required in both tracks. 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 eighteen to twenty-four semester hours in a single field of study (for example, English, Political Science, Geography).

A minor in history:

Students wishing to minor in history must complete twenty-one semester hours in history. These courses must include HY 101-102 and HY 201-202 and nine hours numbered 300 or above.

Education majors:

Students who plan careers in education should contact the Teacher Service Center in the College of Education, Ramona Wood Hall, Room 207, for information on certification and admission to education.

DESCRIPTION OF HISTORY COURSES

- 100. Current History (1).** Students will do research on a current events topic which they select with the approval of the instructor. Consent of the department head is required.
- 101, 102. Western Civilization (3) (3).** Two semesters. Civilization from earliest times to the present. Some training in the technique of historical research.
- 103, 104. Honors Western Civilization (3) (3).** Two semesters. 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. **Admission requirements: ACT verbal, 25 or above; SAT verbal 610 or above.**
- 201, 202. American History (3) (3).** Two semesters. 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.
- 203, 204. Honors American History (3) (3).** Two semesters. Advanced study in American history, beginning with the European background and continuing up to the present. Includes training in the techniques of historical research, writing, and criticism. **Admission requirements. See 103 above.**
- 301. History of England to 1689 (3).** *Prerequisites: HY 101, 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.
- 302. History of Great Britain, 1689 to the Present (3).** *Prerequisites: HY 101, 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.
- 304. American Military History (3).** *Prerequisites: HY 201, 202.* The evolution of warfare and the military in America's past. (Offered every year.)
- 331. The Far East in Modern Times (3).** *Prerequisites: HY 101, 102.* A survey of Far Eastern history with special emphasis upon China, Japan, and the impact of western influence in Modern Times.
- 332. Russian History through the Revolutions of 1917 (3).** *Prerequisites: HY 101, 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.

333. **Russian History from 1855 to the Present (3).** *Prerequisites:* HY 101, 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.
395. **Europe in the Middle Ages 476-1300 (3).** *Prerequisites:* HY 101, 102. Major political, intellectual, and cultural trends, with emphasis on ecclesiastical developments and the fathers of the church.
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.
400. **Europe in the High Middle Ages: Renaissance and Reformation, 1300-1648 (3).** *Prerequisites:* HY 101, 102. European society as seen through its philosophy, religion, literature, and politics.
404. **The Age of the Cold War: Europe, 1945-Present (3).** *Prerequisites:* HY 101, 102. The Cold War and its impact on the internal reorganization of the European nations. (Offered every year.)
405. **Environmental History of the U.S. (3).** *No prerequisite.* A historical investigation of human interaction with the environment in the United States from the pre-colonial era to the present.
406. **Internship in Museum Studies (3).** *Prerequisite: permission of instructor.* Working with local historical museums under the supervision of faculty, students will be introduced to the problems and possibilities of museum curatorship.
408. **Ancient History (3).** *Prerequisites:* HY 101, 102. A survey of civilization in the Near East and Europe from the invention of writing to the fall of the Roman Empire.
409. **Modern France (3).** *Prerequisites:* HY 101, 102. A survey of the development of the French nation-state from Louis XIV to the present.
408. **Modern Germany (3).** *Prerequisite:* HY 102. A survey of the development of Germany from the Peace of Westphalia to the collapse of the Third Reich.
409. **War and Peace in Modern Europe (3).** *Prerequisite:* 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.
415. **The American Experience in War (1775-1898) (3).** *Prerequisites:* HY 201, 202 or *per-mission 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.
433. **American Social and Cultural History to 1865 (3).** *Prerequisites:* HY 201, 202. 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.
434. **American Social and Cultural History Since 1865 (3).** *Prerequisites:* HY 201, 202, and 433 or *permission of instructor.* A continuation of History 433, 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.
436. **History of American Women (3).** *Prerequisites:* HY 201, 202. A survey of the history of women from the colonial period to the present with emphasis upon social, economic, political, and educational developments.

437. **Black America (3).** *Prerequisites:* HY 201, 202. 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.
441. **The South Before 1860 (3).** *Prerequisites:* HY 201, 202. The colonization and the economic, political, social, and cultural development of the Old South and its part in building the nation.
442. **The South Since 1860 (3).** *Prerequisites:* HY 201, 202, and 441 or consent of the instructor. The issues which led to secession; the War Between the States; the economic, political, and social results; recent tendencies and developments.
443. **Introduction to Southern Culture (3).** *Prerequisites:* HY 201, 202. 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.
444. **History of Alabama (3).** *Prerequisites:* HY 201, 202. Alabama from the era of settlement to the present
448. **The Westward Movement in American History (3).** *Prerequisites:* HY 201, 202. 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.
451. **History of Early America to 1783 (3).** *Prerequisites:* HY 201, 202. European background to exploration; exploration and settlement; the Inter-Colonial Wars; the political, social, economic, and cultural developments within the colonies.
452. **The Age of Jefferson and Jackson, 1783 to 1850 (3).** *Prerequisites:* HY 201, 202. 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.
453. **Sectional Conflict, Civil War, and Reconstruction, 1850-1877 (3).** *Prerequisites:* HY 201, 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.
454. **The Beginning of Modern America, 1877-1914 (3).** *Prerequisites:* HY 201, 202. 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.
455. **The 1920's and the Great Depression (3).** *Prerequisites:* HY 201, 202. A detailed study of American political, diplomatic, and cultural history from President Woodrow Wilson through Franklin D. Roosevelt.
456. **Contemporary America, 1945-Present (3).** *Prerequisites:* HY 201, 202. 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. (Offered every year.)
465. **The British Empire and Commonwealth (3).** *Prerequisites:* HY 101, 102. Growth and development of the British Empire, with emphasis on the factors leading to the Commonwealth of Nations.
468. **Constitutional History of England (3).** *Prerequisites:* HY 101, 102. Growth of common law, the court system, and the cabinet form of government from the earliest times to the present.
469. **Age of Churchill (3).** An examination of late Victorian-twentieth century British and World events through the career of Winston S. Churchill.

- 470. **American Diplomatic History to 1933 (3).** *Prerequisites:* HY 201, 202. History of United States foreign relations beginning with the American Revolutionary Period and continuing through the decade of the 1920's. A study of the historical changes in American foreign policy objectives which led to the increased size and importance of the United States.
- 471. **American Diplomatic History Since 1933 (3).** *Prerequisites:* HY 201, 202. A detailed study of United States' foreign relations beginning with Franklin D. Roosevelt and continuing to the present.
- 473. **Modern Middle East (3).** *Prerequisites:* HY 101, 102. This course centers around Israel's struggle for national independence and the tension this has produced in the Middle East.
- 480. **Colonial Latin America (3).** *Prerequisite:* HY 101 or 201 or permission of instructor. The interaction of Native American, European, and African people in the Spanish and Portuguese empires of the Americas, concluding with the wars for independence.
- 481. **Modern Latin America (3).** *Prerequisite:* HY 102 or 202 or permission of instructor. 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.
- 483. **United States-Latin American Relations (3).** *Prerequisites:* HY 201, 202 or permission of instructor. A survey of the diplomatic, economic, and cultural relations between the United States and the Latin American Republics from 1810 to the present.
- 484. **The United States and the Caribbean Basin in the Twentieth Century (3).** *Prerequisites:* HY 201, 202 or permission of instructor. Examines the issues, problems and international relationship of the United States with the countries of the Caribbean Central America, Mexico, Colombia, and Venezuela from the Spanish American War until the present.
- 485. **History of Mexico (3).** *Prerequisites:* HY 201, 202 or permission of instructor. 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.
- 486. **The Andean Nations (3).** *Prerequisites:* HY 201, 202 or permission of instructor. 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.
- 487. **History of Brazil (3).** *Prerequisites:* HY 201, 202 or permission of instructor. 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.

**PLAN OF STUDY
BACHELOR OF ARTS**

MAJOR: HISTORY

FRESHMAN YEAR

Fall	
EH 101	3
HY 101	3
Political Science elective	3
Natural Science sequence	4
MS 108 or higher math	3

Spring	
EH 102	3
HY 102	3
Social/Behavioral Science	3
Natural Science sequence	4
MS 110 or higher math	3

SOPHOMORE YEAR

Fall	Spring
Literature..... 3	Literature..... 3
HY 201..... 3	HY 202..... 3
Fine Arts elective..... 3	Wellness..... 3
EH 141..... 3	CS 201..... 3
Foreign language..... 3	Foreign language..... 3
Elective..... 1	Elective..... 1
<hr/> 16	<hr/> 16

JUNIOR YEAR

Fall	Spring
HY 300+(by advisement)..... 6	HY 300+ (by advisement)..... 6
Foreign language..... 3	Foreign language..... 3
Minor/electives 300+..... 6	Minor/electives 300+..... 6
<hr/> 15	<hr/> 15

SENIOR YEAR

Fall	Spring
HY 300+(by advisement)..... 6	HY 300+(by advisement)..... 6
Minor/electives 300+..... 11	Minor/electives 300+..... 11
<hr/> 17	<hr/> 17

128 hours, at least 52 hours of which must be in courses numbered 300 or above.

DESCRIPTION OF FOREIGN LANGUAGES (FL)

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).

Requirements for the major: A minimum of 36 hours in the same language, which includes 101, 102, 201, 202, 303, 304, 310, 320, 321, 322, and at least two courses numbered 400 or above. In addition each student must complete a 12-hour core in the second language, consisting of 101, 102, 321, and 322. 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 101, 102, 201, and 202 **must be taken in sequence** (unless the student is exempted by placement test or has instructor's permission). Finally, general studies courses are limited as follows: history must be HY 101, 102 (Western Civilization), literature must be EH 231, 232 (World Literature), social sciences must be GY 120 (World Regional Geography) and AN 224 (Intro to Anthropology), Natural Sciences must be BY 101-104 (Intro to Biology); additionally, students must take HPE 109 (Concepts of Wellness) and CS 201 (Intro to Information Technology), and MS 108, 110 (Exploring Mathematics, Finite Mathematics).

Requirements for the minor: A minimum of 24 hours in the same language, which must include 101, 102, 201, 202, plus 4 additional courses numbered 300 or above. Again, students with prior language experience may test out of the lower-level courses, and unless exempted, must take 101, 102, 201, and 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.

For information concerning teaching certification, please consult the College of Education entries in this catalogue or seek help from the College of Education Teacher Service Center, in room 207 Ramona Wood.

FOREIGN LANGUAGES (FL)

FRENCH (FH)

101. **Beginner's French I (3).** Beginning French grammar, pronunciation, conversation, culture, and supplementary work in the laboratory.
102. **Beginner's French II (3).** *Prerequisite: FH 101 or instructor's approval.* Continuation of Beginner's French I.
201. **Intermediate French I (3).** *Prerequisite: FH 102, or instructor's approval.* A review of French grammar and vocabulary, conversation, and discussion based on short literary selections. Writing short compositions, dialogues, etc. Laboratory required.
202. **Intermediate French II (3).** *Prerequisite: FH 201 or instructor's approval.* Continuation of Intermediate French I. Successful completion of 202 is prerequisite for **all** courses numbered 300 or higher, *except* 321 and 322.
- 303, 304. **Survey of Literature I & II (3) (3).** *Prerequisite: FH 202.* Two semesters. French literature from the Middle Ages to the Revolution (303) and from Romanticism to the present (304).
310. **Advanced Grammar and Composition (3).** *Prerequisite: FH 202.* A thorough study of syntax, structure, vocabulary, and structures that the advanced student should know. Writing expository, descriptive, argumentative, and critical compositions.
313. **Basic Business Communications (3).** *Prerequisite: FH 202.* Practice in written and spoken communications in all types of business situations for those specializing in areas where the language is French.
320. **French Conversation (3).** *Prerequisite: FH 202.* Intensive practice in conversation.
321. **French Civilization (3).** *Offered in English, no prerequisites.* Culture, history, and geography of France.
322. **Francophone Culture (3).** *Offered in English, no prerequisites.* Introduction to and examination of the culture of various French-speaking countries and regions outside Europe.
416. **Seventeenth-Century French Literature (3).** *Prerequisite: FH 202.* Reading and analysis of representative plays by Corneille, Racine, and Molière.
420. **Eighteenth-Century French Literature (3).** *Prerequisite: FH 202.* Literary, social and political trends of the Enlightenment as represented in the works of Montesquieu, Diderot, Voltaire, Rousseau and others.
- 430, 431. **Nineteenth-Century French Literature (3) (3).** *Prerequisite: FH 202.* Two semesters. Nineteenth-Century French Novel (430): reading and analysis of representative works by Stendhal, Hugo, Balzac, Flaubert, Maupassant, and Zola. Nineteenth-Century Poetry and Drama (431): reading and analysis of poetry and drama representing the major movements of the era, from Romanticism through Symbolism.
- 440, 441. **Twentieth-Century French Literature (3) (3).** *Prerequisite: FH 202.* Two semesters. Twentieth-Century Novel (440): reading and analysis of representative works by Gide, Proust, Mauriac, Sartre, Camus and Saint-Exupéry. Twentieth-Century Poetry and Drama (441): reading and analysis of poetry and drama from the major movements, including Surrealism, Theater of the Absurd, Existentialism, etc.

SPANISH (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.
102. **Beginner's Spanish II (3).** *Prerequisite: SH 101 or instructor's approval.* Continuation of Beginner's Spanish I.

201. **Intermediate Spanish I (3).** *Prerequisite: SH 102 or instructor's approval.* A review of Spanish grammar, conversation, and discussion based on short literary selections. Writing short compositions, dialogs, etc. Laboratory required.
202. **Intermediate Spanish II (3).** *Prerequisite: SH 201 or instructor's approval.* Continuation of Intermediate Spanish I. Successful completion of 202 is prerequisite for **all courses** numbered 300 or higher, *except* 321, 322, and 406.
- 303, 304. **Survey of Literature I & II (3) (3).** *Prerequisite: SH 202.* Representative Spanish writers in the major periods of their nation's cultural development. From the Middle Ages to the Golden Age (303), and from the 18th Century to the present (304).
310. **Advanced Grammar and Composition (3).** *Prerequisite: SH 202.* A thorough study of syntax, structure, vocabulary, and structures that the advanced student should know. Writing expository, descriptive, argumentative, and critical compositions.
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.
320. **Spanish Conversation (3).** *Prerequisite: SH 202.* Intensive practice in spoken Spanish using a variety of cultural activities (films, magazine articles, TV programs, etc.)
321. **Spanish Civilization (3).** *No prerequisites; offered in English.* Evolution of the culture, history, and geography of Spain.
322. **Latin American Civilization (3).** *No prerequisites; offered in English.* Evolution of the culture, history, and geography of Latin America.
405. **Golden Age Drama (3).** *Prerequisite: SH 202.* Reading and analysis of representative plays by Lope de Vega, Tirso de Molina, Alarcón, and Calderón de la Barca.
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.
408. **The Generation of 1898 (3).** *Prerequisite: SH 202.* Reading of and reports on the major works of Azorín, Unamuno, Valle-Inclán, Antonio Machado, and Pío Baroja.
409. **Contemporary Spanish Literature (3).** *Prerequisite: SH 202.* Representative works of major writers from the Spanish Civil War to the present.
410. **Latin American Literature (3).** *Prerequisite: SH 202.* Representative Latin American writers in the major periods of their nations' cultural development from the Colonial period to the present.
411. **Nineteenth-Century Spanish Poetry (3).** *Prerequisite: SH 202.* Representative poets from the Neo-Classical period, through Romanticism, Realism, Modernism, to the present.
412. **Nineteenth-Century Spanish Drama (3).** *Prerequisite: SH 202.* Reading and analysis outstanding plays with emphasis on those of Duque de Rivas, Zorrilla, Echegaray, García Gutiérrez, Hartzenbusch, and Tamayo y Baus.
413. **Nineteenth-Century Spanish Novel (3).** *Prerequisite: 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.

**PLAN OF STUDY
BACHELOR OF ARTS IN FOREIGN LANGUAGES**

**CONCENTRATIONS: FRENCH OR SPANISH
(MINOR: SECOND LANGUAGE)**

FRESHMAN YEAR

Fall	Spring
FL 101 (1st lang.) 3	FL 102 (1st lang.) 3
HY 101 3	HY 102 3
BY 101, 103 4	BY 102, 104 4
GY 120 3	EH 141, Speech 3
EH Comp 101 3	EH Comp 102 3
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16	16

SOPHOMORE YEAR

Fall	Spring
FL 201 (1st lang.) 3	FL 202 (1st lang.) 3
MS 108 3	MS 110 3
AN 224 3	EH 232 3
EH 231 3	Fine Arts Elective (ART, MU, DR) 3
FL 101 (2nd lang.) 3	FL 102 (2nd lang.) 3
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15	15

JUNIOR YEAR

Fall	Spring
FL 303, 304, 310 or 320 (1st lang.) 3	FL 303, 304, 310 or 320 (1st lang.) 3
HPE 109 3	FL 202 (2nd lang.) 3
CS 201 3	FL 321 or 322 (1st lang) 3
FL 201 (2nd lang) 3	FL Electives 400+ (1st lang.) 3
FL 321 or 322 (1st lang.) 3	Electives 3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>
15	15

SENIOR YEAR

Fall	Spring
FL 303, 304, 310 or 320 (1st lang.) 3	FL 303, 304, 310, or 320 (1st lang.) 3
FL 300+ (2nd lang.) 3	FL 321 or 322 (2nd lang.) 3
FL Electives 400+ (1st lang.) 3	FL Electives 300+ (2nd lang.) 3
FL 321 or 322 (2nd lang.) 3	Electives 9
Electives 6	
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18	18

**PLAN OF STUDY
BACHELOR OF ARTS IN FOREIGN LANGUAGE**

**CONCENTRATIONS: FRENCH OR SPANISH
(MINOR: NON FOREIGN LANGUAGE)**

FRESHMAN YEAR

Fall	Spring
FL 101 (1st lang.) 3	FL 102 (1st lang.) 3
HY 101 3	HY 102 3
BY 101, 103. 4	BY 102, 104. 4
GY 120 3	EH 141 3
EH Comp 101 3	EH Comp 102 3
16	16

SOPHOMORE YEAR

Fall	Spring
FL 201 (1st lang.) 3	FL 202 (1st lang.) 3
MS 108 3	MS 110 3
AN 224 3	EH Lit. 232. 3
EH Lit. 231. 3	Fine Arts Elective (ART, MU, DR) 3
FL 101 (2nd lang.) 3	FL 102 (2nd lang.) 3
15	15

JUNIOR YEAR

Fall	Spring
FL 303, 304, 310, or 320 (1st lang.) 3	FL 303, 304, 310, or 320 (1st lang.) 3
Minor/Electives 300+ 3	Minor/Electives 300+ 9
CS 201. 3	FL 322 (1st lang.) 3
FL 321 (1st lang.) 3	
HPE 109 3	
15	15

SENIOR YEAR

Fall	Spring
FL 303, 304, 310, or 320 (1st lang.) 3	FL 303, 304, 310, or 320 (1st lang.) 3
Individ. Study 400+ (1st lang) 3	Individ. Study 400+ (1st lang) 3
Minor/Electives 300+ 9	Minor/Electives 300+ 9
FL 321 (2nd lang.) 3	FL 322 (2nd lang.) 3
18	18

TOTAL HOURS: 128 hours, at least 52 of which must be at 300+ level.

DEPARTMENT OF LEARNING SKILLS

HOUSTON COLE LIBRARY BASEMENT

**Department Head: To Be Named
Instructors: Beckett, Brown, Gladen, Williams**

Learning Skills courses assist students in developing their basic academic skills, their reasoning and studying skills, and their career education skills. General, elective academic credit is awarded for successful completion of Learning Skills courses, except LS 094, 095, 096, 097, and 098, which carry institutional credit only.

DESCRIPTION OF COURSES

LEARNING SKILLS (LS)

095. **Reinforcing Communication Skills (3).** Individualized development of reading, writing, speaking, and thinking skills. Institutional credit only. **GRADES: A, B, C, NC.**
096. **Writing Competency Skills (1).** A review of writing skills, especially in the areas of punctuation, syntax, and coherence in writing. Designed for students, especially international, who have experienced difficulty in passing the English Competency Exam. **GRADES: A, B, C, NC.**
098. **Basic Algebra Skills (3).** Individualized instruction in beginning algebra skills. Placement in this course is determined by the Mathematics Placement Test. Not open to students with credit in MS 100, or MS 112. Institutional credit only. **GRADES: A, B, C, NC.**
100. **First Year Orientation (1).** Individualized freshman seminar providing supportive guidance on college adjustment. Open to freshmen only. **Grades: A, B, C, NC.**
103. **Reinforcing Reading Skills (3).** Individualized development of reading and thinking skills.
104. **Academic Success Skills (3).** Individualized freshman seminar providing supportive guidance in study skills, problem-solving, decision-making, and college adjustment. Open to freshmen only. **GRADES: A, B, C, NC.**
130. **Critical Thinking Skills (3).** Individualized development of higher order thinking skills needed for academic study and career success.
- 301, 302, 303. **Academic Performance Management (1-3).** Realizing that fellow students can be effective teachers, the University offers academic credit to qualified students who serve as learning assistants in selected areas. Permission of instructor is required. Each section may be duplicated up to three times for a total of 3, 6, and 9 hours for each course respectively.
350. **Diversity Education (3).** Development of personal awareness of diversity issues, encouraging tolerance and understanding of human differences.

DEPARTMENT OF MATHEMATICAL, COMPUTING,
AND INFORMATION SCIENCES (MS) (CS)

Computer Science and Computer Information Systems Programs
Accredited by the Computing Accreditation Commission of ABET, Inc.

119 AYERS HALL

Department Head: TBA

**Professors: Abercrombie, Case, Dodd, Ford, Francia, Kelley,
Krishnaprasad, Leathrum, E. Smith, J. S. White**

Associate Professors: Chao, Dempsey, J. Kim, Y. Kim

Assistant Professors: Ciganek, Franklin, Garrett, Thornton, Trifas, Yang

**Instructors: Alam, DaParma, Jensen, Kennedy, Kilgo, Knight,
Medellin, Myers, Peeples, Reaves, D. Smith, A. White, E. White**

Three majors are available: 1) Mathematics in one of three concentrations – Theoretical, Applied, and General; 2) Computer Science in one of three concentrations, Information Assurance, Game Development, and General; and 3) Computer Information Systems in one of three concentrations – Information Assurance, Web Development, and General.

The **Mathematics (MS) major** consists of prescriptive common courses, prescriptive concentration courses, and elective courses. Three concentrations are available: 1) **Theoretical**—emphasizes course work to prepare the student for graduate work in

mathematics and a career in mathematics (39 hours); 2) **Applied**—emphasizes course work to prepare the student for graduate work in applied mathematics and a career supported by significant applied mathematics (39 hours); and 3) **General**—emphasizes course work 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).

Each concentration requires completion of the following **common courses**: MS 125, 126, 227, 300, 344, 352, and 415—and must be completed with a “C” or better.

Each concentration requires completion of the following **concentration courses** with a grade of “C” or better: *Theoretical*: MS 416, 441, and any two of 442, 451, 480, or 484; *Applied*: MS 304, 309, 390, 416, and any one of 403, 404, 451, 480, 484, or 499; *General*: MS 302, 305 or 309, 323, 441, and 475.

Certain concentrations require completion of **elective courses** selected from the departmental list of approved mathematics electives as follows: *Theoretical*: at least one additional MS course numbered above 300, excluding 322; *General and Applied*: none required.

In addition to the common, concentration, and elective courses, each concentration requires the following **support courses**: CS 230 and 231, and the physics sequence PHS 211 and 212 with the associated labs.

The **Mathematics minor** requires a minimum of 21 hours in courses numbered MS 125 or above. The minor includes the calculus sequence and three courses numbered 300 or above.

The **Computer Science major** emphasizes the development of large software systems. It consists of prescriptive courses and elective courses. The **prescriptive courses** are CS 230, 231, 232, 304, 310, 331, 333, 334, 350, 450, 462, 488, and 491, and must be completed with a “C” or better. **Three concentrations** are available based on elective courses pursued: (1) **Information Assurance**: CS 307, 322, 425, and 470; (2) **Game Development**: CS 339, 432, 439, and 444 or 430; and (3) **General**: Four **elective courses** must be completed from the departmental list of approved computer science electives: two numbered 300 or above and the others numbered 400 or above. Courses in the major may not be taken until all pre-requisites are completed with a grade of “C” or better.

In addition to the major courses, **support courses** required are MS 125, 126, 227, 302, 352, one of the following natural science sequences, the physics sequence PHS 211 and 212 with the associated labs, or the chemistry sequence CY 105 and 106 with the associated labs, or the biology sequence BY 101 and 102 with the associated labs—and one additional science course with a lab component emphasizing the scientific method, either in physics, chemistry, or biology. Note that a minimum of twelve hours of natural science needs to be taken.

The **Computer Information Systems major** emphasizes the development and maintenance of business software systems. It consists of prescriptive courses and elective courses. The **prescriptive courses** are CS 230, 231, 232, 304, 310, 311, 333, 334, 350, 370, 450, 462, 488, and 491, and must be completed with a “C” or better. **Three concentrations** are available based on elective courses pursued: (1) **Information Assurance**: CS 307, 309, 322, and 425; (2) **Web Development**: CS 309, 315, 425, and 415; and (3) **General**: Four **elective courses** must be completed from the departmental list of approved computer information systems electives: two numbered 300 or above and the others numbered 400 or above. 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 ACC 200, EC 221, FIN 301, MGT 301, MKT 301, MS 120 or MS 125, and MS 302.

The **Computer Science minor** requires 21 hours consisting of CS 230, 231, 232, 310, 333, 350, and 488. The **Computer Information Systems minor** requires 21 hours consisting of CS 230, 231, 232, 310, 311, 370, and 488. The **Applied Information Processing minor** requires 21 hours consisting of CS 230 and six CS courses selected out of CS 231, 300, 302, 303, 305, 307, 309, 310, 315, 322, and 339. Note that all prerequisites will be strictly enforced.

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. The “Plan of Study” is located after the “Description of Courses” for each major. 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. Students may also use the Internet to obtain an outline of the specific courses required for their chosen major and concentration. The URL is <http://mcis.jsu.edu>.

MATHEMATICS (MS) DESCRIPTION OF COURSES

NOTE: The MCIS department offers a mathematical placement exam that is required for students who do not have an American College Test (ACT) or Scholastic Aptitude Test (SAT) score available; for students whose ACT or SAT scores are more than three years old as of the beginning of the term for which the student is registering; for students whose ACT or SAT scores are not sufficient to accurately determine placement; or for students who want to improve an existing placement based on their ACT or SAT score. These students should contact the MCIS department to schedule an exam. For all other students, information regarding placement in an initial mathematics course based on ACT or SAT scores may be found on the MCIS department web page, <http://mcis.jsu.edu>. The placement criteria found on the web page are subject to change. Students will be placed based on the criteria which are current at the time of enrollment in their initial mathematics course.

100. **Intermediate Algebra (3).** *Prerequisite: LS 098 or satisfactory score on ACT/SAT or the departmental placement test.* Operations/properties of real numbers, exponents and complex numbers; factoring, solution/application of linear and quadratic equations; operations on polynomials and rational expressions. (Not open to students with credit in MS 125 or higher.) Grades: A, B, C, NC.
108. **Exploring Mathematics (3).** *Prerequisite: MS 100 with a "C" or better or satisfactory score on ACT/SAT or the departmental placement test.* An introduction to mathematics with topics useable and relevant to any person. Topics include elementary logic, problem solving techniques, use of quantitative techniques, statistical reasoning, and modeling. (Not open to students with credit in MS 133.) (Department credit not given for mathematics majors or minors.)
110. **Finite Mathematics (3).** *Prerequisite: MS 100 with a "C" or better or satisfactory score on ACT/SAT or the departmental placement test.* Systems of equations and matrices, linear programming, mathematics of finance, sets and counting, probability, and probability distribution and statistics. Computer applications using Microsoft Excel. (Department credit not given for mathematics majors or minors.)
111. **Honors Finite Mathematics (3).** *Prerequisite: Satisfactory score on ACT/SAT or the departmental placement test or by advisement.* Advanced study of matrices, linear programming, mathematics of finance, probability, probability distribution, and statistics with emphasis on writing, projects, and technology. Computer application using Microsoft Excel. (Department credit not given for mathematics majors or minors.)
112. **Precalculus Algebra (3).** *Prerequisite: MS 100 with a "C" or better or satisfactory score on ACT/SAT or the departmental placement test.* First and second degree equations and inequalities; linear and quadratic functions and graphs; polynomial and rational functions; exponential and logarithmic functions; and systems of equations. (Not open to students with credit in MS 125 or higher.)
113. **Precalculus Trigonometry (3).** *Prerequisite: MS 112 with a "C" or better or satisfactory score on ACT/SAT or the departmental placement test.* Trigonometric functions and inverses, applications, graphs, identities and equations, laws of sines and cosines, vectors and complex numbers.
115. **Precalculus Algebra and Trigonometry (4).** *Prerequisites: MS 112 with a "B" or better or MS 113 with a "C" or better or satisfactory score on ACT/SAT or the departmental placement test.* 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.

117. **Advanced Technical Mathematics I (2).** *Prerequisite: MS 112 with a "C" or better or satisfactory score on ACT/SAT or the departmental placement test.* Selected topics from: unit conversions, geometry, trigonometry, differential and integral calculus. Applications emphasize solving problems in technology. Open only to students in the Technology program, except by instructor permission. Student cannot receive credit for both this course and TEC 302. (Department credit not given for mathematics majors or minors.)
119. **Advanced Technical Mathematics II (2)** *Prerequisite: MS 117 with a "C" or better.* Selected topics from: unit conversions, geometry, trigonometry, differential and integral calculus. Applications emphasize solving problems in technology. Open only to students in the Technology program, except by instructor permission. Student cannot receive credit for both this course and TEC 302. (Department credit not given for mathematics majors or minors.)
120. **Calculus and Its Applications (3).** *Prerequisite: MS 112 with a "C" or better or satisfactory score on ACT/SAT or the departmental placement test.* Topics in differential and integral calculus with business applications, functions of several variables, partial derivatives with business applications, Lagrange Multipliers, and multiple integration. (Department credit not given for mathematics majors or minors.)
125. **Calculus I (4).** *Prerequisite: MS 113 with a "B" or better or MS 115 with a "C" or better or satisfactory score on ACT/SAT or the departmental placement test.* Introduction to analytic geometry, functions and limits, differentiation with applications, anti-derivatives, definite integrals, numerical integration, calculus of transcendental functions.
126. **Calculus II (4).** *Prerequisite: MS 125 with a "C" or better.* Applications of integration, techniques of integration, improper integrals, indeterminate forms, infinite series, vectors in the plane and in 3-space.
133. **Mathematical Concepts I (3).** *Prerequisite: MS 112.* Preparation for implementation of standards set by the NCTM. Problem solving, set theory, number theory, real number operations, historical development and structure of number systems. (Not open to students with credit in MS 108.) (Enrollment by advisement only.) Two hours lecture and two hours lab.
134. **Mathematical Concepts II (3).** *Prerequisites: MS 112 and 133.* A thorough study of geometry, measurement, and statistics as recommended by the NCTM. Problem solving and application are emphasized. (Enrollment by advisement only.) Two hours lecture and two hours lab.
135. **Mathematical Concepts III (3).** *Prerequisites: MS 112 and 133.* Further study in NCTM recommended math content to include logic, probability, principles of counting, algebraic reasoning and representation. (Enrollment by advisement only.) Two hours lecture and two hours lab.
204. **Basic Statistics (3).** *Prerequisite: MS 108 or 110 or 112 or satisfactory score on ACT/SAT or the departmental placement test.* Numerical descriptive methods, axioms of probability, random variables, statistical inference, point and interval estimation of mean, and hypothesis testing. (Department credit not given for mathematics majors or minors.)
227. **Calculus III (4).** *Prerequisite: MS 126 with a "C" or better.* Polar coordinates, parametric equations, vector-valued functions, multivariate functions, multiple integrals, vector analysis.
250. **Introduction to Linear Algebra (3).** *Prerequisite: 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.
300. **Introduction to Advanced Mathematics (3).** *Prerequisites: 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.

302. **Applied Probability and Statistics (3).** *Prerequisite:* 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.
304. **Mathematical Statistics I (3).** *Prerequisite:* MS 126 with a "C" or better. Probability, discrete random variables and their probability distributions, continuous random variables and their probability distributions, estimation and confidence intervals, hypothesis testing, and analysis of enumerative data.
305. **Number Theory (3).** *Prerequisite:* MS 126 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.
309. **Combinatorics (3).** *Prerequisite:* MS 126 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.
322. **Selected Survey of Secondary School Mathematics (3).** *Prerequisites:* MS 112 and 113 or equivalents. For students pursuing certification in mathematics. Overview of secondary school mathematics for prospective and in-service teachers of mathematics. (Department credit not given for mathematics majors or minors.)
323. **College Geometry (3).** *Prerequisite:* MS 300. Euclidean geometry including synthetic and analytic proofs, geometric constructions, properties of the triangle and circle; an introduction to non-Euclidean geometry.
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.) (Course graded Pass/Fail.)
332. **Peer Educator (2).** 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.) (Course graded Pass/Fail.)
344. **Differential Equations (3).** *Prerequisite:* 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.
352. **Linear Algebra (3).** *Prerequisite:* MS 126 with a "C" or better. Matrices, linear systems, vector spaces with emphasis on algebraic structures.
390. **Numerical Analysis (3).** *Prerequisites:* MS 352 and CS 231 with a "C" or better in both. Numerical analysis and computing with emphasis on methods adaptable to electronic computing machinery.
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.
403. **Vector Analysis (3).** *Prerequisite:* MS 227. The algebra and calculus of vectors; applications to geometry, electricity, harmonic functions, and potentials.
404. **Mathematical Statistics II (3).** *Prerequisites:* MS 227 and 304. A continuation of MS 304. Selected topics from multivariate probability distributions, functions of random variables, approximations to probability distributions, methods of estimation, linear models and least squares estimators, analysis of variance, and non-parametric statistics.

- 415. **Advanced Calculus I (3).** *Prerequisites: MS 227 and 300.* Real number system, elementary point set theory, limits, theory of continuous functions, differentiable functions.
- 416 **Advanced Calculus II (3).** *Prerequisite: MS 415.* Selected topics from advanced calculus. Elements of partial differentiation including the general theorems, Jacobians. Topics on the theory of integration.
- 423. **A Survey of Geometries (3).** *Prerequisite: MS 323.* Selected topics from advanced Euclidean geometry, finite geometries, Non-Euclidean geometry, and other related topics.
- 441. **Abstract Algebra I (3).** *Prerequisites: MS 300 and 352.* Algebraic structures, rings, and fields. The axiomatic approach.
- 442. **Abstract Algebra II (3).** *Prerequisite: MS 441.* Introduction to group theory and related topics.
- 451. **Functions of a Complex Variable (3).** *Prerequisites: MS 227 and 300 and 415.* Fundamental operations with complex numbers, differentiation and integration theorems, mappings, series, and residues.
- 475. **Senior Seminar in Mathematics (3).** *Prerequisite or corequisite: MS 415 or 441 or 451, and senior standing.* A capstone course in advanced mathematics. 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.
- 480. **Introductory Topology (3).** *Prerequisite: MS 415.* Basic topological concepts to include topological spaces, mapping, compactness, connectedness, and separation axioms.
- 484. **Partial Differential Equations (3).** *Prerequisites: MS 227 and 344.* Standard methods of solution: separation of variables, Fourier Series, Laplace Transforms. Selected applications.
- 499. **Undergraduate Research in Mathematics (3).** *Prerequisites: MS 302 or 304 or 415 or 441, senior standing, and permission 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.

**PLANS OF STUDY
BACHELOR OF SCIENCE**

MAJOR: MATHEMATICS

NOTE: This schedule reflects the mathematics program beginning with Calculus I (MS 125). Freshman mathematics majors needing additional preparation before beginning calculus will be placed in the appropriate algebra or pre calculus courses that provide this preparation. See advisor.

FRESHMAN YEAR

Fall	Spring
MS 125, Calculus I 4	MS 126, Calculus II. 4
CS 230. 3	CS 231. 3
EH 101 3	EH 102 3
HY 101 /201. 3	HY 102 /202. 3
Social/Behavioral Science. 3	Social/Behavioral Science. 3

SOPHOMORE YEAR

Fall	Spring
MS 227, Calculus III 4	MS 300, Advanced Math 3
Literature 3	MS 352, Linear Algebra 3
PHS 211 /213 5	EH 141 3
Fine Arts 3	Literature 3
.....	PHS 212/214 5
15	17

CONCENTRATION: THEORETICAL

JUNIOR YEAR

Fall	Spring
MS 344, Differential Equations. 3	MS 415, Advanced Calculus I. 3
MS 300+ Elective (exc. 322). 3	MS 441, Abstract Algebra I 3
Minor/Electives 10	Minor/Electives 10
16	16

SENIOR YEAR

Fall	Spring
MS 442 or 451 or 480 or 484,	MS 442 or 451 or 480 or 484,
Abs Algebra II or Com Var or.	Abs Algebra II or Com Var or
Intro Top or Par Diff Equations 3	Intro Top or Par Diff Equations 3
MS 416, Advanced Calculus II 3	Minor/Electives 13
Minor/Electives 10	
16	16

TOTAL HOURS: 128

CONCENTRATION: APPLIED

JUNIOR YEAR

Fall	Spring
MS 344, Differential Equations. 3	MS 390, Numerical Analysis. 3
MS 403 or 404 or 451 or 480 or 484 or	MS 415, Advanced Calculus I. 3
499, Vec Analysis or Math Stats II or	Minor/Electives 10
Com Var or Intro Top or Par Diff	
Equ or Under Research 3	
Minor/Electives 10	
16	16

SENIOR YEAR

Fall	Spring
MS 304, Math Statistics I 3	MS 309, Combinatorics 3
MS 416, Advanced Calculus II 3	Minor/Electives 12
Minor/Electives 9	
15	15

TOTAL HOURS: 128

CONCENTRATION: GENERAL

JUNIOR YEAR

Fall	Spring
MS 323, College Geometry 3	MS 305 or 309, Number Theory or Combinatorics. 3
MS 344, Differential Equations. 3	MS 441, Abstract Algebra I. 3
Minor/ Electives 10	Minor/ Electives 10
—————	—————
16	16

SENIOR YEAR

Fall	Spring
MS 302, Applied Prob and Stats. 3	MS 475, Senior Seminar in Math 3
MS 415, Advanced Calculus I. 3	Minor/ Electives 13
Minor/ Electives 10	
—————	—————
16	16

TOTAL HOURS: 128

COMPUTER SCIENCE (CS)

DESCRIPTION OF COURSES

- 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.)
- 202. Honors Introduction to Information Technology (3).** *Prerequisite:* 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.)
- 230. Fundamentals of Computing (3).** Lecture/3 hours, Lab/1.5 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.)
- 231. Computer Programming I (3).** Lecture/3 hours, Lab/1.5 hours. *Prerequisites:* CS 230 with a "C" or better and overall GPA of 2.0 or higher and MS 112 or higher level mathematics (excluding MS 113) or placement determined by ACT/SAT. 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.
- 232. Computer Programming II (3).** Lecture /3 hours, Lab/1.5 hours. *Prerequisite:* CS 231 with a "C" or better. 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.
- 300. Microcomputing (3).** *Prerequisite:* CS 231. 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.
- 302. Database Applications (3).** *Prerequisite:* CS 231. Introduction to database management systems using a current DBMS package; development of menu-driven database applications.

303. **Advanced Computer Applications (3).** *Prerequisite:* CS 231. A continuation of hands-on experience with selected application software. Includes advanced topics in an object-oriented language.
304. **Technical Writing for Computer Science (3).** *Prerequisites:* 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.
305. **Spreadsheet Modeling (3).** *Prerequisites:* 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.)
307. **Management of Information Security and Forensics (3).** *Prerequisite:* 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.
309. **Introduction to E-Commerce(3).** *Prerequisite:* 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.
310. **Software Engineering I (3).** *Prerequisite:* CS 231. 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.
311. **Management Information Systems (3).** *Prerequisite:* CS 231. Study of the systems concept and its relationship to information requirements for decision making and management in traditional and e-commerce environments.
312. **Software User Documentation (3).** *Prerequisites:* CS 310 and EH 102. Introduction to writing, analyzing, and evaluating effective software documentation. Exposure to proposal writing. Emphasis on writing software user manuals.
315. **Introduction to Web Design (3).** *Prerequisite:* 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.
322. **Document Management (3).** *Prerequisite:* 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.
325. **Web Scripting (3).** *Prerequisite:* CS 231 or 315. 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.

331. **Data Structures and Algorithms (3).** *Prerequisite:* 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.
333. **Computer Organization and Architecture (3).** *Prerequisite:* CS 232. Digital logic; instruction set architecture and computer organization; memory systems; functional organization; interfacing and communication; multiprocessing and alternative architectures.
334. **Discrete Computational Structures (3).** *Prerequisite:* CS 230 and MS 112 or higher. Introduction to the 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.
339. **Game Design I (3).** *Prerequisites:* CS 201 and EH 102. 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.
340. **Discovering Genomics and Bioinformatics (3).** *Prerequisites:* CS 230 and BY 322. 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.)
350. **Fundamentals of Computer Operating Systems (3).** *Prerequisite:* CS 232. Introduction to operating systems, real and virtual storage concepts, system resources and their management, multi-program and multi-process systems. Mainframe, mini-computer and microcomputer systems.
370. **COBOL for Information Systems (3).** Lecture/3 hours, Lab/1.5 hours. *Prerequisite:* CS 232. An introduction to solving business problems using structured programming techniques and methodology for both interactive and batch processing. Integral, scheduled laboratory.
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.
400. **Business Information Management (3).** *Prerequisite:* 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.)
415. **Dynamic Web Application (3).** *Prerequisite:* 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.
417. **System Modeling/Simulation (3).** *Prerequisites:* MS 204 or 302 or 304 and CS 232. The design/structure of discrete-event simulation including model construction, validation, result analysis, documentation, and the use of special purpose simulation languages.

420. **Algorithms Design/Analysis (3).** *Prerequisite:* CS 331. Survey of design and analysis of efficient algorithms. Introduces methods of describing algorithm time and space complexity and various problem-solving techniques.
425. **Web Application Development Using Web Services (3).** *Prerequisite:* CS 310. 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.
430. **Human-Computer Interaction (3).** *Prerequisite:* 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. Offered every two years during spring semester.
432. **Computer Graphics (3).** *Prerequisites:* 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. Offered every two years during spring semester.
433. **Advanced Computer Architecture (3).** *Prerequisite:* CS 333. Advances in instruction-set architecture, instruction-level parallelism, pipelining, memory hierarchy design, vector/parallel computers, multiprocessors, and interconnection networks.
439. **Game Design II (3).** *Prerequisites:* CS 331 and CS 339. Principles of game development. Covers relevant game mathematics and data structures; selected artificial intelligence topics common to game development; programming and optimization techniques; game engines; and software engineering and project management for game development.
440. **Advanced COBOL for Information Systems (3).** *Prerequisite:* CS 370. A continuation of CS 370 with concentration on advanced applications of COBOL programming. Emphasis on table handling, sort features, direct access, GUI and Web applications.
441. **Computer System Programming (3).** *Prerequisite:* CS 350. Use of a high-level language in the development, interfacing and integration of assemblers; compilers, operating systems; and machine architecture.
442. **Compiler Construction (3).** *Prerequisite:* CS 331. The theory behind and construction of compilers. Various parsing methods, intermediate code, and storage allocation will be discussed.
443. **Expert Systems (3).** *Prerequisite:* CS 232. This course is an introduction to the definition, design, and development of expert systems.
444. **Artificial Intelligence (3).** *Prerequisites:* CS 331 or 350 or permission of instructor. An introduction to the principles and methods used in artificial intelligence programs with a focus on autonomous agents. Offered every two years during fall semester.
450. **Computer Networking (3).** *Prerequisite:* CS 350. Study of computer interconnection and protocols with emphasis on network layers, error detection/correction, data compression, and topologies. Project approach utilized.
453. **Survey of Programming Languages (3).** *Prerequisite:* CS 232. Surveys major issues in programming language design, formal representations for language syntax and semantics, introduces underlying language theory, and examines major language models.
454. **Assembly Language Programming (3).** *Prerequisite:* CS 232. Introduction to symbolic assembler language; program linkage; I/O instructions; system and user defined macros; and machine organization.
462. **Ethics and Legal Issues (3).** *Prerequisite:* CS 310 or permission of instructor. An overview of legal, ethical, global and professional issues in computing.

- 470. **Computer Security (3).** *Prerequisite:* CS 350. Study of network security architectures and models, cryptography, authentication and authorization protocols, secure application and systems development, and federal regulations and compliance. Emphasis is on security professional certification.
- 488. **Database Systems (3).** *Prerequisite:* CS 232. Concepts and terminology associated with data structure, file organization, access methods, packaged systems, database design and database systems.
- 491. **Software Engineering II (3).** *Prerequisite:* CS 310. This course is a continuation of software engineering that emphasizes implementing and testing software, developing and using process and product metrics, and managing software projects. A team approach and extensive semester project will develop student expertise.
- 496. **Laboratory Practicum (1).** *Prerequisite:* *Permission of department head.* Four hours of laboratory each week. Students learn to utilize various computer hardware and software while assisting a computer science faculty member. For CS/CIS juniors and seniors.
- 499. **Special Topics (3).** *Prerequisites:* *Senior status and permission 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.

**PLANS OF STUDY
BACHELOR OF SCIENCE**

**MAJORS: COMPUTER SCIENCE AND
COMPUTER INFORMATION SYSTEMS**

NOTE: This schedule reflects the computer science program beginning with Calculus I (MS 125) and the computer information systems program beginning with Calculus and Its Applications (MS 120) or Calculus I (MS 125). 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.

COMPUTER SCIENCE

FRESHMAN YEAR

Fall	Spring
CS 201, Information Technology 3	CS 231, Computer Programming I 3
CS 230, Fund. of Computing 3	CS 334, Discrete Comp Structures 3
EH101 3	EH 102 3
Fine Arts 3	EH 141 3
Natural Science. 4-5	Natural Science. 4-5
16-17	16-17

SOPHOMORE YEAR

Fall	Spring
CS 232, Computer Programming II. . . . 3	CS 331, Data Structures & Algorithms . 3
CS 304, Tech Writing for Comp Sc. . . . 3	CS 333, Comp Org & Architecture. . . . 3
CS 310, Software Engineering I 3	MS 126, Calculus II. 4
MS 125, Calculus I 4	HY 102/202. 3
HY 101/201. 3	CS Elective*. 3
16	16

JUNIOR YEAR

Fall	Spring
CS 491, Software Engineering II. 3	CS 350, Operating Systems. 3
MS 227, Calculus III. 4	CS 488, Database Systems. 3
CS Elective*. 3	Natural Science. 4
Literature. 3	Literature. 3
Social/Behavioral Science. 3	Social/Behavioral Science. 3
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16	16

SENIOR YEAR

Fall	Spring
CS 450, Computer Networking 3	CS 462, Ethics & Legal Issues. 3
CS Elective*. 3	CS Elective*. 3
MS 302, Applied Prob & Stats 3	MS 352, Linear Algebra. 3
Minor/Electives 6-8	Minor/Electives 6
<hr/>	<hr/>
15-17	15

TOTAL HOURS: 128

*Refer to specific elective requirements for each concentration

COMPUTER INFORMATION SYSTEMS

FRESHMAN YEAR

Fall	Spring
CS 201, Information Technology 3	CS 231, Computer Programming I 3
CS 230, Fund. of Computing 3	CS 334, Discrete Comp Structures 3
EH 101 3	EH 102 3
Fine Arts 3	EH 141 3
Natural Science. 4-5	Natural Science. 4-5
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16-17	16-17

SOPHOMORE YEAR

Fall	Spring
CS 232, Computer Programming II. . . . 3	CS 311,MIS. 3
CS 304, Tech Writing for Comp Sc. . . . 3	CS 333, Comp Org & Architecture. . . . 3
CS 310, Software Engineering I 3	CS Elective*. 3
MS 120 or 125, Calc/ Apps or Calc I . . 3-4	EC 221 3
ACC 200. 3	HY 101/201. 3
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15-16	15

JUNIOR YEAR

Fall	Spring
CS 370, COBOL for Info Sys 3	CS 350, Operating Systems. 3
CS 491, Software Engineering II. 3	CS 488, Database Systems. 3
CS Elective*. 3	MGT 301 3
Literature. 3	HY 102/202. 3
Minor/Electives 3	Literature. 3
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15	18

SENIOR YEAR

Fall	Spring
CS 450, Computer Networking 3	CS 462, Ethics & Legal Issues 3
CS Elective* 3	CS Elective* 3
MS 302, Applied Prob and Stats. 3	FIN 301. 3
MKT 301 3	PSY 201 3
Minor/Electives 3	Minor/Electives 3-6
<hr style="width: 20%; margin: 0 auto;"/> 15	<hr style="width: 20%; margin: 0 auto;"/> 15-18

TOTAL HOURS: 128

*Refer to specific elective requirements for each concentration

DEPARTMENT OF MUSIC (MU)**201 MASON HALL****Accredited by the National Association of Schools of Music****Department Head: Legare McIntosh****Professors: McIntosh, Merriman, Roberts, Steward****Associate Professors: Baptiste, Collins, Corbin, C. Crotts, Logsdon****Assistant Professors: Faughn, Wight****Instructors: Brandon, K. Crotts, Gillespie, Hosmer, Stricklin, Stovall, Tyler****Mission**

The Department of Music seeks to provide professional training and promote scholarship among students in the discipline of music. It recognizes the interdependence among performance studies, music education and the theoretical and historical aspects of music study and seeks to develop student excellence in each area. Through the presentation of a variety of ensembles, solo performances and curricular offerings, the Department serves the musical needs of the University, the General College student, campus cultural goals, musical needs of the region and fosters exemplary preparation and training of music educators. The Department seeks to develop musicians who are aware of the past, actively engaged in the present and dynamically anticipating the future. The Department prepares musicians capable of leading and making musical contributions in what ever community or walk of life they choose.

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 non-music minor.

Admission requirements: Students seeking to pursue a degree in Music must be admitted into the program. Acceptance requires a formal audition in the student's primary performance medium (vocal or instrumental), theory and keyboard examinations and evaluation of the student's potential for success by a faculty committee. These 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 Major

See "Plan of Study" for either Concentration One or Concentration Two. These plans are located after the "Description of Courses." All students, but especially potential transfer students, should note the specific courses required for their selected "Plan of Study." Students may also use the Internet to obtain an outline of the specific courses required for their chosen concentration.

Music Minor

Music 101, 102 (Music Theory).....	6
Music 111, 112 (Aural Skills).....	2
Individual Applied Music (3 consecutive semesters).....	6
Music 233 (Introduction to Music)	3
Music Elective 300+	4
Music 104, 105 (Concerts and Recitals).....	0
Ensemble (3 semesters, 2 must be 300+).....	3
Total	24

Music Electives for non-music majors

Introduction to Music (MU 233) and all ensembles 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.

DESCRIPTION OF COURSES

APPLIED MUSIC

Courses in applied music include individual and class instruction in voice, piano, or band and orchestral instruments. The student may elect that area of individual instruction best adapted to his/her own individual needs. Class instruction is designed to cover all phases and activities of vocal and instrumental music to insure that the student receives a practical and broad musical experience.

Each student must take a placement examination for the first course attempted in any applied music area, and performance examinations are given at the end of each semester. All Music majors must pass a piano proficiency examination before graduation. This test will be administered by the piano faculty and may be taken at any time during the student’s undergraduate study.

Each student must take a placement examination for the first course attempted in any applied music area, and jury performance examinations are given at the end of each semester. All Music majors must pass a piano proficiency examination before graduation. This test will be administered by the piano faculty.

All students majoring in Music will appear in recital performance. Specific degree requirements concerning recital performance may be obtained from the academic advisor. The academic advisor reserves the right to advise individual students to suit individual needs.

DESCRIPTION OF COURSES

PERFORMANCE AND APPLIED MUSIC

Applied Music courses are available to all University enrolled students regardless of major or minor. Entrance to each of the courses, however, is determined by a placement test prior to the student’s registration to determine ability to study at the undergraduate level and requires permission of the individual instructor. Students enrolled in Applied Music courses will meet public performance recital requirements and end of semester Music Jury performance examinations as specified by the instructor.

113 through 414. Secondary Applied Music (2 each semester). 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.

134 through 435. Primary Applied Music (2 each semester). For Music Majors and Minors, upon approval of instructor. Primary Applied Music includes mastery of etudes (studies), significant music literature and improvisation. Public performance is a required component of the course.

Individual Voice. Training the solo voice with emphasis on vocal technique, song interpretation, and repertoire. Materials are drawn from the rich heritage of song literature from Elizabethan song-writers and early Italian masters to 20th Century composers. Seminars in vocal repertoire and performance help students gain a fuller knowledge of and experience in the art of singing.

Individual Piano. The study of the piano involving scales (major, minor, and chromatic), arpeggios (major, minor, dominant sevenths, and diminished sevenths), transpositions, sight reading, and improvisations of melodies with accompaniment. Repertoire for piano, depending upon level, to be representative of all periods of musical history. Repertoire class is intended to increase the student's knowledge of piano literature and performance techniques.

Individual Organ. Before beginning the study of organ, the student should already have mastered fundamental piano technique. Basic repertoire includes works ranging from Baroque to contemporary composers.

Individual Flute. A graded selection of materials will be used to build technique and musicianship including scales and arpeggio studies in various forms and etudes by Garibaldi, Andersen, Berginguier, Moyses, Bozza, and others. Repertoire of all periods will be studied, including works by Bach, Handel, Vivaldi, Chaminade, Hindemith, Poulenc, Debussy, Mozart, and others.

Individual Oboe. Studies by Frerling, Barret, Andraud, and others. Repertoire of all historical periods, including Handel Sonatas and Concerti Grossi Nos. 8, 9, and 10; Schumann Romances, Op. 94; Marcello Concerto in C minor; Hindemith Sonata; Nielsen Fantasy Pieces, Op. 2; and others. Excerpts from orchestral and band repertoire.

Individual Clarinet. A graded selection of materials will be used to build technique and musicianship, including scales and arpeggio studies in various forms and etudes by Rose, Thurston, Bozza, Polatschek, Gambaro, Capelle, and others. Repertoire of all periods will be studied including works by Stamitz, Bozza, Marty, Von Weber, Mozart, Brahms, Hindemith, Debussy, and others.

Individual Saxophone. A graded selection of materials will be used to build technique and musicianship, including scales and arpeggio studies in various forms and studies by Teal, Mule, Samie, Berbiquier, Terschak, Soussman, Boehm, Ferling, and others. Repertoire of all periods will be studied.

Individual Bassoon. Studies by Weissenborn, Jancourt, Oubradous, and others. Repertoire from all periods including Mozart Concerto; transcriptions of Bach Cello Suites; Weber Concerto in F, Op. 75; Hindemith Sonata; Saint-Saens Sonata, Op. 168; Dunhill Lyric Suite, Op. 196; and others. Excerpts from standard orchestral and band literature.

Individual Trumpet or Cornet. Standard studies such as Arban, St. Jacome, and Schlossberg. Excerpts from standard band and orchestral literature, such as Berlioz, Wagner, Strauss, and others. Solo and ensemble literature such as transcriptions of Purcell and Monteverdi canons and madrigals. Bach fugues, Fitzgerald Concerto in A Flat, Sowerby Sonata for Trumpet and Piano, Bozza Badinage, Ibert Impromptu, Haydn Concerto, Hindemith Sonata.

Individual French Horn. Tone and technic study such as Pares Daily Exercise, Pattag Selected Studies, Alphonse studies, etc. Solos representative of the repertoire, such as those by Mozart, Cohen, and Busser. Muting and transposition techniques.

Individual Euphonium. Manuscript and published materials similar to those for trombone. Development of valve technique and acquisition of facility in reading both bass and transposing treble clefs through the study of methods and etudes by Arban, Duhem, Charlier, Brasch, and others. Solo repertoire, both original and in transcription, of all periods, including works by J. S. Bach, Vivaldi, Mozart, Barat, Rousseau, Clarke, Bozza, and others. Study of standard band and orchestra excerpts.

Individual Trombone. A comprehensive study of manuscript and published material dealing with breath support and control, embouchure formation and development, tone production, articulation, and intonation. Methods and studies for the development of musicianship and technique, single and double-rotor skills, facility in reading tenor and alto clefs by Arban, Ostrander Rochut, Blume, Blazhevich, Kopprasch, and others. Solo repertoire, both original and in transcription, of all periods, including works by J. S. Bach, Wagenseil, Saint-Saens, Hindemith, Martin, Bozza, and others. Individual and ensemble study of excerpts from the standard orchestral literature.

Individual Tuba. Manuscript and published materials similar to those for trombone. Development of valve technique and acquisition of facility in reading both transposing bass and treble clefs, thus making available both trombone and trumpet study literature. Studies by Arban, Bell, Rochut, Blazhevich, Kopprasch, and others. Solo repertoire, both original and in transcription, of all periods, including works by J. S. Bach, Vivaldi, Beethoven, Hindemith, Persichetti, Vaughan-Williams, and others. Study of excerpts from the standard orchestral literature.

Individual Percussion. Thorough mastery of Gardner studies; also studies by Buggert, Harr, and Stone. Excerpts from standard band and orchestra literature. Special attention to chamber music involving percussion such as Bartok Sonata for Two Pianos and percussion, Stravinsky Tale of a Soldier, Milhaud Concerto, Varese Ionization, Kohs Night Watch, and others. All percussion majors will be expected to develop considerable keyboard skill. The rudimental drumming approach is not emphasized as an ultimate goal.

300. **Junior Recital (0).** *Corequisite: MU 335.* Junior Recital is designed to be taken concurrently with the sixth semester of applied music during which the junior recital is presented.

400. **Senior Recital (0).** *Corequisite MU 435.* Senior Recital is designed to be taken concurrently with the eighth semester of applied music during which the senior recital is presented.

MUSIC THEORY AND LITERATURE

Majors are required to complete six semesters (MU 104, 105, 204, 205, 304, 305) and minors are required to complete two semesters (MU 104, 105) of Concerts and Recitals. Requirements for this course for transfer students are determined by the department head based upon a review of transcript.

100. **Introduction to Music Theory (3).** Basic terminology of music theory, properties of tone and rhythm, principles of reading staff notation, bass and treble clefs, notation of rhythm and meter, construction of scales and intervals.

101. **Music Theory (3).** *Prerequisite: Ability to read music (base and treble clefs).* Music fundamentals, including written skills, keys, scales, intervals, triads, and elementary harmonic movement.

102. **Music Theory (3).** *A continuation of MU 101, a prerequisite.* Includes knowledge of figured bass, non-harmonic tones and dominant seventh chords.

104 **Through 305. Concerts and Recitals (0 each semester).** Applied students must attend a specified number of department-sponsored concerts or recitals each semester. Off-campus performances may be substituted for department-sponsored concerts or recitals upon presentation of a program and with the approval of the applied instructor.

111. **Aural Skills (1).** *Prerequisite: Ability to read music (base and treble clefs).* The development of aural skills through singing, dictation, and keyboard harmony.

112. **Aural Skills (1).** *Prerequisite: MU 111.* The development of musicianship skills particularly through singing and dictation.

141. **Singing Diction (2).** Study and practice of phonetic sounds in singing English and Italian songs and arias. Vocal literature will be performed and evaluated in class.
142. **Singing Diction (2).** *Prerequisite: MU 141.* Study and practice of phonetic sounds in singing French and German art songs. Vocal literature will be performed and evaluated in class.
201. **Music Theory (3).** *Prerequisite: MU 102.* The study of voice leading, nonharmonic tones, secondary dominants, and modulation.
202. **Music Theory (3).** *A continuation of MU 201, a prerequisite.* The study of advanced chromatic harmony and large forms.
203. **History of American Jazz (3).** A comprehensive, formalized study of American Jazz Masterpieces from 1900 to the present.
211. **Aural Skills (1).** *Prerequisite: MU 112.* The development of musicianship skills particularly through singing and aural dictation.
212. **Aural Skills (1).** *Prerequisite: MU 211.* The continued development of musician-ship skills particularly through singing and aural dictation.
233. **Introduction to Music (3).** Music fundamentals, literature, and appreciation. (Meets Area II General Studies Requirement for majors other than music.)
236. **Honors Introduction to Music (3).** *Prerequisites: permission of instructor; ability to read musical notation. Substitutes for MU 233.* Advanced study in basic music litera-ture from pre-Baroque to present stressing development of recognition of various styles, genres, and musical forms through individualized listening activities.
301. **Music Theory (2).** *Prerequisite: MU 202.* A study of the techniques and styles em-ployed by art music composers since 1900. The course emphasizes learning how to listen to, appreciate, and interpret music written in the last hundred years.
302. **Music Theory (2).** *Prerequisite: MU 202.* The study of tonal counterpoint consis-tent with common practices of tonal composition.
332. **Pre-College Piano Literature (2).** *Prerequisites: MU 234 or 214 (Applied Piano).* Study of literature that forms the basis of piano instruction at the elementary through intermediate levels from all music style periods.
353. **Survey of Black Music (3).** An analytical examination of the works, careers, and performances of leading Afro-American musicians from the 18th century to the present.
399. **Study Tour (3).** Topics, excursions, and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied to-ward any major or minor. Infrequently scheduled and subject to minimum and maxi-mum numbers. Advance deposit required.
404. **Music Theory: Composition (3).** An introduction to the art of composition through analysis and application of contemporary techniques.
405. **Theory and Composition of American Jazz (3).** *Prerequisites: MU 101, 102, 111, 112.* A comprehensive formalized study of American Jazz Masterpieces from 1900 to the present. Ear training, harmonic analysis, formal and structural consider-ations, composition, arranging.
408. **Art Song (3).** *Prerequisite: Permission of instructor.* A survey course examining the major categories of solo vocal literature with a detailed study of selected songs.
409. **Opera Literature (3).** *Prerequisite: Senior standing.* The development of opera as a form with a detailed study of selected works.
411. **Music History and Literature (3).** *Prerequisite: MU 236.* A survey course correlat-ing the development of music literature with the historical development of world culture from the early beginning of music to the classic period.

412. **Music History and Literature (3).** *Prerequisite: MU 236.* A continuation of MU 411 from the classic period to the present.
428. **Piano Literature (3).** *Prerequisite: MU 236.* A survey of piano repertoire from the early Baroque era through the Contemporary period.
432. **Orchestral Music Literature (3).** *Prerequisite: MU 236.* A survey of stylistic development in the history of orchestral literature and detailed study of selected examples.
433. **Chamber Music Literature (3).** *Prerequisite: MU 236.* A survey of stylistic development in the history of instrumental chamber music and detailed study of selected examples.
438. **Percussion Literature (3).** A survey of percussion materials for the public school or college teacher. Literature for percussion and mallet instruments will be examined and discussed.

PROFESSIONAL PREPARATION

150. **Technology in Music (1).** An introduction to basic software programs used in music applications including musical notation and aural skills as well as those found in educational settings.
169. **Basic Piano Skills (1).** Designed for music majors with minimal keyboard ability who are unable, through placement exam, to enter Class Piano Skills I (MU 170).
- 170, 171. **Class Piano (1) (1).** *Perquisite: Successful completion of MU 169 or the MU 169 Piano.* Diagnostic exam. A sequence of two courses leading to the acquisition of basic keyboard skills through laboratory instruction. Completion of the sequence prepares the student to successfully complete the MU 299 Piano Proficiency Exam.
- 180, 181. **Class Piano Repertoire I & II (1) (1).** *Prerequisites: MU 299 and Permission of the instructor.* Designed to broaden the knowledge of piano literature for pianists.
210. **Conducting (2).** *Prerequisites: MU 102 and 135 or equivalent.* Principles of interpretation and techniques of conducting are stressed through detailed study of selected compositions.
244. **Introduction to Music Education (2).** An introduction to current issues in the teaching field of music including a series of supervised in-school observational experiences. (To be taken after the first 32 hours.)
253. **Opera Workshop (1).** 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.
260. **Class Guitar (1).**
299. **Piano Proficiency (0).** An assessment tool to ensure acquisition of skills in the areas of keyboard technique, transposition, harmonization and repertoire.
310. **Performance Anxiety (2).** Explores mental and physical aspects of performance anxiety and explores coping techniques and strategies. Musical performances in various settings are part of course requirements.
316. **Arranging and Orchestration (2).** *Prerequisites: MU 150 (Tech in Music).* A practical exploration of the techniques of writing and arranging music for instruments.
317. **Choral Arranging (2).** *Prerequisites: MU 150 (Tech in Music).* Arranging and writing choral music for a variety of choral combinations and sizes with emphasis on those found in school and community settings.
318. **Marching Band Techniques (2).** A study of various styles including the formulation of drill and show writing for bands of varying sizes and abilities.

320. **Piano Pedagogy Fundamentals (2).** *Prerequisites: MU 234 or 214 (Applied Piano).* Fundamentals in forming a teaching philosophy, surveying methods for beginners, and organizing an independent studio (business and professional aspects).
- 360, 361. **Class Voice (1) (1).**
363. **Class Voice Pedagogy (1).** A study of methods of vocal training with emphasis on vocal health and development for amateur and school-aged singers. *Course offered in even years only.*
365. **Class Voice Diction (1).** Introduction to principles of vocal diction and the application of various phonetic sounds in singing in English and other languages. *Course offered in Fall semester only.*
- 370, 371. **Keyboard Harmony and Accompaniment (1) (1).**
380. **Class Woodwinds (1).**
381. **Class Brass (1).**
385. **General Instrumental Techniques (1).** An introduction to basic performance skills in major instrumental families (brass, woodwind, percussion). Designed for music majors in vocal/choral concentration.
390. **Class Strings (1).**
391. **Class Percussion (1).**
401. **Improvisation and Arranging (1).** *Prerequisites: MU 101, 102.* A comprehensive study concerning the fundamentals of improvisation and arranging. A stylistic analysis of semi-classical, folk, and popular musical art. Psychological and dramatic elements.
402. **Improvisation and Arranging (1).** Continuation of MU 401.
403. **Improvisation and Arranging (1).** Continuation of MU 402.
415. **Advanced Brass Methods and Literature (3).** *Prerequisite: Upper division undergraduate or graduate standing, with permission of instructor.* A survey of brass teaching materials for the public school or college teacher. Methods, etudes, and special studies of each instrument will be examined and discussed. Available records and corollary readings will supplement class discussion.
419. **Advanced Woodwind Methods and Literature (3).** *Prerequisite: Upper division undergraduate or graduate standing, with permission of instructor.* A survey of woodwind teaching materials for the public school or college teacher. Methods, etudes, and special studies of each instrument will be examined and discussed. Available recordings and corollary readings will supplement class discussion.
421. **Individual Study In Music Composition I (1).** *Prerequisite: Satisfactory completion of MU 404 and permission of Instructor.* Individual instruction in techniques of musical composition.
422. **Individual Study In Music Composition II (1).** *Prerequisite: Satisfactory completion of MU 421 and permission of Instructor.* Individual instruction in techniques of musical composition.
430. **Vocal Pedagogy (3).** Philosophy and methods of voice teaching, including a survey of literature and audio-visual aids available for vocal students.
440. **Band Literature for Teachers (1).** A survey of current repertoire appropriate for various levels of developing instrumental groups.
441. **Choral Literature for Teachers (1).** A survey of choral repertoire suitable for use by various levels of amateur and public school choirs and vocal ensembles.
443. **Instrumental Conducting (3).** *Prerequisite: MU 210.* 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.*

444. **Choral Conducting (3).** *Prerequisite: MU 210.* Training and experience in the techniques of choral conducting through the study of representative choral literature. Discussion of score preparation and rehearsal procedures. *Course is offered in Fall semester only.*
454. **Music Classroom Behavior (1).** *Corequisite: MU 487.* Models for establishing and maintaining discipline in music classes and ensembles.
471. **Elementary Music Materials and Methods (3).** Methods, materials, and problems of teaching general music. Grades N-6. *Course is offered in Spring semester only.*
481. **Secondary Music Materials and Methods (3).** Professional preparation of music teachers, grades 7-12. Computer literacy and development of fundamental computer skills for music educators.
482. **Secondary Instrumental Music Materials and Methods (3).** *Prerequisite: MU 471.* 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.*
483. **Secondary Vocal Music Materials and Methods (3).** *Prerequisite: MU 471.* Professional preparation of teachers of vocal music, grades 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.*
487. **Internship in Grades N-12 (9).** *Corequisite: MU 454.* 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.
489. **Capstone in Music Education (3).** 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.
499. **Independent Study In Music (2).** *Permission of Instructor required.* Provides the opportunity for an advanced student to pursue Independent study and research on a specified topic In Music under faculty direction.

MUSIC ENSEMBLES

Music majors must be enrolled in an ensemble approved by the major area every semester until minimum totals are reached; however specific areas dictate or restrict which of these ensembles may be counted for credit toward the degree. Only one ensemble per semester will count toward the required minimum. Students should consult the music advisor for specific information regarding which ensembles count toward minimum total. Students are urged to take no more than two ensembles per semester. No student may participate in any ensemble for which he or she is not duly and properly registered.

- 121, 321. **Mallet Ensemble (1).** Each number may be duplicated for credit for a total of four (4) semester hours.
- 132, 332. **Orchestra (1).** Each number may be duplicated for credit for a total of four (4) semester hours.
- 138, 338. **Gospel Choir (1).** Each number may be duplicated for credit for a total of four (4) semester hours.
- 146, 346. **Chamber Music Ensemble (1).** Each number may be duplicated for credit for a total of four (4) semester hours.
- 148, 348. **Wind Ensemble (1).** Each number may be duplicated for credit for a total of four (4) semester hours.

- 158, 358. **Trombone Ensemble (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 162, 362. **Chamber Singers (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 164, 364. **Saxophone Choir (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 168, 368. **Percussion Ensemble (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 172, 372. **Brass Choir (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 174, 374. **Drum and Bugle Corps (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 175, 375. **Drum and Bugle Corps (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 176, 376. **Clarinet Choir (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 182, 382. **Accompanying (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 188, 388. **Applied Ensemble (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 192, 392. **Marching Southerners (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 193, 393. **Chamber Winds (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 196, 396. **Chorus (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 198, 398. **Marching Ballerinas (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 207, 407. **Jazz Combo (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 218, 418. **A Cappella Choir (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 250, 450. **Symphonic Band (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 252, 452. **Lyric Theatre Workshop (1)**. Each number may be duplicated for credit for a total of eight (8) semester hours.
- 279, 479. **Jazz Ensemble (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.
- 295, 495. **Show Choir (1)**. Each number may be duplicated for credit for a total of four (4) semester hours.

**PLAN OF STUDY
BACHELOR OF ARTS**

**MAJOR: MUSIC
CONCENTRATION ONE: MUSIC EDUCATION**

The approved educational program cycle is assigned based on the actual acceptance date to the Teacher Education program. For information on admission to the Teacher Education Program, please consult the Teacher Service Center in 207 Ramona Wood.

FRESHMAN YEAR

Fall	Spring
EH 101, English Composition 3	EH 102, English Composition 3
MS 110 or 112 3	Social/Behavioral Science (PSY 201) . . . 3
MU 101, Music Theory 3	MU 102, Music Theory 3
MU 111, Aural Skills 1	MU 112, Aural Skills 1
MU 134, Primary Applied Music ¹ 2	MU 135, Primary Applied Music ¹ 2
MU 170 or 180, Class Piano Skills 1	MU 171 or 181, Class Piano Skills 1
Required Ensemble ² 1	Required Ensemble ² 1
MU 104, Concerts and Recitals 0	MU 105, Concert and Recitals 0
Class Methods Applied ⁴ 1	Class Methods Applied ⁴ 1
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MAY TERM

EH 141, Oral Communication 3

SOPHOMORE YEAR

Fall	Spring
HY 101 or 201 3	HY 102 or 202 3
MU 201, Music Theory 3	MU 202, Music Theory 3
MU 211, Aural Skills 1	MU 212, Aural Skills 1
MU 234, Primary Applied Music ¹ 2	MU 235, Primary Applied Music ¹ 2
MU 244, Intro. to Music Education . . . 2	MU 299, Piano Proficiency 0
MU 204, Concert and Recitals 0	MU 205, Concert and Recitals 0
Required Ensemble ² 1	ED 300, Intro. to Teacher Education . . . 1
MU 236, Intro. to Music Honors 3	EIM 300, Intro. to Ed. Technology 3
Class Methods Applied ⁴ 1	MU 150, Technology in Music 1
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16

MAY TERM

Literature 3

COMPLETE PROGRAM ASSESSMENT REVIEW

JUNIOR YEAR

VOCAL

Fall	Spring
Natural Science. 4	Natural Science. 4
Music Theory Option ³ 2	MU 471, Elem. Music Mat./Meth. 3
MU 210, Conducting 2	MU 412, Music History 3
MU 411, Music History 3	MU 335, Primary Applied Music ¹ 2
MU 334, Primary Applied Music ¹ 2	MU 300, Junior Recital. 0
MU 304, Concert and Recitals 0	Class Methods Applied ⁴ 1
Required Ensemble ² 1	MU 305, Concert and Recitals 0
SPE 300, Survey of Except. Child. 3	ESE 383, Reading in Content Area. 3
17	16

SENIOR YEAR

VOCAL

Fall	Spring
Literature. 3	MU 487, Internship 9
Social/Behavioral Science (PSY 222). . . 3	MU 489, Capstone 3
MU 483, Secondary Mat. & Meth. 3	
MU 444, Advanced Conducting. 3	
MU 441, Choral Literature 1	
Class Methods Applied ⁴ 1	
Required Ensemble ²² 1	
15	12

COMPLETE PROGRAM ASSESSMENT REVIEW

JUNIOR YEAR

INSTRUMENTAL

Fall	Spring
Natural Science. 4	Natural Science. 4
Music Theory Option ³ 2	MU 471, Elem. Music Mat./Meth. 3
MU 210, Conducting 2	MU 443, Advanced Conducting. 3
MU 411, Music History 3	EPY 430, Dev. Psychology Lab. 0
MU 334, Primary Applied Music ¹ 2	MU 412, Music History 3
MU 304, Concert and Recitals 0	MU 335, Primary Applied Music ¹ 2
Required Ensemble ² 1	MU 300, Junior Recital. 0
SPE 300, Survey of Except. Child. 3	MU 305, Concert and Recitals 0
	Class Methods Applied ⁴ 1
17	16

SENIOR YEAR

INSTRUMENTAL

Fall	Spring
Literature. 3	MU 487, Internship 9
Social/Behavioral Science (PSY 222). . . 3	MU 489, Capstone 3
ESE 383, Reading in Content Area. 3	
MU 482, Secondary Mat. & Meth. 3	
Class Methods Applied ⁴ 1	
MU 440, Band Literature. 1	
Required Ensemble ² 1	
15	12

¹Individual 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 Music Department offers a special seminar under the guidance of the applied music instructor. Normally, all six semesters should be taken in the same subject (voice, piano, clarinet, etc.). In exceptional cases, a change from one subject 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.

²Every music student is encouraged to participate in as many ensembles as possible, each for one hour's credit, 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 or her certification area (instrumental or vocal/choral). Students must participate in 6 required ensembles: 4 large and 2 small. Large Vocal Ensembles are MU 418 & 396. Large Instrumental ensembles are: (choose from at least two of the following) MU 392, 348, 393, 450, 479, & 332 (strings only) Small Vocal ensembles are: MU 495, 452, & 362. Small Instrumental Ensembles are MU 407, 346, 321, 382 (pianists only), & 368. Pianists are encouraged to choose large ensembles from both vocal and instrumental categories. Any deviation in the selection of required ensembles must have the written approval of the head of the Music Department.

³Students may choose from MU 301, 302, 316, 317, 318 or PHS 350 to fulfill this requirement.

⁴For Instrumental Music Education: MU 360, 380, 381, 390, 391. Choose one additional course from: MU 260, 370, or 363. For Vocal/Choral Music Education: MU 260, 360, 363, 365, 370. Choose one additional course from: 380, 381, 390, 391 or 385.

To obtain admission into the Teacher Education program:

1. Complete ED 300, EIM 300, SPE 300 by the end of Fall Semester Junior Year
2. Pass APIT Test – Taken no later than October – Fall Semester Junior Year
Score results need to be in Teacher Service Center before Spring Semester starts.
3. Interview – completed by end of Fall Semester Junior Year
4. 2.5 GPA
5. Fingerprints/Background checks completed before admission to Teacher Education
6. Mid-degree assessment review
7. Recommendation letters, application

Break down of 200 observation hours:

ED 300	30	MU 244	20	Other	45
ESE 383	20	MU 471	30		
EPY 430	25	MU 482/483	30		

Other – Band Camps, Concert Festivals, JSU Honor Festivals, Private Lessons, Visits to schools.

Praxis II Test needs to be passed before student teaching. Scores need to be in Teacher Service Center before actual Internship Semester starts.

**PLAN OF STUDY
BACHELOR OF ARTS**

MAJOR: MUSIC

CONCENTRATION TWO: GENERAL MUSIC

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
EH 141	3	Natural Science	4
Natural Science	4	MU 233	3
MU 101	3	MU 102	3
MU 111	1	MU 112	1
MU 134 ¹	2	MU 135 ¹	2
MU 104	0	MU 105	0
Required Ensemble ²	1	Required Ensemble ²	1

SOPHOMORE YEAR

Fall	Spring
Literature	Literature
MS 110 or 112	MS 108 or higher Math
HY 101 or 201	HY 102 or 202
MU 201	MU 202
MU 211	MU 212
MU 234 ¹	MU 235 ¹
MU 204	MU 205
Required Ensemble ²	Required Ensemble ²
<u>16</u>	<u>16</u>

COMPLETE PROGRAM ASSESSMENT REVIEW

JUNIOR YEAR

Fall	Spring
Social/Behavioral Science	Foreign language (FH)
Foreign language (FH)	Social/Behavioral Science
CS 201	MU 300
MU 301	MU 302
MU 210	MU 335 ¹
MU 334 ¹	MU 305
MU 304	Minor/elective ³
Ensemble elective	Ensemble elective
<u>16</u>	<u>14</u>

SENIOR YEAR

Fall	Spring
Minor/electives ³	Minor/electives ³
MU 411	MU 412
Elective	Minor/electives ³
Ensemble elective	Ensemble elective
<u>16</u>	<u>16</u>

TOTAL HOURS: 128

¹Individual applied music must be studied each semester for six semesters in the same subject (voice, piano, clarinet, etc.). In exceptional cases a change from one applied subject to another may be permitted with the approval of the instructors involved and the department head.

²Every music student is encouraged to participate in as many ensembles as possible, each for one hour's credit, since practical experience of this kind is invaluable to the student in advancing one's ability on the primary instrument and overall musical development. Students must participate in 8 semesters of ensembles: 5 large and 3 small. Large Vocal ensembles are MU 418 & 396. Large Instrumental ensembles are: MU 392, 348, 393, 450, 479 & 332 (strings only). Small Vocal ensembles are MU 495, 452 & 362. Small instrumental ensembles are : MU 407, 346, 321, 382 (pianists only), & 368. Pianists are encouraged to choose large ensembles from both vocal and instrumental categories. Any deviation in the selection of required ensembles must have the written approval of the department head.

³A non-music minor must be included in the 26 hours listed as electives.

**DEPARTMENT OF PHYSICAL
AND EARTH SCIENCES****206 MARTIN HALL****Department Head: Reinisch****Professors: Baucom, Gregg, Gryko, Hill, Holstein, Nichols,
Reinisch, Sewastynowicz, Zettli****Associate Professors: Steffy, Weinkauff****Assistant Professors: Helms, Herbert, Mwebi, Vasumathi**

Within this department listing you will find information on the following programs: Anthropology (AN), Chemistry (CY), Environmental Science (ESC), Geography (GY), Geology (GL), Marine Science, and Physics (PHS).

General studies courses for Chemistry and Geography majors in the Physical and Earth Sciences Department are included in the Plan of Study for each major located after the Description of Courses for each major. All students, but especially potential transfer students, should note the specific courses required for their selected Plan of Study. For additional information, consult our Internet Home Page at <http://www.jsu.edu/depart/geography/geoginto.html>.

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 to supplement a liberal arts education.

ANTHROPOLOGY MINOR. A minor in Anthropology requires a minimum of 18 semester hours, which must include AN 224, 225, 345, 350, and 6 hours of anthropology electives.

For students pursuing the geoarchaeology track in Geography, a minor in Anthropology requires a minimum of 18 semester hours, which must include AN 224, 345, and 350. The following courses may not be used in this minor: AN 225, 344, 410, and 412.

DESCRIPTION OF COURSES

224. **Introduction to Anthropology (3).** Surveys the field of anthropology, including cultural anthropology, archaeology, physical anthropology, and anthropological linguistics.
225. **Introduction to Archaeology (3).** A study of the history, methodology, problems, and theory of archaeology including an outline of prehistoric cultural development in both the New and Old Worlds.
344. **Principles of Archaeology (3).** An examination of the ways in which the archaeologist recovers archaeological data. Methods, theory, actual field work, and field trips to archaeological sites will be included in this course.
345. **Cultural Anthropology (3).** A global survey of the dynamics of cultural systems, including subsistence, kinship, marriage, sex and gender, politics, and religion. Covers both modern and primitive societies.
347. **Current Social Issues (3).** An examination of how anthropology offers insight into national and international problems and events. Topics include environmental issues, poverty, crime, warfare, gender, and racism.
348. **North American Indians (3).** Uses archaeological and ethnographic data to describe the diversity and ingenuity of traditional North American Indian societies and their contributions to contemporary American culture.
349. **Latin American Indians (3).** Surveys the growth and development of Indian cultures in Mexico, Central America, and South America from prehistoric times to the present.

350. **Physical Anthropology (3).** An examination of human origins covering evolutionary theory, the fossil record of human ancestry, primatology, genetics, and other pertinent topics.
361. **Anthropology of Sexual Behavior (3).** A cross-cultural survey of sexual behavior, gender roles, and male-female relations among the world's societies, including biological and cultural influences on sexual phenomena.
399. **Anthropology Study Tour (3).** *Prerequisite:* AN 224 or permission of the 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.
410. **Archaeological Field School (3).** This course is designed to provide the student field experience in methodology and techniques of archaeological data recovery. May be duplicated for credit for a total of 6 semester hours.
412. **Lab Techniques in Archaeology (3).** Instruction and experience in the techniques of artifact preparation, analysis, cataloging, and storage.
490. **Advanced Seminar in Anthropology (3).** *Prerequisite:* AN 224. An examination of current issues in anthropology. The content of this course will vary each semester. Students seeking admission must have advanced standing and secure approval of instructor. May be duplicated for credit for a total of 9 semester hours.
493. **Independent Study (1).** An opportunity for students with advanced standing to engage in special research projects in anthropology. Approval of instructor and department head required. Pass/fail grade only. May be duplicated for credit for a total of 3 semester hours.

CHEMISTRY (CY)

A Bachelor of Science in Chemistry prepares students for a diversity of careers. All program majors complete a general education and chemistry core curricula. Students seeking careers as chemists or admission to graduate programs in chemistry follow the Professional plan of study below. This plan adheres to certification guidelines of the American Chemical Society (ACS). Students pursuing the Professional plan complete the program's core curricula and then select one of the following to complete the major: Professional Chemistry, Biochemistry, or Environmental Chemistry.

Students seeking careers that require a basic understanding of chemistry follow the General Chemistry plan of study below. Such careers include medicine, dentistry, veterinary science, pharmacy, education, forensics, patent or environmental law, technical writing, art conservation, sales, marketing or management in a chemical-related industry. The plan below consists of the program's core curricula and 18 semester hours of 300/400-level courses, including a year of mathematics and a year of physics by advisement.

The Bachelor of Science in Chemistry requires a minimum of 128 semester hours, comprised of the following sub-requirements: 41 semester hours of state-articulated general studies courses, 23 hours of support courses; 38-45 semester hours in chemistry at the 300/400 level, including 12 semester minimum at the 300/400 level at Jacksonville State University; a minor including 6 semester hours of 300/400 level at minimum at Jacksonville State University or a second major. Fifty-two (52) semester hours of 300/400 level courses, which include those required in the major or minor, are required to complete the program. Any hours remaining to meet the 128 semester-hour program or the 52 semester-hours of 300/400-level requirements will be classified as electives. Students must earn a minimum "C" or better in each of their major or minor courses. Students entering Teacher Education must confer with the department head concerning the program of study.

CHEMISTRY MAJOR CORE REQUIREMENTS (21 semester hours)

CY 105, 107 - General Chemistry I	4
CY 106, 108 - General Chemistry II	4
CY 231 - Organic Chemistry	4
CY 232 - Organic Chemistry	4
CY 321 - Quantitative Analysis	5

Professional Plan (ACS) Select one from Professional Chemistry, Biochemistry, or Environmental Chemistry:

A. Professional Chemistry

CY 341 - Physical Chemistry	4
CY 342 - Physical Chemistry	4
CY 362 - Biochemistry	4
CY 421 - Instrumental Analysis	5
CY 490 - Internship or CY 497 - Senior Research	1
In this concentration, the math requirement is MS 125 and MS 126; the Physics requirement is PHS 211 and PHS 212 with labs.	
Total this option	39

B. Biochemistry

CY 341 - Physical Chemistry	4
CY 342 - Physical Chemistry	4
CY 362 - Biochemistry	4
CY 363 - Biochemistry	4
CY 490 - Internship (1) AND CY 492 - Biochemical Research (1)	
or	
CY 492 - (1) (1)	2
In this concentration, the math requirement is MS 125 and MS 126; the Physics requirement is PHS 211 and PHS 212 with labs.	
Total this option	39

C. Environmental Chemistry Students strongly encouraged to minor in ESC.

CY 341 - Physical Chemistry	4
CY 342 - Physical Chemistry	4
CY 430 - Environmental Chemistry	3
CY 433 - Sampling and Analysis	4
CY 490 Internship - or CY 493 - Envirochem Research	2
In this concentration, the math requirement is MS 125 and MS 126; the Physics requirement is PHS 211 and PHS 212 with labs.	
Total this option	38

D. General Chemistry Pre-medical, Pre-dental, etc.

CY 347/347L - Concepts of Physical Chemistry	4
300/400 CY electives by advisement	15
In this concentration, the math requirement is MS 112 and MS 113; the Physics requirement is PHS 201 and PHS 202 with labs.	
Total this option	40

** by advisement

CHEMISTRY MINOR. A minor in Chemistry consists of a minimum of 24 hours of Chemistry courses, including CY 105, 106, 107, 108, 231, 232 and an additional 8 hours of 300 – 400 level chemistry electives.

DESCRIPTION OF COURSES

101. **Fundamentals of Chemistry (3).** Lecture/3 hours. Designed to prepare students with weak backgrounds in chemistry and mathematics for CY 105. Fundamentals of chemical problem solving are stressed. Elective credit only, cannot be used to satisfy science requirements or a major or minor in Chemistry.
105. **General Chemistry I (3).** Lecture/3 hours. *Prerequisite: appropriate ACT/SAT score for MS 112. Concurrent enrollment in CY 107 is required.* 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.
106. **General Chemistry II (3).** Lecture/3 hours. *Prerequisite: CY 105. Concurrent enrollment in CY 108 is required.* 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.
107. **General Chemistry Laboratory I (1).** Lab/3 hours. *Concurrent enrollment in CY 105 is required.* 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.
108. **General Chemistry Laboratory II (1).** Lab/3 hours. *Concurrent enrollment in CY 106 is required.* Topics of experimentation include qualitative analysis, exploring reaction rates, ionic equilibria, and synthesis.
109. **Elementary Organic Chemistry (4).** Lecture/3 hours. Lab/3 hours. *Not open to students for credit toward a major or minor in Chemistry. Prerequisites: CY 105 and 107.* Principles of organic chemistry with emphasis on compounds of biological importance.
164. **Physiological Chemistry (4).** Lecture/3 hours. Lab/3 hours. *Prerequisite: CY 105.* Not open to students for credit toward a major or minor in Chemistry. A brief review of organic chemistry followed by a study of the chemistry and metabolism of proteins, carbohydrates, and lipids.
231. **Organic Chemistry (4).** Lecture/3 hours; Lab/3 hours. *Prerequisite: CY 106.* 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.
232. **Organic Chemistry II (4)** Lecture/3 hours. Lab/3 hours. *Prerequisite: CY 231.* 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
321. **Quantitative Analysis (5).** Lecture/3 hours. Lab/6 hours. *Prerequisite: CY 106 and 108.* Theory and practice of gravimetric, volumetric, potentiometric, and colorimetric methods of analysis.
341. **Physical Chemistry (4).** Lecture/3 hours. Lab/3 hours. *Prerequisite: MS 125. PHS 211 and 212 are highly recommended.* 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.
342. **Physical Chemistry (4).** Lecture/3 hours. Lab/3 hours. *Prerequisite: MS 126. PHS 211 and 212 are highly recommended.* 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.

347. **Concepts of Physical Chemistry (4).** Lecture/ 3 hours. Lab/3 hours. *Prerequisites:* MS 112, PHS 201, 202, CY 105, 106. This algebra-based course covers fundamentals of chemical thermodynamics and molecular structure with emphasis on life-science applications.
362. **Biochemistry (4).** Lecture/3 hours. Lab/3 hours. *Prerequisite:* CY 231. Biochemical evolution, protein structure and function, flow of genetic information, enzymes, and enzyme kinetics
363. **Biochemistry (4).** Lecture/3 hours. Lab/3 hours. *Prerequisite:* CY 232. Metabolism, signal transduction, glycolysis and gluconeogenesis, citric acid cycle, oxidative phosphorylation, photosynthesis, glycogen and fatty acid metabolism.
411. **Intermediate Inorganic Chemistry (5).** Lecture/3 hours. Lab/6 hours. *Prerequisite:* CY 106. Fundamental topics in inorganic chemistry including atomic structure, chemical bonding, periodic relationships, acid-base theories, non-aqueous solvents, and reaction mechanisms.
421. **Instrumental Analysis (5).** Lecture /3 hours. Lab /6 hours. *Prerequisites:* CY 106, PHS 202. The operating principles and techniques involving the use of analytical instruments.
430. **Environmental Chemistry (3).** Lecture/3 hours. *Prerequisites:* CY 232 and 321. 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 are discussed.
433. **Environmental Sampling and Analysis (4).** Three hours lecture, six hours field and laboratory work per week. *Prerequisites:* CY 231, 232, 321, 421, and ESC 300. This course will emphasize proper environmental sampling techniques (including QA/QC) and the EPA mandated analysis of various parameters, including soil, water, and air. Students will be expected to provide their own waders, hard hats, and rain suits.
435. **Advanced Topics in Chemistry (3).** 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.
471. **Toxicological Chemistry (3).** Lecture/3 hours. *Prerequisite:* CY 232. A study of the principles of toxicology including identification of, characterization of, and risk from environmental exposures to toxic substances.
484. **Laboratory Practicum (1).** One laboratory period per week. *Prerequisites:* Consent of instructor and completion of CY 321 or 341 or 347 or 362. Students will be involved in chemical pedagogy. This may involve chemical demonstrations, tutoring, grading or development of laboratory experiments. May be duplicated for credit for a total of 3 semester hours. Pass/Fail grade only.
490. **Internship (1).** *Prerequisite:* Consent of instructor and availability of placement. Student will gain on-the-job experience with a firm or government agency. Pass/Fail grade only. Student is expected to devote a minimum of 20 hours/week to this course.
492. **Biochemical Research (1).** *Prerequisites:* CY 231, 232, 362, 363. An introduction to biochemical research. Students will be involved in an ongoing research project, learning laboratory techniques pertinent to biochemical research, how to conduct literature searches, and how to critically evaluate their own and others' data. A minimum of 10 hours involvement per week will be expected.
493. **Environmental Chemistry Research (1).** *Prerequisites:* CY 430 and 433. The student will complete an environmental research project which will involve monitoring, sampling, and chemical analysis. A detailed paper will be required outlining the student's findings and conclusions. A minimum of 10 hours involvement per week will be expected.

497. **Senior Research (1).** *Prerequisite: Permission of instructor.* The student is assigned a simple piece of fundamental research. May be duplicated for credit for a total of 3 semester hours. Pass/Fail grade only.

**PLAN OF STUDY
BACHELOR OF SCIENCE**

**MAJOR: CHEMISTRY WITH PROFESSIONAL CONCENTRATION
AND PHYSICS MINOR**

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
HY Sequence ¹	3	EH 141	3
Fine Arts ²	3	HY Sequence ¹	3
MS 125, Calc I	4	MS 126, Calc II	4
CY 105, Gen Chem	3	CY 106, Gen Chem	3
CY 107, Chem Lab	1	CY 108, Chem Lab	1
	17		17

SOPHOMORE YEAR

Fall		Spring	
Literature ³	3	Literature ³	3
CY 231, Organic Chemistry	4	Social/Behavioral Sci. ⁴	3
PHS 211	4	CY 232 Organic Chemistry	4
PHS 213	1	PHS 212	4
CS 201 or higher	3	PHS 214	1
	15		15

JUNIOR YEAR

Fall		Spring	
CY 341	4	CY 342	4
Social/Behavioral Sci. ⁴	3	Elective	3
CY 321, Quant. Analysis	5	PHS 300+	3
PHS 301	3	General elective 300+	3
Wellness ⁵	3	General elective 100+	3
	18		16

SENIOR YEAR

Fall		Spring	
CY 362	4	General electives 300+	6
PHS 300+	3	PHS 300+	3
General electives 300+	8	CY 421	5
	15	CY 490	1
			15

TOTAL HOURS: 128

**PLAN OF STUDY
BACHELOR OF SCIENCE**

**MAJOR: CHEMISTRY WITH GENERAL CONCENTRATION
FOR PRE HEALTH PROFESSIONAL AND BIOLOGY MINOR**

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
BY 101	3	BY 102	3
BY 103	1	BY 104	1
MS 112	3	MS 113	3
CY 105, General Chemistry	3	CY 106, General Chemistry	3
CY 107, Chemistry Lab	1	CY 108, Chemistry Lab	1
		EH 141.....	3
	14		17

SOPHOMORE YEAR

Fall		Spring	
CY 231 Organic Chemistry	4	CY 232 Organic Chemistry	4
BY 373	4	BY 322	4
PHS 201	3	PHS 202	3
PHS 203	1	PHS 204	1
HY sequence ¹	3	HY sequence ¹	3
		Elective.....	2
	15		17

JUNIOR YEAR

Fall		Spring	
BY 332 & Lab	4	BY elective 300+	4
EH Literature ³	3	EH Literature ³	3
CY 321, Quant. Analysis	5	Fine Arts ²	3
CY 362 & Lab	4	CS 201 or higher	3
		CY 363 & Lab	4
	16		17

SENIOR YEAR

Fall		Spring	
Social/Behavioral Science ⁴	3	General electives 300+	6
Wellness ⁵	3	CY 300+	3
CY 300+ elective	4	CY 347	4
General electives 300+	6	Social/Behavioral Science ⁴	3
	17		16

TOTAL HOURS: 128

¹Choose either HY 101, 102 or HY 201, 202.

²Choose from ART 202, DR 242, MU 233, OR FL 101.

³Choose from EH 201, 202, 203, 204, 219, 151, 231, 232.

⁴Choose from AN 224, EC221, 222, GY 120, 220, PSC 100, PSY 201, 222, SY 221.

⁵Choose from FCS 215, 322, PE 109, MSC 113, 115, 116, 151-150.

ENVIRONMENTAL SCIENCE (ESC)

The minor in Environmental Science (ESC) will be of value to majors seeking jobs involving environmental planning, safety, compliance, or oversight functions. Prior to enrolling in any of the ESC courses, a student must have completed a two-semester sequence of coursework in two of the following disciplines: BY, CY, GL or GY, PHS.

The ESC minor consists of the following core of required courses: 15 hours

ESC 300 - Intro to Environmental Science	3
ESC 310 - Environmental Laws and Regulations	3
ESC 321 - Environmental Systems	3
ESC 460 - Quality Assurance/Quality Control	3
ESC 490 - Environmental Auditing	3

Students complete the minor by completing three of the following electives (9 semester hours)

BY 303 – Biological Conservation	3
CY 471 – Toxicological Chemistry	3
ESC 330 - Principles of Hazardous Materials Mgt	3
ESC 480 - Environmental Impact Statements	3
ESC 495 – Risk Analysis	3
PHS 327 - Elementary Radiation Physics	3
Total Hours	24

DESCRIPTION OF COURSES

- 300. Introduction to Environmental Science (3).** An overview of environmental science principles, environmental and health effects of pollutants, and a discussion of possible solutions that can be implemented to minimize or eliminate damage to Earth.
- 310. Environmental Laws and Regulations (3).** *Prerequisite:* ESC 300. In-depth study of selected environmental regulations relating to hazardous substances and wastes, clean air and clean water, and origins in statutory law.
- 321. Environmental Systems (3).** *Prerequisite:* ESC 300. An introduction to the engineering systems and equipment used to protect our air, water, and soils. This non-mathematical course is designed to prepare individuals from various disciplines to understand the selection, basic design, application, and effectiveness of environmental engineering systems.
- 330. Principles of Hazardous Materials Management (3).** *Prerequisites:* CY 105 and 106. An introduction to the identification and management of hazardous materials encountered in the workplace, school, or home. This course will focus on management approaches, including education and training, engineering systems, task performance practices, administrative procedures, emergency response plan preparation, and first responder actions that can be used to minimize exposures and consequent health and environmental effects.
- 460. Quality Assurance/Quality Control (3).** *Prerequisite:* *Permission of Instructor.* This course is designed to equip the student with a firm understanding of QA/QC techniques in the environmental field. This will be accomplished through the use of simple statistical methods and a study of the EPA requirements for sampling and analysis of environmental parameters.
- 480. Environmental Impact Statements (3).** *Prerequisites:* ESC 300, 310, 321, 330, and 400. The National Environmental Policy requires that potential environmental impacts of proposed projects be evaluated and presented in the form of an Environmental Impact Statement (EIS). This course reviews the EIS format and the collaborative procedures used to produce an EIS.
- 490. Environmental Auditing (3).** Overview of systematic auditing techniques with a focus on regulatory compliance, liability, environmental awareness and ethics. This course will also cover process mapping as a tool of auditing, the new international standards (ISO 14000) and their implications on future industrial activities.

495. **Risk Analysis (3).** An in-depth study of methodologies for human and environmental risk analysis, with a focus on hazardous chemical releases. Case studies will illustrate current field techniques.

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 department offers four concentrations within the major and a Geography minor. The Plan of Study for a Geography major—General Geography option—follows the Description of Geography Courses. Plans of study for other Geography major options are available on our Internet Home Page.

The Bachelor of Science in Geography degree offered by the Department of Physical and Earth Sciences requires an overall minimum of 128 semester hours comprised of the following sub-requirements: 30+ hours Geography, including 12 hours 300/400 level courses at JSU; a minor including 6 hours 300/400 level courses at JSU; 41 hours of state articulated general studies courses; 23 hours of support courses; and 52 hours of 300/400 level courses which include those required in the major and minor. Any hours remaining to meet the 128 hours minimum or the 52 hours minimum 300/400 will be classified as electives. A student must earn a minimum “C” or better in each of his/her major and minor courses.

Student complete the major by choosing one of the following four concentrations:

- I. General Geography.** This concentration provides the greatest flexibility for degree-seeking students who find geography interesting and also for those intending to go on to graduate school. Students choosing this option should work closely with an advisor in selecting electives appropriate to their goals.

GY 208 - Map Reading	3	
GY 220 - Human Geography	3	
GY 250 and 251 - Physical Geography and labs (252, 253)	8	OR
GL 241 and 242 - Physical & Historical Geology and labs (243, 244)	8	
GY 300/400 level electives	18	
Total hours using this concentration	32	

- II. Geoarchaeology.** This concentration is best suited to students wishing to combine advanced coursework in Physical Geography and/or Geographic Techniques with applied field and lab courses in archaeology.

Required Courses:

GY 208 - Map Reading	3	
GY 220 - Human Geography	3	
GY 250 and 252 - Physical Geography and lab	4	OR
GL 241 and 243 - Physical Geology and lab	4	
GY 315 - Research Methods I	3	
GY 316 - Research Methods II	3	
GY 490 - Colloquium	1	
AN 225 - Introduction to Archaeology	3	
AN 344 - Principles of Archaeology	3	
AN 410 - Archaeological Field School	3	
AN 412 - Lab Techniques in Archaeology	3	
Choose any two for a total of 6 hours:		
GY 302 - Principles of Remote Sensing		
GY 307 - Geographic Information Systems		
GY 308 - Cartography: Map Design		
GY 431 - Topics in Physical Geography		
GY 451 - Advanced Cartography/GIS		
Total hours using this concentration	35	

III. Geographic Techniques. This concentration is best suited for students who seek to enter a highly technical job market upon graduation. A minor in Mathematics and/or Computer Science is strongly recommended.

Required Courses:

GY 208 - Map Reading	3
GY 220 - Human Geography	3
GY 315 - Research Methods I.....	3
GY 316 - Research Methods II	3
GY 490 - Colloquium	1
GY 250/252 or GY 251/253	4
or GL 241/243 or GL 242/244	

Electives Courses: Choose 15 hours from the following:

GY 302 - Principles of Remote Sensing	3
GY 307 - Geographic Information Systems	3
GY 308 - Cartography: Map Design	3
GY 312 - Public Service Mapping	3
GY 406 - Digital Image Analysis	3
GY 451 - Advanced Cartography/GIS (up to 5 times)	3

Total hours using this concentration32

IV. Cultural Resource Management. This concentration is best suited to students seeking careers involved with preserving and protecting archaeological and historical resources.

Required Courses:

GY 208 - Map Reading	3
GY 220 - Human Geography	3
GY 315 - Research Methods I.....	3
GY 316 - Research Methods II	3
GY 490 - Colloquium	1
GY 250/252 or GY 251/253	4
or GL 241/or GL 241/244	

AN 225 - Intro to Archaeology	3
AN 412 - Lab Techniques in Archaeology	3
GY 307 - Geographic Information Systems	3
GY 308 - Cartography: Map Design	3
GY 460 - Principles of Cultural Resource Management	4
GY 465 - Cultural Resource Mgmt. Field Tech.....	3

Total hours using this concentration36

GY 401, 403, and 480 cannot be used as upper division electives in Geography. They can be used as general upper division electives toward graduation.

GEOGRAPHY MINOR. A minor in Geography requires a minimum of twenty-three (23) semester hours and must include GY 120 **OR** 220; GY 250, GY 252 and GY 251, GY 253 **OR** GL 241, GL 243 and GL 242, GL 244; GY 208. In addition, nine (9) hours of 300/400 courses must be chosen.

DESCRIPTION OF COURSES

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.
- 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.
210. **Earth and Space Science (3).** The study of earth systems including weather, climate, the lithosphere, soils and biomes.
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.

250. **Physical Geography I: Atmospheric Patterns and Processes (3).** *Concurrent enrollment in GY 252 lab is required.* Study of the function and distribution of the interrelated processes that shape Earth's weather and the classification and distribution of Earth's climates.
251. **Physical Geography II: Landscape Patterns and Processes (3).** *Concurrent enrollment in GY 253 lab is required.* Study of Earth's soils, biomes and physiographic regions with emphasis on the processes that formed them and their global patterns.
252. **Physical Geography Laboratory I (1).** *Concurrent enrollment in GY 250 is required.* One two-hour lab per week. Experiments focus on weather, energy and moisture budgets, and climatic classification.
253. **Physical Geography Laboratory II (1).** *Concurrent enrollment in GY 251 is required.* One two-hour lab per week. 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.
302. **Principles of Remote Sensing (3).** *Prerequisite: GY 208.* An introduction to the electromagnetic spectrum, aerial photography and aerial photo interpretation and mapping.
307. **Geographic Information Systems (3).** *Prerequisite: GY 208.* Introduction to the cartographic acquisition, processing, management, manipulation, analysis, and generation of spatial digital data in a Geographic Information System.
308. **Cartography: Map Design (3).** *Prerequisite: GY 208.* Two hours of lecture, two hours of lab. Introduction to computer-assisted map making, emphasizing principles of map design.
312. **Public Service Mapping (3).** *Prerequisite: GY 307.* Examines the tools and methods provided by geographic information science for planning and maintaining public service. Consideration includes crime analysis and mapping, emergency and disaster response, environmental management, geographic distribution of health problems and facilities, parcel and infrastructure maintenance and mapping, analysis of networks, and predictive modeling.
315. **Research Methods I (3).** *Prerequisites: EH 101 and 102, GY 250 and 252 or 251 and 253 or GL 241 and 243, and GY 220.* Design and preparation of a geographic research proposal, with emphasis on problem identification, methodology design and literature review. Fall semester only.
316. **Research Methods II (3).** *Prerequisite: GY 315.* Design and preparation of the graphics and statistical analysis portions of a geographic research proposal. Spring semester only.
320. **Political Geography (3).** A study of the spatial aspects of political phenomena from the international to the local scale. Suggested background: GY 220.
331. **Climatology (3).** *Prerequisite: GY 250.* A study of climates, how they are classified, and their effect upon human activity.
333. **Meteorology (3).** *Prerequisite: 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.
341. **Economic Geography (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.
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.
399. **Geography Study Tour (3).** *Permission of instructor required.* 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.

- 401. **Practicum in Geography (3).** *Consent of instructor required.* This course provides opportunity to gain on-the-job experience with a firm or government agency. Pass/Fail grade only. May be duplicated for credit for a total of 6 semester hours.
- 403. **Independent Study (1).** *Permission 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. Pass/Fail grade only.
- 406. **Digital Image Analysis (3).** *Prerequisite: GY 302.* Advanced Instruction in multi-spectral, thermal and microwave sensing of the geographic environment. Emphasis on analysis of digital Imagery.
- 422. **Geographic Views of History (3).** Use of the geographic perspective to examine facets of World, United States, and Alabama history.
- 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.
- 444. **Topics In Environmental Conservation (3).** In-depth examination on various conservation Issues. Topic selection varies; see Instructor. May be duplicated for credit for a total of nine semester hours.
- 451. **Advanced GIS (3).** *Prerequisites: GY 307 and permission of instructor required.* Advanced training in selected geographic techniques. Topic selection varies. See instructor. May be duplicated for credit for a total of 15 semester hours.
- 460. **Principles of Cultural Resource Management (4).** Three hours lecture/two hours lab per week. *Concurrent enrollment in Lab is required. Prerequisite: AN 225.* A study of the legislation base of CRM as well as the archaeological, architectural history, and oral history aspects of CRM investigations.
- 465. **Cultural Resource Management Field Techniques (3).** *Prerequisite: GY 460.* Students acquire skills in those field methodologies in archaeology, architectural history, and oral history used by CRM specialists. Taught during summer terms, the course meets 20 hours per week.
- 475. **Natural Hazards (3).** *Prerequisites: GY 250 and 251 or GY 250 and GL 241.* An introduction to natural hazards, their causes, distribution and impacts. Focus on human perception, vulnerability and risk analysis.
- 480. **Geography Laboratory Practicum (1).** *Permission of Instructor.* Four hours of laboratory per week. Students learn to utilize pieces of equipment and demonstration techniques while assisting an instructor to prepare and conduct lab sessions. Pass/Fail grade only. May be duplicated for credit for a total of 2 semester hours.
- 490. **Colloquium (1).** *Prerequisite: 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. Permission of instructor required. Pass/Fail grade only.

**PLAN OF STUDY
BACHELOR OF SCIENCE**

MAJOR: GENERAL GEOGRAPHY

FRESHMAN YEAR

Fall	Spring
EH 101 3	EH 102 3
HY Sequence ¹ 3	EH 141 3
MS 112, 3	HY Sequence ¹ 3
GY 250, Physical GY I 3	MS 204, Basic Stat. 3
GY 252, Geography Lab I 1	GY 251, Physical GY II. 3
AN 224, Intro to Anth 3	GY 253, Geography Lab II 1

SOPHOMORE YEAR

Fall	Spring
Literature ³ 3	Literature ³ 3
Fine Arts elective ² 3	GY 220, Human GY 3
GY 120, World Regional GY 3	CS 201 3
GY 208, Map Reading 3	Minor 6
Science elective w/lab ⁴ 4	
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15

JUNIOR YEAR

Fall	Spring
GY elective 300/400 3	GY electives 300/400 6
Minor 7	Minor/Gen electives 300/400 9
General elective 300+ 7	
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15

SENIOR YEAR

Fall	Spring
GY electives 300/400+ 6	General electives 300+ 13
General electives 300+ 11	GY elect 300/400+ 3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16

TOTAL HOURS: 128

¹Choose either HY 101, 102 or HY 201, 202.
²Choose from ART 202, DR 242, MU 233, or FL 101.
³Choose from EH 201, 202, 203, 204, 219, 220, 231, 232.
⁴Choose from BY 101 and 103, CY 105 and 107, GL 242 and 244, PHS 201 and 203.

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 Physical Geography.

DESCRIPTION OF COURSES

- 241. **Physical Geology (3).** *Concurrent enrollment with GL 243 is required.* Modern concepts of the Earth's physical composition, crustal structures, and the internal/external forces acting on them.
- 242. **Historical Geology (3).** *Concurrent enrollment with GL 244 is required.* Study of the Earth's evolution, including changes in its crust, surface features, atmosphere, and life forms.
- 243. **Physical Geology Lab (1).** *Concurrent enrollment in GL 241 is required.* One two-hour lab per week. Emphasis on rock/mineral identification and the study of landforms through topographic and geologic map interpretation.
- 244. **Historical Geology Lab (1).** *Concurrent enrollment in GL 242 is required.* One two-hour lab per week. Study of Earth history using geologic maps and the fossil record of plant and animal development.
- 483. **Geology Lab Practicum (1).** *Prerequisite: permission of instructor.* Students learn how to use various pieces of equipment and lab demonstration techniques while assisting an instructor to prepare and conduct lab sessions. Pass/Fail grade only. May be duplicated for credit for a total of 2 semester hours.

MARINE SCIENCE

Courses taken in Marine Science are offered only at the Sea Lab of the Marine Environmental Sciences Consortium on Dauphin Island. Courses taken at the Sea Lab may be used for elective credit toward graduation, but will not count toward any major or minor offered by the department. For course description of other courses taught at the Sea Lab, see listing in the Biology Department. Students requiring further information about Sea Lab programs should consult with the program advisor in the Biology Department.

DESCRIPTION OF COURSES

329. **Coastal Climatology (2).** Introduction to physical factors resulting in climatic conditions of coastal regions, emphasis on the northern Gulf of Mexico.
390. **Marine Geology (4).** *Prerequisite: GL 241 or consent of instructor.* A study of the geology of the ocean basins, with special emphasis on the continental shelves, their sediments, and the sedimentary processes at work there.

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.

PHYSICS MINOR. Requirements for a minor in Physics include PHS 211, 213, 212, 214, 301 and nine hours in Physics 300+. These courses will be selected in conference with a Physics program advisor.

DESCRIPTION OF COURSES

COURSES WITH NO PHYSICS OR MATH PREREQUISITES

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.
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 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.
371. **Astronomy (4).** 3 hours lecture/3 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-depth explorations of particular aspects of astronomy.

INTRODUCTORY PHYSICS COURSES AND THEIR MATH PREREQUISITES

201. **College Physics I (3).** *Prerequisites: MS 112, 113. 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.

202. **College Physics II (3).** *Prerequisite: PHS 201. 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.
203. **College Physics Lab (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.
204. **College Physics Lab 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.
211. **Physics for Scientists and Engineers I (4).** *Prerequisite: 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.
212. **Physics for Scientists and Engineers II (4).** *Prerequisites: 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.
213. **Elementary 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.
214. **Elementary Laboratory Techniques II (1).** *Concurrent enrollment in 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.

COURSES FOR WHICH PHS 202 OR 212 ARE PREREQUISITES

383. **Special Topics (3).** 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.
411. **Laboratory Practicum (1).** Four hours of laboratory per week. Students learn to utilize pieces of equipment and demonstration techniques while assisting an instructor to prepare and conduct lab sessions. This course may be repeated for a maximum of four semesters for a total of 4 semester hours. Not for credit toward a minor.

COURSES FOR WHICH PHS 211, 213, 212, 214 ARE PREREQUISITES

- 301. Modern Physics (3).** 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 con-text and see how popular culture's usage differs from scientific usage.
- 303. Classical Mechanics (3).** This course investigates various aspects of classical mechanics including: kinematics and dynamics of motion, rigid bodies, oscillatory motion, central forces and gravitation, and Lagrangian and Hamiltonian formulations of classical mechanics
- 343. Electromagnetism I (3).** *Prerequisite: MS 227.* 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.
- 443. Electromagnetism II (3).** *Prerequisite: PHS 343.* Continuing the study begun in PHS 343, changing electromagnetic fields are investigated. These changing fields form electromagnetic waves in free space and matter that exhibit all of the standard behaviors of waves. Thus, topics will include reflection and refraction of electromagnetic waves, guided waves, and the field of a moving charge.
- 491. Quantum Mechanics I (3).** *Prerequisites: PHS 301, 343, MS 344.* This course extends 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 such as a particle in a box, a linear harmonic oscillator, the hydrogen atom, and a one-dimensional crystal.
- 492. Quantum Mechanics II (3).** *Prerequisites: PHS 491.* This course deals with a number of topics pertaining to non-relativistic quantum mechanic including: addition of angular momentum, identical particles and multi-electron atoms, time-independent approximation method and applications, time-dependent perturbation theory and scattering theory.

**DEPARTMENT OF POLITICAL SCIENCE AND
PUBLIC ADMINISTRATION (PSC)**

220 BREWER HALL

Department Head: Lawson Veasey

Professors: Veasey

Associate Professor: Lester, Owens

Assistant Professors: Barnett, Hathaway, Krejci, Taylor, Saeki

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.

The Political Science major requires thirty hours of political science, including Political Science 100, 102, and at least six hours from each of the three fields (Theory and Methodology, American Government, and Global Studies) listed below, plus six hours of political science electives. In addition to the thirty hours of political science, Criminal Justice 101 is required. The Political Science minor requires twenty-one semester hours, including Political Science 100, 102, and at least three hours from each of the three fields listed below, plus six hours of political science electives.

Fields of Political Science

Theory and Methodology: PSC 301, 451, 452, and 454. (It is strongly recommended that majors considering graduate study take PSC 301.)

American Government: PSC 100, 101, 102, 203, 342, 352, 402, 412, 443, 444, 445, 447, 450, 481, 493, 498, and 499.

Global Studies: PSC 305, 375, 376, 377, 421, 423, 432, 433, and 435.

Pre-Law

There is no specific major in pre-law; however, a large percentage of students planning to attend law school select Political Science as a major. Beyond the requirements of the major, it is recommended that pre-law students take courses in logic, economics, accounting, real estate, and advanced composition. Students should meet with Dr. Owens regarding advisement for pre-law. Regardless of major, pre-law students must take PSC 203, Introduction to Law, during the freshman or sophomore year. All upper division pre-law students must take PSC 443 Constitutional Law I or PSC 444 Constitutional Law II.

The Political Science Department sponsors the Pre-law Society, maintains relations with regional law schools, and provides application and informational materials for the Law School Admissions Test (LSAT).

Minor in International Studies

Students whose interest and/or career plans have an international orientation may wish to pursue a minor in International Studies. While the International Studies minor is administered by the Political Science Department, any major offered by the University (including Political Science) is acceptable. Twenty-four semester hours, distributed as follows, are required for the International Studies minor.

Political Science: (twelve hours*)

PSC 100* (Political Science majors must take an additional course from the Global Studies field.)

PSC 421 or 423

PSC 432

Three hours selected from PSC 305, 375, 376, 377, 421, 433, and 435.

Geography: (six hours*)

GY 320

Three hours selected from GY 351, AN 345, and 347**

Electives: (six hours*)

Two courses selected from any of the following:

Foreign Languages—by advisement**

History—HY 302, 331, 332, 333, 404, 409, 410, 411, 465, 470, 471, 473, 480, and 481**

Sociology—SY 366

College of Commerce and Business Administration—EC 305, 450; FIN 434; MGT 496

In addition to the above, students minoring in International Studies must take History 101 and 102 and must take Geography 120 and 220. The history courses and geography courses may also count toward the general studies curriculum history and social/behavioral science requirements.

*Courses counted toward the major may not also be counted toward the International Studies minor.

**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, and so on.

DESCRIPTION OF COURSES

100. **Introduction to American Government (3).** *No prerequisite.* 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.

101. **Introduction to Political Science (3).** *No prerequisite.* Nature and scope of political science, basic concepts and terminology, nature of the state and government, types of political systems, comparative political institutions.
102. **Introduction to State and Local Government (3).** A study of the organization, functions, and powers of state, county, and municipal governments in the United States.
203. **Introduction to the Law (3).** An examination of the American legal system, court procedures, appeals procedures, and the use of legal reference materials with selected cases.
301. **Political Science Methods (3).** The scope and approaches to political science with considerable attention to research methods, techniques, and current research problems.
305. **Comparative and International Politics (3).** An introduction to the government and politics of a variety of different national states as well as the conduct of international relations. Covers western and non-western, developed and less developed nations.
342. **Political Parties (3).** Composition, organization, and function of American political parties on the national, state, and local levels.
352. **The Legislative Process (3).** American legislative bodies with emphasis upon recruitment, composition, structure, procedures, functions, role of parties and pressure groups, and problems of legislative reform.
375. **Governments of Latin America (3).** Political organization and structure of the principal Latin-American countries with emphasis on constitutional development and present-day issues.
376. **Governments of Asia (3).** Examines the political systems and political cultures of Asian countries from Afghanistan to Southeast Asia, with major emphasis on India, China, and Japan.
377. **Governments of Africa and the Middle East (3).** The government and politics of the Middle East and the emergent African countries, with attention to present developments and the role of these countries in world affairs.
402. **Introduction to Public Policy (3).** *Prerequisite: PSC 100.* 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.
412. **Inter-governmental Relations (3).** *Prerequisite: PSC 100.* 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.
421. **American Diplomacy to 1900 (3).** Chronological development of American foreign policy from the early period to 1900.
423. **Twentieth-Century American Foreign Policy (3).** Traces main streams of American foreign policy in the twentieth-century. 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.
432. **International Relations (3).** 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.
433. **Governments of Europe (3).** *Prerequisite: PSC 100.* Examines the political systems and political cultures of Europe with major emphasis on Great Britain, France, Germany, and Russia.

435. **International Organizations (3)**. *Prerequisite: PSC 432*. Examines regional and world intergovernmental organizations (IGO) with emphasis on the United Nations and including NATO, OAS, European Union and others. Included will be some coverage of nongovernmental organizations (NGO) such as multinational corporations.
443. **Constitutional Law I (3)**. Fundamental principles of the United States Constitution and its development. Topics include powers of President and Congress, federalism, interstate commerce, and others. Textbook and case methods.
444. **Constitutional Law II (3)**. Relationship between the individual and government as revealed through constitutional law cases. Major emphasis will be on civil liberties based on the interpretation of the Bill of Rights and the Fourteenth Amendment. Textbook and case method.
445. **Southern Politics (3)**. The politics of eleven southern states with regard to voting, elections, the origin and decline of the one-party system in the South; the role of the Republican party and minor parties; the impact of Southern politics upon national affairs.
447. **Politics and Public Opinion (3)**. Forces affecting politics, public opinion, and elections in the U.S. Examines the election structure, as well as individual and group political participation.
450. **The American Executive (3)**. The role and behavior of the American executive at the national, state, and local levels in the U.S. political system with emphasis upon the American Presidency.
451. **Political Theory From the Ancients to 1700 (3)**. Examines political thought from ancient Greece to Europe's Early Modern Era. An emphasis is placed on the historical-cultural context in which these theories developed, their influence on modern concepts, and the recurring patterns affecting the rise and fall of human societies and how they relate to the present.
452. **Modern Political Theory (3)**. 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.
454. **American Political Thought (3)**. Principal ideas of leading political thinkers in America from the colonial period to the present.
481. **Public Administration (3)**. Principles of public administration, with emphasis on public finance, personnel management, and administrative law.
- 484, 485. **Individual Study (3) (3)**. *Prerequisites: 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. (Pass-Fail grade only)
493. **The Judicial Process (3)**. *Prerequisite: PSC 100*. A study of the judicial process through actual attendance at court trials. Meetings and discussions are held with judges, lawyers, prosecutors, and others.
- 498, 499. **Internship (3) (3)**. *Prerequisite: 15 hours of Political Science*. 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.

**PLAN OF STUDY
BACHELOR OF ARTS**

MAJOR: POLITICAL SCIENCE

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
HY 101 or 201	3	EH 141	3
PSC 100	3	HY 102 or 202 (to complete seq.)	3
Fine Arts	3	PSC 102	3
MS 110 or higher	3	MS higher than 110	3
	15		15

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	3
Natural Science sequence	4	Natural Science sequence	4
Social/Behavioral Science	3	Social/Behavioral Science	3
CS 201	3	Wellness	3
CJ 101	3	Minor/general electives	5
	16		18

JUNIOR YEAR

Fall		Spring	
PSC Amer. Govt. elec.	3	PSC Amer. Govt. elec.	3
PSC Global Studies elec.	3	PSC Global Studies elec.	3
Minor/general elec.	12	Minor/general elec.	10
	18		16

SENIOR YEAR

Fall		Spring	
PSC Theory & Method. elective	3	PSC Theory & Method. elective	3
PSC 300+	3	PSC 300+	3
Minor/electives	9	Minor/general electives	9
	15		15

TOTAL HOURS: 128

**PLAN OF STUDY
BACHELOR OF ARTS**

MAJOR: POLITICAL SCIENCE/PRE-LAW

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
HY 101 or 201	3	EH 141	3
PSC 100	3	HY 102 or 202 (to complete seq.)	3
Fine Arts	3	PSC 102	3
MS 110 or higher	3	MS higher than 110	3
	15		15

SOPHOMORE YEAR

Fall	Spring
Literature..... 3	Literature..... 3
Natural Science sequence..... 4	Natural Science sequence..... 4
Social/Behavioral Science..... 3	EC 222*..... 3
CS 201..... 3	Wellness..... 3
CJ 101..... 3	ACC 200*..... 3
PSC 203**..... 3	
19	16

JUNIOR YEAR

Fall	Spring
PSC Amer. Govt. elective..... 3	PSC Amer. Govt. elective..... 3
PSC Global Studies elective..... 3	PSC Global Studies elective..... 3
EH 344*..... 3	FIN 341*..... 3
Minor/general electives..... 9	Social/Behavioral Science..... 3
.....	Minor/general electives..... 3
18	15

SENIOR YEAR

Fall	Spring
PSC Theory & Method. elective..... 3	PSC 444***..... 3
PSC 443***..... 3	PSC Theory & Method. elective..... 3
Minor/general electives..... 9	Minor/general electives..... 9
15	15

TOTAL HOURS: 128

*These courses are suggested electives and should be taken only after advisement by the pre-law advisor.

**PSC 203 is required for pre-law students

***PSC 443 or PSC 444 required for pre-law students.

DEPARTMENT OF PSYCHOLOGY (PSY)

202 AYERS HALL

Department Head: To Be Announced

Professor: Palya

Assistant Professors: Dempsey, P. Mc Kerchar, T. Mc Kerchar, Stout

Instructor: Conroy, Cothran

The psychology curriculum includes a broad range of theoretical, methodological, and survey courses in the field. In addition, there are applied courses in professional areas. Students majoring or minoring in psychology have the option of selecting courses with a specific emphasis in accordance with personal and professional interests and goals. Psychology courses are also open for general elective credit to all students with appropriate prerequisites.

Psychology Major (B.S.) The requirements for a major are a minimum of thirty-three (33) hours of psychology. PSY 201 is to be taken as one of the two courses required in Area IV for the Social and Behavioral Sciences requirements; one of the following courses may be taken for the second course requirement: AN 224, EC 221, EC 222, GY 120, GY 220, PSC 100 or SY 221. PSY 205 should be taken as soon as the student declares the major or expresses an interest in the major, as part of the Area V, pre-professional major courses. Core classes include PSY 220, 221, 300, 310, and 450. Students must take a minimum of 6 credits from Group A: PSY 323, 327, 330, 335, and 350; a minimum of 6 credits

from Group B: PSY 363, 400, 415, 423, 425, 436, and 444; and a minimum of 3 credits from Group C: PSY 305, 337, 352, 355, 380, 399, 412, 413, 430, 433, 460-499. Students must also take 3 credits of electives chosen from any of the course listed above.

Psychology Minor. The requirements for a minor are nineteen (19) hours of psychology, including PSY 220, 221 (PSY 201 is a prerequisite for these courses). Students must take a minimum of 3 credits from Group A: PSY 323, 327, 330, 335 and 350; a minimum of 3 credits from Group B: PSY 363, 400, 415, 423, 425, 436, 444; and a minimum of 3 credits from Group C: PSY 305, 337, 352, 355, 380, 399, 412, 413, 430, 433, 460-499. Students must also take 6 credits of electives chosen from any of the courses listed above.

In the general studies curriculum, Psychology majors must take the courses listed under the "Plan of Study" located after the "Description of Courses."

DESCRIPTION OF COURSES

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.
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.
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.
220. **Principles of Behavior Analysis (3).** *Prerequisite: PSY 201. Suggested corequisite: PSY 221.* 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.
221. **Behavior Analysis Lab (1).** *Corequisite or prerequisite: PSY 220.* Stresses the skills involved in specifying, observing, and consequenting behavior and teaches the standard techniques of behavioral laboratories.
222. **Human Development (3).** *Prerequisite: PSY 201.* 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. Note: University general elective does not count for Psychology major or minor credit.
300. **Statistics for Life Sciences (4).** *Prerequisites: PSY 220, 221, MS 108 or higher.* Basic statistical concepts and procedures as applied to the life sciences. Includes a laboratory component involving demonstration and application of statistical analysis to behavior research.
305. **Professional Psychology (3).** *Prerequisites: PSY 220, 221.* Issues pertaining to the choice of a career in psychology and being successful at one's chosen career. What courses to take, how to get a job, how to get promoted, or how to get into graduate school and successfully earn a Ph.D. degree.
310. **Research Methods (4).** *Prerequisites: PSY 220, 221, 300.* Introduction to scientific methodology as applied to behavior research. Includes a laboratory component in which students will gain hands-on experience with the most frequently used research methods.
323. **Adult Development and Aging (3).** *Prerequisite: PSY 201.* 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.
327. **Child and Adolescent Development (3).** *Prerequisite: PSY 201.* 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.

330. **Abnormal Psychology (3).** *Prerequisite: PSY 201.* Examines the major forms of and theoretical explanations for behavior patterns which have been culturally defined as deviant or psychologically abnormal.
335. **Theories of Personality (3).** *Prerequisite: PSY 201.* A comprehensive study of the concepts of personality. Emphasis will be placed on major theories and theorists of personality, such as Freud, Bandura, Ellis, Rogers, and Maslow.
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.
350. **Social Psychology (3).** *Prerequisite: PSY 201.* The study of how others influence an individual's behaviors, thoughts, and emotions. Topics include social influence, persuasion, attitude-behavior consistency, prosocial behavior, aggression, causal attribution, and affiliation.
352. **Human Sexuality (3).** *Prerequisite: PSY 201.* 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.
355. **Positive Psychology (3).** *Prerequisite: PSY 201.* Overview of diverse topics such as happiness, relationships, spirituality, aesthetic appreciation, work satisfaction, self-control, integrity/ethics. Self-assessment and critical thinking are emphasized.
363. **Behavior Modification (3).** *Prerequisites: PSY 220, 221.* An introduction to the application of behavioral principles and procedures to the improvement of socially important human behavior.
380. **Sleep and Dreaming (3).** *Prerequisite: PSY 201.* This course is designed to provide students with an introduction to the field of sleep as a science. Emphasis will be placed on experimental methodology, psychological and physiological aspects of sleep, dreams, and sleep disorders.
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.
400. **Physiological Psychology (3).** *Prerequisite: PSY 201.* Study of the physiological structures and mechanisms which mediate between environmental events and behavior.
412. **Child Psychopathology (3).** *Prerequisites: PSY 330.* 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.
413. **Social Psychology II (3).** *Prerequisites: PSY 310, 350.* Explores historical and current debates in social psychology, using each as an opportunity to read articles on a substantive issue in that area.
415. **Cognitive Processes (3).** *Prerequisite: PSY 201.* This course reviews processes such as memory, concept formation, reasoning, critical thinking, problem solving, and applications of cognitive science.
423. **Sensation and Perception (3).** *Prerequisite: PSY 201.* The course provides an up-to-date review of sensory and perceptual processes integrating basic physiology with psychology.

425. **Health Psychology (3).** *Prerequisite: PSY 363.* The use of psychological techniques within medical settings for problems such as hypertension, pain, asthma, eating disorders, and smoking.
430. **Seminar in Current Problems (3).** *Prerequisites: PSY 310, and consent of the instructor.* Examines the relevant research and methodological problems related to topics of current emphasis in behavioral research. Examples are drug addiction, aggression, and contingency management.
433. **Cross-Cultural Psychology (3).** *Prerequisite: PSY 201.* 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.
436. **Drugs, Society, and Human Behavior (3).** *Prerequisite: PSY 201.* Provides an overview of current drug-related issues, including societal trends, basic pharmacology of drug action, legislation, treatment, and prevention.
444. **Conditioning & Learning (3).** *Prerequisite: PSY 310.* A review of research, investigating the basic parameters of conditioning and its theoretical implications. Topics covered will include operant and respondent conditioning.
450. **History and Systems of Psychology (3).** *Prerequisites: PSY 310 and senior standing.* Examines the historical evolution of modern psychology and the conceptual systems which have been developed.
- 460, 461. **Instructional Practicum (3) (3).** *Prerequisites: PSY 300 or 310, and consent of the instructor.* Practice of behavioral techniques in an instructional setting.
- 480, 481. **Community Practicum (3) (3).** *Prerequisites: PSY 220, 221, 330, and consent of the instructor.* Practice of psychological techniques in community organizations such as mental health clinics, juvenile detention centers, etc.
- 485, 486. **Applied Behavior Analysis Practicum (3) (3).** *Prerequisites: PSY 310, and consent of the instructor.* Practice of behavior analysis principles in applied settings such as developmental centers and organizations.
- 490, 491. **Individual Research (3) (3).** *Prerequisites: PSY 310, and consent of the instructor.* Students will conduct supervised research projects chosen in coordination with their supervisor.
- 498, 499. **Honors Thesis (3) (3).** *Prerequisites: PSY 310, and consent of the thesis supervisor, and senior standing.* Completion of an original research project. (See Psychology Department Thesis Guidelines).

BACHELOR OF SCIENCE

The Bachelor of Science degree offered by the Psychology Department requires an overall minimum of 128 semester hours comprised of the following sub-requirements: 33 hour major including a minimum of 12 hours 300/400 level courses at JSU, a minor including a minimum of 6 hours 300/400 level courses at JSU, 41 hours of general studies courses, 23 hours of support courses and a minimum of 52 hours of 300/400 level courses which includes those required in the major and minor. Any hours remaining to meet the 128 minimum or the 52 hours minimum 300/400 will be classified as electives. A student must earn a minimum "C" or better in each of her/his major and minor courses with a minimum grade point average of 2.00 overall and on campus.

PLAN OF STUDY

MAJOR: PSYCHOLOGY

Note: This is only a suggested plan of study. Variations may occur due to individual circumstances. Please see advisor.

FRESHMAN YEAR

Fall	Spring
EH 101 3	EH 102 3
Social and Behavioral Science 3	EH 141 3
MS 108 or higher 3	MS 112 or higher 3
Electives 3	MS 204 Recommended
PSY 201, Prin. of Psychology 3	Fine Art 3
PSY 205, Orientation to Psychology . . . 1	PSY 220, Prin. Beh. Analysis 3
	PSY 221, Beh. Analysis Lab 1
_____	_____
16	16

SOPHOMORE YEAR

Fall	Spring
Literature 3	Literature 3
History sequence 3	History sequence 3
Natural Science sequence 4	Natural Science sequence 4
Electives 6	Electives 6
_____	_____
16	16

JUNIOR YEAR

Fall	Spring
PSY 300, Statistics for Life Science 4	PSY 310, Research Methods 4
PSY Group A 3	PSY Group A 3
PSY Group B 3	PSY Group B 3
PSY Group C 3	Minor/electives 300+ 6
Minor/Electives 300+ 3	
_____	_____
16	16

SENIOR YEAR

Fall	Spring
PSY 450, History & Systems Psy 3	PSY elective 300+ 3
Minor/electives 300+ 13	Minor/electives 300+ 13
_____	_____
16	16

TOTAL HOURS: 128

**DEPARTMENT OF SOCIOLOGY (SY)
AND SOCIAL WORK (SW)**

The BSW Program is accredited by the Council on Social Work Education.

306 BREWER HALL

Department Head, BSW Program Director: Mark Fagan
Professors: Aveni, Fagan, Friery
Associate Professors: LoConto, Newton
Assistant Professors: Deshotels, Hudspeth, Savage, Stewart
Instructors: Adams, Barclift, Nix, Powe, Snider, Womack

The goals of Social Work are to provide knowledge of human behavior, the values and ethics of the social work profession, and the problem-solving and communication skills necessary for generalist social work practice in a variety of settings. The goals of Sociology 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.

BACHELOR OF SOCIAL WORK (B.S.W.). Students completing the BSW degree will be prepared for entry-level generalist social work practice. The GENERAL STUDIES REQUIREMENTS FOR THE BSW DEGREE total 64 hours: **Area I. Written Composition**—EH 101 and EH 102 = 6 hours **Area II. Humanities and Fine Arts**—2 Literature Courses (EH 201, 202, 203, 204, 219, or 220); EH 141; and one course from the arts (ART 202, MU 233, FL 101, or DR 242) = 12 hours **Area III. Natural Sciences and Mathematics**—BY 101, 102, 103, and 104, and MS 108 Exploring Mathematics = 11 hours. **Area IV. History, Social, and Behavioral Sciences**—HY 101 and HY 102 or HY 201 and HY 202; PSY 201; and SY 221 = 12 hours. **Area V. Pre-professional, Major, and Elective Courses**—EC 200, 221, or 222; PSC 100; MS 204; CS 201; one course from the following (FCS 215, HLT 212, MSC 115, or HPE 109); and 8 hours of general electives = 23 hours.

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: SW 330, 332, 350, 360, 380, 381, 390, 391, 448, 449, and 450. Introduction to Social Work (SW 330) is a prerequisite for all social work classes except SW 370, 371 and 380. Students will get their remaining 15 hours in social work by taking five social work elective courses from among the following: SW 333, 334, 335, 336, 338, 339, 340, 343, 365, 370, 371, 392, 395, 399, 441, 442, and 443. Students working on a BSW degree are not required to have a minor in another academic discipline.

Admission to the BSW Program requires passage of at least 30 semester hours (including MS 108 and MS 204), a 2.25 overall GPA, a grade of "C" or better in SW 330 (Introduction to Social Work), successful completion of SW 380 and SW 390, and a passing score on the English Competency Exam. *Applications for Admission to the Bachelor of Social Work Degree Program* are distributed to students enrolled in SW 390. This application should be submitted to the Program secretary upon completion of SW 390. **(No student can take SW 391 without admission to the BSW Program.)** Students denied admission are encouraged to complete the application as soon as they meet the requirements and return it to the secretary for the BSW Program in Room 309 Brewer Hall. **Students must have been formally accepted to the Social Work Program before taking SW 391, 448, 449, and 450.** Students must maintain a 2.25 GPA in Social Work and a 2.25 GPA overall in order to graduate. See the BSW Program Web Page at <http://www.jsu.edu/depart/sowk> for complete information about the BSW Program.

MAJOR IN SOCIOLOGY (B.A. or B.S.) The requirements for a major in Sociology are a total of 128 semester hours, which includes meeting all university general education requirements, including 30 semester hours of Sociology coursework, and either a second major, or minor. Of the 30 hours required for the Sociology degree, 18 hours are dictated by the program, while the additional 12 hours are Sociology electives. The 18 hours of required Sociology courses include: SY 221, 301, 304 or its equivalent (If a non-Sociology statistics course is used, then an additional 300/400 level Sociology course is required to replace SY 304), 427, 499, and one course from : SY 313, 324 or 360. The additional 12 hours will be selected from only Sociology courses. Mathematic requirements

include one of either MS 110 or MS 112. An additional Mathematics course of MS 108 or higher is also required.

Introduction to Sociology (SY 221) is a prerequisite for all Sociology courses. Sociological Methods (SY 301), and Social Statistics (SY 304) should be taken prior to Sociology 300+ electives. Students are urged to consult with their academic advisor who will be helpful in choosing electives. The student should balance breadth and depth as best suits his or her own needs and future plans.

SOCIOLOGY MINOR. The requirements for a minor in Sociology are a minimum of 18 semester hours which must include SY 221 and 301. The remaining 12 hours are electives which must be chosen from courses in the Sociology listing.

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 SY 370 or SW 370 and SY 340 or SW 371. The remaining 12 hours are electives which must be chosen from the following courses—SY 360, SY 364, SY 366, SY 441, SY 442, SY 443, SY 452, SY 495, SW 334, SW 335, SW 371, SW 380, HPE 420, REC 311, and PSY 323. There are no prerequisites for Gerontology minors.

SOCIAL WORK (SW)

DESCRIPTION OF COURSES

330. **Introduction to Social Work (3).** 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.
332. **Social Policy and Services (3).** *Prerequisites:* 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.
333. **Family and Child Welfare Services I (3).** *Prerequisite:* SW 330. 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.
334. **Service Learning (3).** *Prerequisite:* SW 330. Current trends and the historical development of service learning in social services are discussed. Developing, managing, and evaluating service learning programs are reviewed. Students are required to complete 40 volunteer hours in a social service organization.
335. **Social Work in Health Care (3).** *Prerequisite:* SW 330. 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.
336. **Crisis Intervention (3).** *Prerequisite:* SW 330. This course provides content in crisis theory and intervention strategies. May be used as an elective in social work.
338. **Social Work and Mental Health (3).** *Prerequisite:* SW 330. 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.
339. **Communication In Social Work Practice (3).** *Prerequisite:* SW 330. 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.

340. **Social Work and Substance Abuse (3).** *Prerequisite:* SW 330. 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.
343. **Family and Child Welfare Services II (3).** *Prerequisite:* 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.
350. **Social Work Research (3).** *Prerequisites:* SW 330 and CS 201. 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.)**
360. **Cultural Diversity and Social Justice (3).** *Prerequisite:* 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.
365. **Perspectives on Poverty (3).** *Prerequisite:* SW 330. 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.
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.)**
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.)**
380. **Human Behavior and Social Environment I (3).** *Prerequisites:* 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.)**
381. **Human Behavior and Social Environment II (3).** *Prerequisites:* 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.)**
390. **Social Work Practice I (3).** *Prerequisite:* 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.)**
391. **Social Work Practice II (3).** *Prerequisites:* 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.
392. **Cognitive Theories in Social Work Practice (3).** *Prerequisite:* SW 330. 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.

- 395. **Case Management (3).** *Prerequisite:* 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.
- 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.
- 441, 442, 443. **Independent Study (3) (3) (3).** *Prerequisites:* Approval of instructor and department head required. Students with advanced standing explore areas of special interest with individualized instruction from a faculty member. **(Social Work Majors only.)**
- 448. **Social Work Practice III (3).** *Prerequisites:* All other courses for the BSW degree (except SW 449 and SW 450) and admission to Field Instruction Placement. Generalist practice knowledge, values, and skills will be studied and developed for work with and in organizations, communities, and large social systems. Must be taken concurrently with SW 449 and SW 450.
- 449. **Field Instruction Placement (9).** *Prerequisites:* All other courses for the BSW degree (except SW 448 and SW 450) and admission to Field Instruction Placement. Internship in a social service agency for 450 hours of supervised practice. Must be taken concurrently with SW 448 and SW 450.
- 450. **Field Instruction Seminar (3).** *Prerequisites:* All other courses for the BSW degree (except SW 448 and SW 449) and admission to Field Instruction Placement. Class meets once a week. Must be taken concurrently with SW 448 and SW 449.

PLAN OF STUDY

BACHELOR OF SOCIAL WORK DEGREE (BSW)

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
History sequence	3	EH 141	3
BY 101	3	History sequence	3
BY 103	1	BY 102	3
Fine Arts	3	BY 104	1
SY 221, Intro	3	PSY 201	3
	16		16

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	3
MS 108	3	MS 204	3
CS 201	3	General electives	5
PSC 100	3	EC 222	3
Wellness	3	SW 330 Intro to SW	3
	15		17

JUNIOR YEAR

Fall	Spring
SW elective	SW 381, HBSE II
SW 360,	SW 350, Research
SW 380, HBSE I	SW 390, Pract. I
General elective	SW electives
	General elective
16	18

SENIOR YEAR

Fall	Spring
SW 332, Soc. Policy	Final Semester
SW 391, Practice II	SW 448, Practice III
SW electives	SW 449, Field Placement
General elective	SW 450, Field Seminar
15	15

TOTAL HOURS: 128 for the BSW Degree

SOCIOLOGY (SY)

DESCRIPTION OF COURSES

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.
223. **Social Problems (3).** *Prerequisite: SY 221.* American culture and society, including analytical treatment of problems of crime, urban living, mass media, mental illness, education, race, population, civil liberties, and others.
301. **Sociological Methods (3).** *Prerequisite: SY 221.* An introduction to the theory, design, collection, and analysis of data in sociology with particular focus given to various techniques by which sociological data are examined.
303. **Computers and Data Analysis (3).** *Prerequisite: 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.
304. **Social Statistics (3).** *Prerequisite: 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.
308. **American Society and Culture (3).** *Prerequisite: 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.
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.
310. **Marriage and the Family (3).** *Prerequisite: SY 221.* Family structures; functions and dysfunctions of the family; intimate relationships; sexual behaviors and attitudes; the differences between the sexes; dating, courting, and mate selection; endogamy and exogamy; family life; children; and alternatives to traditional marriage.

313. **Social Psychology (3).** *Prerequisite:* 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.
315. **Deviant Behavior (3).** *Prerequisite:* 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.
320. **Criminology (3).** *Prerequisite:* 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.
322. **Juvenile Delinquency (3).** *Prerequisite:* SY 221. Popular misconceptions; delinquency trends; police and juveniles; programs of prevention; detention centers; juvenile courts, probation; theories of causation; corrections.
324. **Social Stratification (3).** *Prerequisite:* 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.
325. **Sociology of Organizations (3).** *Prerequisite:* 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.
326. **Sociology of Education (3).** *Prerequisite:* 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.
340. **Perspectives on Death and Dying (3).** *Prerequisite:* 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.)
360. **Ethnic and Minority Group Relations (3).** *Prerequisite:* 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.
364. **Medicine and Society (3).** *Prerequisite:* 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.
365. **Drugs and Society (3).** *Prerequisite:* 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.
366. **Sociology of Religion (3).** *Prerequisite:* 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.
368. **Theories of Gender (3).** *Prerequisite:* SY 221. The course will examine gender theories about why women and men are unequal. It will also explore gender politics, the activities and strategies for remedying gender inequality. The course builds

- on and makes links to SY 324 (Social Stratification), SY 360 (Ethnic and Minority Group Relations), and SY 427 (Sociological Theory).
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.)
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.
427. **Sociological Theory (3).** *Prerequisites: SY 221 and 15 hours of sociology courses, or permission of instructor.* An examination of the major trends in sociological thought.
- 441, 442, 443. **Independent Study (3) (3) (3).** *Prerequisite: 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.
452. **Aging Practicum (3).** *Prerequisite: 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.
460. **Sociology Internship (3).** *Prerequisite: Minimum cumulative GPA of 3.0; and a minimum completion of 12 hours of sociology course work at Jacksonville State University.* This course provides students the opportunity to gain work/career experience in service/learning or business/corporate settings. Instructor approval required.
- 480, 481, 482. **Advanced Seminar in Sociology (3) (3) (3).** *Prerequisite: SY 221.* An examination of current issues in sociology. The content of the course will vary each semester. Students seeking admission must have advanced standing and secure approval of instructor.
495. **Advanced Seminar in Aging (3).** *Prerequisite: SY 370.* An examination of current issues in aging. Students seeking admission must have advanced standing and secure the approval of instructor.
499. **Senior Sociology Seminar (3).** *Prerequisites: SY 301, 304 and 427; or permission of instructor.* A summary and reintegration of fundamental concepts in sociology. Career paths are also discussed.

PLAN OF STUDY

REQUIREMENTS FOR BACHELOR OF ARTS/BACHELOR OF SCIENCE

MAJOR: SOCIOLOGY

FRESHMAN YEAR

Fall	Spring
EH Comp 101	EH Comp 102
HY 101 or 201**	EH 141, Speech
Natural Science*	HY 102 or 202**
Fine Arts elective*	Natural Science*
SY 221, Intro to Sociology	SY elective
3	3
3	3
4	3
3	4
3	3

SOPHOMORE YEAR

Fall	Spring
EH 201-204, or 219, 220, 231, or 232 . . . 3	EH 201-204, or 219, 220, 231, or 232 . . . 3
MS 110 or MS 112 3	MS Elective (MS 108 or higher) 3
Social/Behavioral Science 3	CS 201. 3
Elective 300+ 3	Minor/ Electives 300+ 5
SY 301, Sociological Methods 3	SY 304, Social Statistics 3
<u>15</u>	<u>17</u>

JUNIOR YEAR

Fall	Spring
SY 313, 324, or 360 3	SY 300+ Elective 3
300+ Electives 9	Minor/ Electives 300+ 6
Minor/ Electives 300+ 6	Minor/ Electives 300+ 6
<u>18</u>	<u>15</u>

SENIOR YEAR

Fall	Spring
SY 300+ Elective 3	SY 499, Senior Seminar 3
SY 427, Sociological Theory 3	SY Elective 300+ 3
Minor/ Electives 300+ 9	Minor/ Electives 300+ 10
<u>15</u>	<u>16</u>

TOTAL HOURS: 128

*See Advisor

**A sequence of either HY 101 and 102 or HY 201 and 202 must be taken

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Dean: William T. Fielding

Accredited by AACSB International

The Association to Advance Collegiate Schools of Business

MISSION STATEMENT

The mission of the College of Commerce and Business Administration (CCBA) is to educate undergraduate and graduate students for successful managerial careers in a dynamic global environment, to be productive and ethical citizens, and to be prepared for advanced studies.

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

Teaching

We seek to provide our students with an educational experience 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 computer literate, 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 effective teaching, advising, and mentoring.

Intellectual Contributions

The CCBA 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 CCBA seeks to take a leadership role in the economic development of the State of Alabama, specifically its Northeast region. 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 Business and Free Enterprise Education, guest speakers, executives-in-residence, and advising groups.

Continuous Improvement

The College strives to provide quality undergraduate and graduate management education through traditional as well as distance delivery. The faculty, staff, and administration of the CCBA are committed to continuously improving the quality of our academic programs, our student support activities, and our service to the local and regional community.

VISION STATEMENT

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

GUIDING PRINCIPLES

The CCBA carries out its mission through its commitment to the following guiding principles:

- emphasizing effective teaching;
- instilling integrity in students;
- recognizing the contribution of others through intellectual and external interactions; and
- improving academic programs, student support activities, and service to the community.

PROGRAMS OF STUDY

This College offers the Bachelor of Science degree with majors in the following areas of study: Accounting, Economics, Finance, Management (concentrations are available in Human Resource Management and Information Management/E-Commerce), and Marketing. A Bachelor of Arts degree with a major in Economics and approved minor which, among others, may include Urban Economics/Real Estate Development is an option. A major in Economics with a concentration in International Business is also available. The CCBA offers minors in accounting, economics, finance, business administration, information management/e-commerce, international business, management, marketing, and urban economics/real estate development.

ADMISSION POLICY

In addition to meeting the general admission requirements of the University, students wishing to pursue a degree from the College of Commerce and Business Administration must adhere to the following:

1. All Bachelor of Science students enrolling in the College will list their major as Pre-Business until the completion of the CCBA Pre-Business program. Upon completion of this 60-hour program with a GPA of 2.0 or higher in the Pre-Business program, students will be admitted, upon application, to one of the five business degree majors (accounting, economics, finance, management, or marketing).
2. While in the Pre-Business Program, all students should schedule English composition and math courses each semester until such courses are completed.
3. CCBA students who complete the 60-hour Pre-Business Program without attaining a 2.0 GPA will be required to repeat courses in the Pre-Business Program until they have attained a 2.0 GPA. For the purposes of calculating the Pre-Business GPA, only the highest grade for repeated courses will be included in the GPA calculation. Students not meeting the conditions to declare a major will be allowed to continue in only the following upper division courses: FIN 301; EC 303, 321, or 322; MKT 301; MGT 301, 305; CBA 350, 390, 396, IME 375 (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 Catalogue that is current at the time they initially enroll. However, if at some later date, a student wishes to change to a more recent Catalogue, this is permissible. Students electing to change to a more recent Catalogue will need to satisfy all requirements of the selected Catalogue. See appropriate section of the University Catalogue for Catalogue 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 Catalogue relative to their admission, both into the University as well as into the College of Commerce and Business Administration. Transfer students also have the right to move to a more current Catalogue, if desired.
6. Students planning to transfer from other junior or senior level colleges should consult with the Student Support Services Coordinator in the College of Commerce and Business Administration for information relative to degree requirements.

ADVISING POLICY

The College of Commerce and Business Administration maintains an Advising Center in which all Pre-Business Freshmen and Sophomore students are advised. In addition, all first-time transfer students are advised in the Center. Juniors and Seniors who have met the requirements of the Pre-Business Program and have been admitted into one of the College's five majors are advised by a faculty member from that major. Advisor assignments are made at the time of admission into the major.

COURSE TRANSFER POLICY

Students transferring to JSU from other accredited institutions must satisfy course and GPA requirements specified for the CCBA Pre-Business Program prior to being admitted into a degree major. Also, students may transfer into JSU from another institution no more than 50 percent of the business credit hours required for the business degree (CCBA 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 Catalogue for Transfer Student Admissions.

CCBA CORE REQUIREMENTS

The following courses are included in the CCBA Core: CBA 100, 350, 390, 396, 469; ACC 200, 210; CS 201; ST 260, 261; FIN 292, 301; EC 221, 222, 303 or 321 or 322; MKT 301; MGT 301, 305; and IME 375. A student must earn a minimum "C" average (2.00 GPA) in CCBA core subjects and CCBA core subjects taken in residence.

OTHER GRADE AND PROGRAM REQUIREMENTS

All other business courses listed in a student's program are included in the student's major. The student must earn a grade of at least a "C" in each of his/her major subjects.

CCBA GRADUATION REQUIREMENTS

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

1. Attain an overall GPA of 2.0 or higher on all courses attempted.
2. Attain a GPA of 2.0 or higher on all courses attempted at JSU.
3. Attain a GPA of 2.0 or higher on all CCBA core courses attempted (See CCBA Core Requirements above).
4. Attain a GPA of 2.0 or higher on all CCBA core courses attempted at JSU.
5. Earn a passing score on the English Competency Exam (ECE). Students should then submit an Application for Degree to the Student Support Services Coordinator in the CCBA Advising Center, Room 110 Merrill Building.
6. Complete the College Based Assessment Skills Exam (CBASE). This is an assessment of students' accomplishments in general education and also measures reasoning skills.
7. Complete the 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.

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.

ADMITTANCE OF BUSINESS MAJORS TO UPPER DIVISION CCBA COURSES

In order to enroll in upper division (300 and 400 level) CCBA courses, students must have completed at least 50 semester hours to include: ACC 200, 210; EC 221, 222; MS

112, and ST 260,261. Students who are enrolled in ACC 210, EC 222 (having completed EC 221), and/or ST 261 may request special permission to enroll simultaneously in upper division CCBA 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 CCBA 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 Pre-Business program and declared a major.

**ADMITTANCE OF NON-BUSINESS MAJORS
TO UPPER DIVISION CCBA COURSES**

Non-business majors having completed at least 50 semester hours may be admitted to 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, FIN 341, 343, and 344 are exceptions to the requirements stated above; these courses are open to all students. FIN 343 and 344 require FIN 341 as a prerequisite.

PRE-BUSINESS PROGRAM

FRESHMAN YEAR

1st Semester	2nd Semester
EH Comp 101 3	EH Comp 102 3
Science ¹ 4	Science ¹ 4
MS 112, Precalculus Algebra 3	ST 260, St & QM I with Lab 4
HY ³ 3	Fine Arts & Humanities ² 3
CBA 100, CBA Orientation 1	
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 14	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 14

SOPHOMORE YEAR

1st Semester	2nd Semester
Literature ⁴ 3	Literature ⁴ 3
ST 261, St. & QM II. 3	PSY 201, SY 221, or AN 224 ⁵ 3
FIN 292, Leg & Soc. Environment 3	EC 222, Principles of Macro Econ 3
EC 221, Principles of Micro Economics. 3	ACC 210, Principles of Mgr Acc 3
ACC 200, Principles of Fin Accounting 3	Fine Arts & Humanities ² 3
..... 3	CS 201, Intro to Info Tech or CS 230 Fund of Comp ⁶ 3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 15	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 18

¹Eight credits of science, with corresponding labs, are required. Select from the following: BY 101, 102; CY 105, 106; GL 241, 242; PHS 201, 202; GY 250, 251.

²Students must select from the following classes: Art 202, DR 242, MU 233, SH 101, or FH 101.

³Students must take HY 101 & 102 or 201 & 202. (Note: Students may take a second literature course in lieu of a second history course)

⁴Students must select from the following literature classes: EH 201 & 202 or 203 & 204 or 219 & 220 or 231 & 232. (Note: Students may take a second history course in lieu of a second literature course)

⁵Students may use any of the three options to satisfy this requirement; however, PSY 201 is preferred.

**BACHELOR OF SCIENCE DEGREE
ACCOUNTING, ECONOMICS, FINANCE,
MANAGEMENT, MARKETING MAJORS
ACCOUNTING**

JUNIOR YEAR

1st Semester	2nd Semester
ACC 301, Acc Info Systems. 3	ACC 372, Income Tax. 3
ACC 310, Financial Acc I. 3	ACC 360, Financial Acc II. 3
CS 305, Spreadsheet Modeling. 3	MGT 305, Org. Behavior. 3
EH 141, Oral Communication 3	FIN 301, Business Finance. 3
MGT 301 Principles of Mgt. 3	MKT 301, Principles of Mkt 3
CBA 350, Business Communication . . . 3	CBA 396, Int'l Business 3
18	18

SENIOR YEAR

1st Semester	2nd Semester
ACC Elective. 3	ACC 477, Audit 3
ACC 371, Cost Accounting 3	ACC Elective. 3
CBA 390, Operations Mgt. 3	CBA 469, Business Policy 3
EC 303, 321, or 322 3	General Electives 4
IME 375, Intro to E-Commerce. 3	PSC 100, Intro to Am Government . . . 3
15	16

CPA EXAMINATION 150 Hour Legislation

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 150 semester hours of postsecondary education, including a baccalaureate degree at an accredited college or university. This education must include a concentration in accounting, including at least 33 semester hours in certain specified accounting subject areas. In addition, the 150 semester hours must also include 3 semester hours of business law, and 27 semester hours from among specified business subject areas.

The requirements exceed the current JSU requirement for a bachelor's degree in accounting by 22 semester hours. 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.

ECONOMICS

JUNIOR YEAR

1st Semester	2nd Semester
EC 321, Intermediate Micro 3	EC 322, Intermediate Macro 3
PSC 100, Intro to Am Government . . . 3	EC Elective ¹ 3
EH 141, Oral Communication 3	FIN 301, Business Finance. 3
MGT 301, Principles of Management . . 3	CBA 390, Operations Mgt. 3
MKT 301, Principles of Marketing. . . . 3	MGT 305, Org Behavior. 3
CBA 350, Business Communication . . . 3	CBA 396, Int'l Business 3
18	18

SENIOR YEAR

1st Semester		2nd Semester	
EC Electives ¹	3	EC 463, Seminar	3
EC 303, Money & Banking	3	EC Electives.	6
General Electives ²	6	CBA 469, Bus Policy.	3
IME 375, Intro to E-Commerce.	3	General Electives ²	3
	15		16

¹Six credits of Economic Electives may be taken from Finance courses numbered 300 or above.

²At least one credit must be at the 300+ level.

FINANCE

1st Semester		2nd Semester	
CBA 350, Bus Communication	3	FIN 441, Fin Mgt	3
FIN 301, Bus Finance	3	FIN Elective	3
MGT 301, Principles of Mgt	3	CBA 396, Int'l Bus.	3
MKT 301, Principles of Mkt	3	MGT 305, Org Behavior.	3
EH 141, Oral Communication	3	CBA 390, Operations Mgt.	3
PSC 100, Intro to Am Govt	3	EC 303, 321 or 322	3
	18		18

SENIOR YEAR

1st Semester		2nd Semester	
FIN Elective	3	FIN 434, Int'l Fin	3
FIN 474, Invest	3	FIN Elect	3
FIN 475, Adv. Topics	3	FIN 481, Seminar	3
General Electives ¹	3	CBA 469, Bus Policy.	3
IME 375, Intro to E-Commerce.	3	General Electives ¹	4
	15		16

MANAGEMENT

JUNIOR YEAR

1st Semester		2nd Semester	
EH 141, Oral Communication	3	MGT 372, Dynamics of Org	3
PSC 100, Intro to Am Government	3	MGT 385, Hum Resource Mgt	3
CBA 350, Business Communication	3	MGT 305, Org Behavior.	3
FIN 301, Business Finance	3	CBA 396, Int'l Business	3
MGT 301, Principles of Mgt	3	EC 303, 321 or 322.	3
MKT 301, Principles of Marketing.	3	CBA 390, Operations Mgt.	3
	18		18

SENIOR YEAR

1st Semester		2nd Semester	
MGT 420, Teams.	3	CBA 469, Bus Policy	3
MGT Electives.	6	MGT 491, Seminar	3
IME 375, Intro to E-Commerce.	3	MGT Elective	3
General Elective ¹	4	General Elective ¹	6
	16		15

¹At least one General Elective credit must be taken at the 300+ level.

**MAJOR: MANAGEMENT WITH CONCENTRATION IN
HUMAN RESOURCE MANAGEMENT**

Students interested in the Bachelor of Science degree with a major in Management and a concentration in Human Resource Management may select their 9 hours of MGT electives from the following five courses: MGT 389 - Advanced Human Resource Management, MGT 422 - Seminar in Human Resource Management, MGT 468 - Compensation Management, MGT 489 - Management Internship, and MGT 490 - Collective Bargaining.

**MAJOR: MANAGEMENT WITH CONCENTRATION IN
INFORMATION MANAGEMENT/E-COMMERCE**

Students interested in the Bachelor of Science degree with a major in Management and a concentration in Information Management/E-Commerce may select 9 hours of IME electives from the following five courses: IME 380 - Project Management, IME 420 - Virtual Enterprises, IME 450 - E-Commerce Information Management, IME 451 - E-Commerce Applications, and CS 305 - Spreadsheet Modeling.

MARKETING

JUNIOR YEAR

1st Semester	2nd Semester
EH 141, Oral Communication 3	MKT 378, Consumer Behavior 3
PSC 100, Intro Am Government 3	MKT elective 3
CBA 350, Bus Communication 3	MGT 305, Org Behavior 3
FIN 301, Bus Fin 3	CBA 396, Int'l Business 3
MGT 301, Principles of Mgt 3	EC 303, 321 or 322 3
MKT 301, Principles of Marketing 3	CBA 390, Operations Mgt 3
18	18

SENIOR YEAR

1st Semester	2nd Semester
MKT 361, Sales 3	CBA 469, Bus Policy 3
MKT 395, Bus-to-Bus Marketing 3	MKT 495, Marketing Mgt 3
MKT 493, International Marketing 3	MKT 497, Marketing Research 3
General Elective 4	MKT Elective 3
IME 375, Intro to E-Commerce 3	General Elective 3
16	15

MINORS

Minors in business related areas are not available as part of the regular degree program (128-131 hours) to students earning a Bachelor of Science Degree in Accounting, 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 Catalogue must be met.**

A minor in Accounting consists of at least 17 hours of Accounting courses including: ACC 200, 210, 301, 310, 372, and three additional hours of 300-400 level Accounting courses.

A minor in Business Administration consists of at least 25 hours including: ACC 200, ACC 210, FIN 292, FIN 301, MGT 301, 305, MKT 301, and ST 260. This minor is not open to business majors.

A minor in Economics consists of at least 18 hours of Economics classes including 221, 222, 303, 321, 322 and three additional hours of 300-400 level EC electives.

A minor in Finance consists of at least 18 hours of Finance courses, including FIN 301, 441, 474 and nine additional hours of 300-400 level FIN electives.

A minor in Information Management/E-Commerce consists of at least 18 hours including IME 375, IME 475, EC 475, MGT 301, CS 400, and one of the following: FIN 300, MKT 301, or MGT 330.

A minor in International Business consists of at least 21 hours including CBA 396, FIN 301, FIN 434, MKT 493 (requires MKT 301 as a prerequisite)¹, EC 450 (requires EC 221, 222 as prerequisites)¹, 3 hours of a foreign language, and either PSC 305 or PSC 432.

A minor in Management consists of at least 18 hours of Management courses including MGT 301, 305, 385, 468 or 490, and six additional hours of 300-400 level MGT electives.

A minor in Marketing consists of at least 18 hours of Marketing courses including MKT 301, 361, 378, 395, 495 and three additional hours of marketing electives.

A minor in Urban Economics/Real Estate Development consists of at least 24 hours including FIN 341, 343, 344, 440 (requires FIN 301 as a prerequisite and FIN 301 requires ACC 200 as a prerequisite)¹, EC 471 (requires EC 221, 222 as prerequisites), MKT 301, 394, and GY 341.

¹This information is provided since these prerequisite courses are in addition to the actual requirements for the minor.

BACHELOR OF ARTS

MAJOR: ECONOMICS WITH APPROVED MINOR

FRESHMAN YEAR

1st Semester		2nd Semester	
EH Comp 101	3	EH Comp 102	3
Science ¹	4	Science ¹	4
MS 112, Precalculus Algebra	3	ST 260, ST & QM I with Lab	4
Fine Arts and Humanities ⁵	3	Social/Behavioral Science ⁴	3
HY ²	3		
	16		14

SOPHOMORE YEAR

1st Semester		2nd Semester	
EC 221, Prin of Micro Econ.	3	Literature ³	3
Literature ³	3	EC 222, Prin of Macro Econ	3
General Electives	3	Minor Course	3
Minor Course	3	CS 201, Intro to Info Tech	3
Fine Arts & Humanities ⁵	3	Social/Behavioral Science ⁴	3
	15		15

JUNIOR YEAR

1st Semester		2nd Semester	
Economics Electives	6	EC 321, Intermediate Micro	3
Minor Course	3	Economics Electives	3
General Elective	3	Minor Course	3
EH 141, Oral Communication	3	General Electives	6
EC 303, Money & Bank	3		
	18		15

SENIOR YEAR

1st Semester	2nd Semester
EC 322, Intermediate Macro 3	EC 450, International Economics 3
Economics Electives 3	Minor Course 3
EC 310, Public Finance 3	General Electives
Minor Course 3	or minor courses if needed) ⁶ 12
General Elective 5	
17	18

¹Two semesters of science with corresponding labs are required. Select from the following: BY 101, 102; CY 105, 106; GL 241, 242; PHS 201, 202; GY 250, 251.

²Students must select from HY 101 & 102, or 201 & 202. (Students may take a second literature course in lieu of a second history course)

³Literature—Select from the following: EH 201 & 202, 203 & 204, 219 & 220, or 231 & 232. (Students may take a second history course in lieu of a second literature course)

⁴Social and Behavioral Science—Select from the following: AN 224, GY 120, PSC 100, PSY 201, SY 221.

⁵Fine Arts and Humanities—Select from the following: ART 202, DR 242, MU 233, SH 101, FH 101.

⁶Of the total hours, 52 must be numbered 300 or above.

MAJOR: ECONOMICS WITH CONCENTRATION IN INTERNATIONAL BUSINESS AND APPROVED MINOR

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: CBA 396 International Business, FIN 434 International Finance (requires FIN 301 as a prerequisite), MKT 493 International Marketing (requires MKT 301 as a prerequisite), and PSC 305 Comparative and International Politics or PSC 432 International Relations.

MAJOR: ECONOMICS WITH MINOR IN URBAN ECONOMICS/REAL ESTATE DEVELOPMENT

Students interested in the Bachelor of Arts degree with a major in Economics and a minor in Urban Economics/Real Estate Development may substitute 24 hours of minor courses/electives with the following 24 hours: FIN 341 Principles of Real Estate, FIN 343 Real Estate Appraisal, FIN 344 Legal Aspects of Real Estate, FIN 440 Real Estate Finance/Development (requires FIN 301 as a prerequisite and FIN 301 requires ACC 200 as a prerequisite), EC 471 Urban Economics (requires EC 221, 222 as prerequisites), MKT 301 Principles of Marketing, MKT 394 Retailing, and GY 341 Economic Geography.

DESCRIPTION OF COURSES GENERAL BUSINESS (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. (PASS/FAIL only).
- 115. **Introduction to Business (3).** Course provides a general overview of the various functional business operations with an emphasis on the role of the enterprise within modern society. (General elective credit only—not open to CCBA Juniors and Seniors).

Courses listed below require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112, and ST 260, 261.

- 300. **American Business Enterprise (3)** *Prerequisites: EC 221 and 2221.* Examines the evolution of business activity in America, including large industrial enterprises, monopolies, financial institutions, and the rise of the internet an service economies. Scheduled on demand.
- 350. **Business Communications (3).** *Prerequisite: EH 101, 102, 141 and Junior Standing.* Principles, procedures, and skills underlying oral and written communications in the field of business.

390. **Operations Management (3).** *Prerequisites: MGT 301 and ST 260 or MS 204.* Concepts and techniques for operational decision-making regarding the conversion of inputs to goods and services within business organizations. This course stresses the application of management principles and the utilization of quantitative methods in both the manufacturing and service sectors. (Formerly MGT 390)
396. **International Business (3).** *Prerequisite: Junior Standing.* Study of the nature and scope of international business, including the basic problems associated with inter-national trade, payments, investment, and cultural differences.
469. **Business Policy and Strategy (3).** *Prerequisites: Senior status and completion of all 200-300 level CCBA Core courses.* Focuses on the formulation and implementation of business strategy and establishment and maintenance of an efficient organization.
488. **Small Business Experience (3).** *Prerequisites: Senior status and completion of all 200-300 level CCBA Core courses.* An integrating management course that focuses on the special problems and skills related to starting, maintaining and expanding small business in a dynamic environment.

**DEPARTMENT OF FINANCE (FIN),
ECONOMICS (EC) AND ACCOUNTING (ACC)**

214 MERRILL HALL

Department Head: Scroggins

FINANCE FACULTY

Professor: Clayton, Schmidt, Scroggins

Assistant Professor: Landry

Associate Professor: Hardy, McIntyre

Instructor: Padgham

ECONOMICS FACULTY

Professor: Fielding, Bennett, McCarty

Associate Professor: Carter, Westley

ACCOUNTING FACULTY

Professor: Sandberg, C. Sneed, J. Sneed

Associate Professor: Zanzig

Instructor: Collum

STATISTICS FACULTY

Professor: Clark

Assistant Professor: Lowe

Instructor: Graham

DESCRIPTION OF COURSES

FINANCE (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. (Formerly CBA 292. Business and Society). May not be taken for credit if student has completed CBA 292, Business and Society.

Courses listed below, with the exception of FIN 311, and FIN 341, 343 and 344 require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112, and ST 260, 261.

300. **Business Law (3).** Legal principles related to Uniform Commercial Code; contracts and personal property and bailments; the law of sales; commercial paper; and secured transactions.

301. **Business Finance (3).** *Prerequisite: Junior Standing.* A survey of business finance. Coverage of the basic financial decisions including investment, financing, and dividend.
311. **Personal Financial Planning (3).** Personal financial planning including time buying, insurance, housing, investments, budgeting, use of financial institutions, and taxes.
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.
343. **Real Estate Appraisal (3).** *Prerequisite: 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.
344. **Legal Aspects of Real Estate (3).** *Prerequisite: FIN 341.* Estates in land, purchase and sales contracts, conveyances, mortgages and trust deed transactions, property taxes, landlord and tenant, wills and inheritance.
361. **Bank Management (3).** *Prerequisite: FIN 301.* The commercial bank as a business enterprise; principles of organization and operation; regulatory framework; and problems of competition and growth.
397. **Financial Institutions and Markets (3).** *Prerequisite: FIN 301.* Analysis of the operating policies of financial institutions and the effect upon the structure of the capital and money markets.
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.
434. **International Finance (3).** *Prerequisite: 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.
440. **Real Estate Finance (3).** *Prerequisite: 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.
441. **Financial Management (3).** *Prerequisite: FIN 301.* A study of financial decision making. Profit planning, financing strategies, financial analysis and ethical questions are emphasized.
474. **Investments (3).** *Prerequisite: FIN 301.* A survey of investment principles and practices. Emphasis is given to security analysis and portfolio management, with special attention focused on the individual investor.
475. **Advanced Topics in Finance (3).** *Prerequisite: FIN 441.* Application of financial management techniques to capital structure policy, dividend policy, financing decisions, working capital management and corporate restructuring.
481. **Seminar in Finance (3).** *Prerequisite: Should be taken in Senior year and after the completion of FIN 441.* Financial theories and problems involving investment, financing, and dividend decisions.
486. **Independent Research in Finance (3).** *Prerequisite: Permission of the department head.* Research will be conducted into an area of "special interest" documented by a thesis-styled research paper.
489. **Finance Internship (3).** *Prerequisites: Senior status and the approval of the Finance Department Head.* Provides the finance major with practical experience in the field via an internship arrangement. (PASS/FAIL grade only).

The following courses may be used to satisfy up to six credits of elective requirements for the Finance major. All prerequisites must be met.

- Accounting 371.—Cost Accounting (3).** *Prerequisite:* ACC 210. For course description see Accounting 371.
- CBA 300.—American Business Enterprise (3)** *Prerequisites:* EC 221, 222. For course description, see CBA 300.
- Economics 316.—Managerial Economics (3).** *Prerequisites:* EC 221, 222. For course description see Economics 316.
- Economics 321.—Intermediate Microeconomics (3).** *Prerequisites:* EC 221, 222. For course description see Economics 321.
- Economics 322.—Intermediate Macroeconomics (3).** *Prerequisites:* EC 221, 222. For course description see Economics 322.
- Economics 471.—Urban Economics (3).** *Prerequisites:* EC 221, 222. For course description see Economics 471.
- Economics 485.—Field Experience (3).** For course description see Economics 485.
- Information Management/e-commerce 380.—Project Management (3).** *Prerequisite:* IME 375. For course description, see IME 380.
- Information Management/e-commerce 420.—Virtual Enterprises (3).** *Prerequisite:* IME 375. For course description, see IME 420.
- Management 330.—Entrepreneurship (3).** *Prerequisite:* MGT 301. For course description, see MGT 330.
- Marketing 361.—Sales/Sales Force Management (3).** *Prerequisite:* MKT 301. For course description, see MKT 361.

ECONOMICS (EC)

- 221. Principles of Microeconomics (3).** *Prerequisite:* MS 100 or higher level math course. Microeconomic analysis, including the consumer, the firm, the market and price determination.
- 222. Principles of Macroeconomics (3).** *Prerequisite:* MS 100 or higher level math course. A macroeconomic approach, including money and banking, national income accounting monetary and fiscal policy, and international economics.
- Business Statistics 261.—Statistics/Quantitative Methods II (3).** *May be counted as a course in Department of Economics for students pursuing the BA in Economics.* For description, see Statistics 261.

Courses listed below require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112 and ST 260, 261 for students pursuing the B.S. degree in a business field.

- 303. Money and Banking (3).** *Prerequisites:* EC 221, 222. Topics in monetary policy, theory, monetary standards, the commercial banking system, and the federal reserve system are considered in detail.
- 305. Comparative Economic Systems (3).** *Prerequisites:* EC 221, 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.
- 310. Public Finance (3).** *Prerequisites:* EC 221, 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.
- 316. Managerial Economics (3).** *Prerequisites:* EC 221, 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.

321. **Intermediate Microeconomic Theory (3).** *Prerequisites:* EC 221, 222. The theory of the pricing system under varying market conditions and the distribution of income among the factors of production.
322. **Intermediate Macroeconomic Theory (3).** *Prerequisites:* EC 221, 222. The measurement of national output, including income and employment theory, general equilibrium theory, and the theories of interest, investment, and consumption.
345. **Industrial Organization and Economic Regulation (3).** *Prerequisites:* EC 221, 222. Investigates the nature of firms and industry structures. Topics include competition, monopoly, firm behavior, transaction costs theory, and the effects of anti-trust and regulatory policy.
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.
446. **Environmental and Natural Resources Economics (3).** *Prerequisites:* EC 221, 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.
450. **International Economics (3).** *Prerequisites:* EC 221, 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.
463. **Senior Seminar in Economics (3).** *Prerequisite:* Capstone course, should be taken in Senior year. *Exceptions approved by Department Head.* Considers the methodology of economics and provides a comprehensive review of economic theory.
465. **Health Care Economics (3).** *Prerequisites:* EC 221, 222. An economic exploration of the health care industry including demand-cost analysis, methodology development, financing health care services, and efficient resource allocation.
471. **Urban Economics (3).** *Prerequisites:* EC 221, 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.
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.
480. **Applied Business Forecasting (3).** *Prerequisites:* 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.
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.
486. **Econometrics (3).** *Prerequisites:* 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.
489. **Economics Internship (3).** *Prerequisite:* Senior status and approval of the Economics Department Head. Provides the economics major with practical experience in the field via an internship arrangement (Pass/Fail grade only).

499. **Special Topics and Research (3).** *Prerequisites:* EC 221, 222. Techniques of research and writing are emphasized. Students select an economic topic of interest and write a thesis-type term paper.

In addition to the above listed Economics courses, up to six credits of elective requirements for the Economics major may also be selected from Finance courses numbered 300 or above (For descriptions of these courses, see FINANCE COURSE DESCRIPTIONS) and/or the following courses listed below. Check with your advisor to determine which courses are best for you. All course prerequisites must be met.

CBA 300.—American Business Enterprise (3). *Prerequisites:* EC 221, 222. (For course description see CBA 300).

Information Management/E-commerce 380.—Project Management (3). *Prerequisite:* IME 375. For course description, see IME 380.

Information Management/E-commerce 420.—Virtual Enterprises (3). *Prerequisite:* IME 375. For course description, see IME 420.

Management 330.—Entrepreneurship (3). *Prerequisite:* MGT 301. For course description, see MGT 330.

BUSINESS STATISTICS (ST)

260. **Statistics/Quantitative Methods I (4).** *Prerequisite:* MS 112. *Corequisite:* ST 260 *LAB required.* Lecture: Quantitative methods and statistics as applied to business and economics including decision/optimization methods, descriptive statistics, probability & statistical inference. Lab: An introduction to Microsoft EXCEL, Microsoft WORD, and the MINITAB statistical software package. Course will focus on computer assignments to complement work covered in the ST 260 course. Student must register for both lecture and lab in same semester.
261. **Statistics/Quantitative Methods II (3).** *Prerequisites:* MS 112, ST 260. Sampling and statistical inference; hypothesis testing; regression and correlation analysis; and analysis of variance.

ACCOUNTING (ACC)

200. **Principles of Financial Accounting (3).** *Prerequisite:* 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.
210. **Principles of Managerial Accounting (3).** *Prerequisites:* MS 112, ACC 200. An introduction to the use of accounting information for planning, decision-making, product costing, and performance evaluation.

Courses listed below require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112, and ST 260, 261.

- Finance 300.—Business Law (3).** May be counted as course in the Department of Accounting. For course description, see Finance 300.
301. **Accounting Information Systems (3).** *Prerequisites:* 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.
310. **Financial Accounting I (3).** *Prerequisite:* ACC 210. An introduction to accounting standards, an overview of accounting statements, and detailed study of asset and liability accounting. (Formerly ACC 393). A minimum grade of "C" in ACC 310 is required as a prerequisite for ACC 360, 410, 477, 478, 489, 490, and 497.

360. **Financial Accounting II (3).** *Prerequisite:* ACC 310 with minimum grade of C. 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.
371. **Cost Accounting (3).** *Prerequisite:* 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.
372. **Income Tax Accounting (3).** *Prerequisite:* 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.
398. **Governmental Accounting (3).** *Prerequisite:* ACC 210, 310 with 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.
401. **Advanced Accounting Information Systems (3).** *Prerequisite:* ACC 301 with 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.
410. **Financial Accounting III (3).** *Prerequisite:* ACC 310 with minimum grade of C. A detailed study of business expansion including combinations and international operations, and an overview of partnership accounting.
476. **Advanced Income Tax Accounting (3).** *Prerequisite:* ACC 372 with minimum grade of C. Advanced federal income tax topics including property transactions and inter-national taxation issues. The course also focuses on the taxation of corporation, 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.
477. **Auditing (3).** *Prerequisites:* ACC 301, 310, and 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.
478. **Accounting Theory (3).** *Prerequisites:* 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.
489. **Accounting Internship (3).** *Prerequisites:* Senior 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. (PASS/FAIL grade only).
490. **Advanced Auditing (3).** *Prerequisites:* 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.
497. **Seminar in Accounting (3).** *Prerequisite:* Senior accounting majors only. Examines critical accounting topics through intensive review of current literature and pronouncements. Assesses student's ability to effectively communicate accounting information.

498. **Independent Research in Accounting (3).** *Prerequisite: Permission of department head.* Research will be conducted on an area of special interest documented by a thesis-styled research paper. Scheduled on demand.

**DEPARTMENT OF MANAGEMENT (MGT) AND
MARKETING (MKT)**

216 MERRILL HALL Department Head: Cobb

MANAGEMENT/IME FACULTY

Professor: Borstorff, Cobb, Gooding, Hearn, Marker

Associate Professors: Williams

Assistant Professors: Featherstone, Palmer

Instructors: Buchanan, Newton

MARKETING FACULTY

Associate Professors: Day, Thomas, Cunningham

Instructor: Parker

DESCRIPTION OF COURSES

MANAGEMENT (MGT)/ INFORMATION MANAGEMENT, E-COMMERCE (IME)

Courses listed below require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112, and ST 260, 261.

MANAGEMENT (MGT)

301. **Principles of Management (3).** *Prerequisite: Junior standing.* A basic course in general management principles and theories. (Management 301 is a prerequisite to all other management courses.)
305. **Organizational Behavior (3).** *Prerequisite: 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.
330. **Entrepreneurship (3).** *Prerequisite: MGT 301.* Comprehensive overview of entrepreneurship and the entrepreneurial process. A practical guide to starting a small business.
372. **The Dynamics of Organizations (3).** *Prerequisite: MGT 301.* An analysis of the managerial process and dynamics of organization, with the organization viewed as a system interacting with a changing environment.
385. **Human Resource Management (3).** *Prerequisite: MGT 301.* Basic principles, philosophies, and applications of personnel administration.
386. **Advanced Organizational Behavior (3).** *Prerequisite: MGT 305.* Utilizing organizational behavior theories to develop skills necessary to manage in any organizational setting.
389. **Advanced Human Resource Management (3).** *Prerequisite: MGT 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.
410. **Advanced Operations Management (3).** *Prerequisite: CBA 390.* An in-depth study of selected topics in production and operations management.
420. **Teams and Quality Management (3).** *Prerequisites: Senior Status and MGT 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.

422. **Seminar in Human Resource Management (3).** *Prerequisite:* MGT 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.
468. **Compensation Management (3).** *Prerequisite:* MGT 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.
489. **Management Internship (3).** *Prerequisites:* Senior status and consent of instructor. Provides the management major with practical experience in the management field via an internship arrangement. (PASS/FAIL grade only.)
490. **Collective Bargaining (3).** *Prerequisite:* MGT 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.
491. **Management Seminar (3).** *Prerequisite:* 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.
495. **Business Decision Simulation (3).** *Prerequisite:* Senior Standing. GPSS computer simulation software is used to construct business decision-making models. Problem analysis, report writing, and software use are emphasized.
496. **International Management (3).** *Prerequisite:* Senior status. Comparative study in managing the international, multinational and national business organization.
499. **Senior Management Research (3).** *Prerequisites:* Senior status and consent of instructor. Independent research on a management topic jointly selected by student and instructor.

The following courses may also be used to satisfy elective requirements for the Management major. All prerequisites must be met.

Finance 300.—Business Law (3). For course description, see Finance 300.

Finance 311.—Personal Financial Planning (3). For course description, see Finance 311.

Finance 341.—Principles of Real Estate (3). For course description, see Finance 341.

Finance 361.—Bank Management (3). *Prerequisite:* FIN 301. For course description, see Finance 361.

Finance 474.—Investments (3). *Prerequisite:* FIN 301. For course description, see Finance 474.

Information Management/E-commerce 380.—Project Management (3). *Prerequisite:* IME 375. For course description, see IME 380.

Information Management/E-commerce 420.—Virtual Enterprises (3). *Prerequisite:* IME 375. For course description, see IME 420.

Information Management/E-commerce 450.—E-Commerce Information Management (3). *Prerequisite:* IME 375. For course description, see IME 450.

CBA 300.—American Business Enterprise (3). *Prerequisites:* EC 221 and 222. For course description, see CBA 300.

CBA 488.—Small Business Experience (3). *Prerequisite:* Senior status and completion of all 200-300 level CCBA core courses. For course description, see CBA 488.

Marketing 365.—Marketing Successes and Failures (3). *Prerequisite:* MKT 301. For course description see Marketing 365.

Marketing 370.—Transportation and Logistics (3). *Prerequisite:* MKT 301. For course description, see Marketing 370.

Marketing 378.—Consumer Behavior (3). *Prerequisite:* MKT 301. For course description, see Marketing 378.

Marketing 395.—Business-to-Business Marketing (3). *Prerequisite:* MKT 301. For course description, see Marketing 395.

INFORMATION MANAGEMENT/E-COMMERCE

375. **Introduction to e-Commerce (3).** *Prerequisite:* 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. (Formerly CBA 375)
380. **Project Management (3).** *Prerequisite:* 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.
385. **E-Commerce Marketing and Metrics (3).** *Prerequisite:* 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.
410. **Process and Methodology (3).** *Prerequisite:* 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.
420. **Virtual Enterprises (3).** *Prerequisite:* 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.
450. **E-Commerce Information Management (3).** *Prerequisite:* IME 375. Developing skills in utilizing e-commerce information to assist managerial decisions. Managing and integrating web page information. (Formerly CBA 450)
451. **E-Commerce Applications (3).** *Prerequisite:* 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.
475. **Current Issues in e-Commerce (3).** *Prerequisite:* IME 375. Distinguished executive guest lecturers and the e-business faculty discuss topical issues related to business transformation and the cyber economy. (Formerly CBA 475)

MARKETING (MKT)

Courses listed below require, in addition to stated prerequisites, ACC 200, 210, EC 221, 222, MS 112, and ST 260, 261.

301. **Principles of Marketing (3).** *Prerequisite:* 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.

361. **Sales/Sales Force Management (3).** *Prerequisite: MKT 301.* A study of the personal selling process. The course focuses on communications, motivation, planning, and practical application of sales techniques.
365. **Marketing Successes and Failures (3).** *Prerequisite: MKT 301.* Students interpret managerial actions in firms in light of insight and knowledge acquired in other business courses. Cases are judged based on marketing results as well as financial and other policy decisions. Many cases involve a strong ethical component.
370. **Transportation and Logistics (3).** *Prerequisite: 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.
378. **Consumer Behavior (3).** *Prerequisite: 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.
388. **Advertising and Promotion (3).** *Prerequisite: MKT 301.* Investigation of methods used to communicate with markets, including advertising, sales promotions, re-seller support, publicity, public relations, and corporate advertising. Includes case combining these methods with a managerial orientation. (formerly MKT 377)
394. **Retailing (3).** *Prerequisite: MKT 301.* A study of the American retailing system. Topics include: the expanding role of e-commerce, store management, atmospherics, location analysis, trading area analysis, site selection, retail buying, merchandise and financial budgeting, inventory control, and promotional strategy.
395. **Business-To-Business Marketing (3).** *Prerequisite: 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. (formerly MKT 363) (May not be taken for credit if student has completed MKT 363 - Industrial Marketing)
489. **Marketing Internship (3).** *Prerequisites: Junior status and consent of instructor.* Provides the marketing major with practical experience in the marketing field via an internship arrangement. (PASS/FAIL grade only).
492. **Senior Marketing Seminar (3).** *Prerequisites: 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.
493. **International Marketing (3).** *Prerequisites: Senior status and MKT 301.* An introduction to the cultural differences encountered in foreign markets (mainly the Arabic/Islamic and Japanese cultures), and the effects of these on target markets, and the product, price, place, and promotion aspects of marketing. The questions of adaptation vs. standardization as a strategy in international markets, barriers to market entry and trade, and the import/export process are examined.
495. **Marketing Management (3).** *Prerequisites: 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.
497. **Market Research (3).** *Prerequisites: 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.
498. **Senior Marketing Research (3).** *Prerequisites: MKT 497 and consent of instructor.* Independent research on a marketing topic jointly selected by student and instructor.

The following courses may also be used to satisfy elective requirements for the Marketing major. All prerequisites must be met.

Finance 300.—Business Law (3). For course description, see Finance 300.

Finance 311.—Personal Financial Planning (3). For course description, see Finance 311.

Finance 341.—Principles of Real Estate (3). For course description, see Finance 341.

Finance 474.—Investments (3). *Prerequisite:* FIN 301. For course description, see Finance 474.

Information Management/E-commerce 380.—Project Management (3). *Prerequisite:* IME 375. For course description, see IME 380.

Information Management/E-commerce 420.—Virtual Enterprises (3). *Prerequisite:* IME 375. For course description, see IME 420.

Information Management/E-commerce 450.—E-Commerce Information Management (3). *Prerequisite:* IME 375. For course description, see IME 450.

CBA 488.—Small Business Experience (3). *Prerequisites:* Senior status and completion of all 200-300 level CCBA core courses. For course description, see CBA 488.

Management 330.—Entrepreneurship (3). *Prerequisite:* MGT 301. For course description, see MGT 330.

Management 372.—Dynamics of Organizations (3). *Prerequisite:* MGT 301. For course description, see MGT 372.

Management 385.—Human Resource Management (3). *Prerequisite:* MGT 301. For course description, see MGT 385.

Management 468. Compensation Management (3). *Prerequisite:* MGT 301. For course description, see MGT 468.

COLLEGE OF EDUCATION AND PROFESSIONAL STUDIES

John B. Hammett, Dean

Associate Dean- vacant

Accredited By:

National Council for Accreditation of Teacher Education

Alabama State Department of Education

American Dietetics Association

Association of Technology, Management, and Applied Engineering

Accrediting Council on Education in Journalism and Mass Communication

Member Of:

American Association of Colleges for Teacher Education

Alabama Association of Colleges for Teacher Education

The College of Education and Professional Studies prepares students for successful careers in a variety of professions. Programs in the College enable graduates to become creative decision makers who can effectively solve problems using concepts and practices appropriate for each discipline. The College meets the changing needs of the region, state, and nation through wide-ranging service and research activities. These activities develop problem-solving strategies and assist in social, educational, and economic development.

The uniqueness of the College is reflected through the diversity of programs and services which make up the College. The programs in Education, Dietetics, Merchandising, and Hospitality and Culinary Management, Exercise Science and Wellness, Recreation Leadership, Counseling, Communication, and Technology and Engineering are designed to enable graduates to effectively solve problems using concepts and practices appropriate for each discipline in a creative decision making process. The faculty of the College of Education and Professional Studies adopted "The Developing Education Professional as Creative Decision Maker" as its model for teacher preparation programs. As with any creative endeavor, teachers must understand their message, audience, medium tools, and process and must make creative decisions in all these areas. They must prepare to take on the challenge of the decision making process with the full knowledge that their educational advancement, and consequently that of the students they serve, requires a personal commitment to lifelong learning. The various programs thus structured prepare teachers who enter the field armed with knowledge gleaned from both its rich history and its state-of-the-art scholarship.

The College of Education and Professional Studies offers programs that are fully accredited by the Association of Technology, Management, and Applied Engineering (ATMAE), American Dietetics Association (ADA), The Accrediting Council on Education in Journalism and Mass Communication (ACEJMC) and the Alabama State Board of Education. The College of Education and Professional Studies at Jacksonville State University is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Avenue NW, Suite 500, Washington, D.C. 20036, phone: (202) 466-7496. This accreditation includes the initial teacher preparation and advanced levels of professional education programs offered at the institution. Graduates of Jacksonville State University's College of Education and Professional Studies benefit from associate membership in the National Association of State Directors of Teacher Education and Certification (NASDTEC), allowing transferability of teaching credentials. These programs lead to the baccalaureate degree. (Consult the College of Graduate Studies Bulletin for programs leading to the Master of Science degree in Education and the degree of Educational Specialist)

EDUCATION PROGRAM REQUIREMENTS

Kelly W. Ryan
Director of Teacher Education Services and
Certification Officer

I. Admission to 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 certification, a student must complete an appropriate course of study at a College or University which has been approved by the State Board of Education to offer a program leading to the desired 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 admitted to the College of Education and Professional Studies Teacher Education Program. Admission to this program is not automatic. To be admitted, 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 that you may have in regard to admission to the Teacher Education Program may be directed to the Director of Teacher Education Services, College of Education and Professional Studies, Ramona Wood Hall, Room 207.

At the beginning of the sophomore year, students may seek admission to education by filing an application to a specific program. The admissions form is available in the Teacher Service Center, Ramona Wood Hall, Room 207.

All the following criteria must be met:

1. The student must have earned a minimum of sixty (60) semester hours of college credit in which at least 48 semester hours are in the general studies area.
2. The student must have earned an overall Grade Point Average of 2.50 based upon a 4.0 scale.
3. The student must have successfully passed the Alabama Prospective Teacher Test (APTT).
4. The student must have submitted three (3) written recommendations from professors in the general studies area. Forms are available in Room 207, Ramona Wood.
5. The student must have successfully completed ED 300, EIM 300 and SPE 300.
6. Students taking ED 300, EIM 300, and SPE 300 are required to purchase College LiveText College LiveText Education Solutions is a complete development management, and assessment solutions specifically designed for colleges and universities. Additional Information of College LiveText can be obtained at <http://college.livetext.com/college/index.htm>.
7. The student must have classroom observation at the level and in the teaching area in which he/she is seeking a degree or certification. A minimum of (thirty hours) of structured observation is required for all students and is completed during ED 300.
8. The student must satisfactorily complete an interview to provide information of the applicant's personality, interests, and aptitudes consistent with the requirements for successful teaching career.
9. Read and sign a Statement of Understanding and clear a criminal background check conducted by the ABI and FBI.

II. Practicum Requirements

The College of Education and Professional Studies requires that a student pursuing a degree in education must engage in practicum experiences in schools and communities prior to the internship semester. For further details, check with the instructor of the re-

spective education course as to the practicum requirements. (A minimum of 201 clock hours).

III. Internship Semester

Students are required to make formal application for the Senior Internship Semester. Please note that student teaching is offered only in the Fall and Spring semesters, and must be taken the last semester before graduation. All Teacher Education Program admission requirements must be met prior to application for internship. Information meetings will be conducted fall and spring semesters. Contact the Teacher Service center for additional information.

Eligibility requirements for the Internship Semester:

1. The internship semester is to be completed during the student's last semester of residency at JSU.
2. The student must have completed all general studies, professional and teaching field courses.
3. The student must possess a 2.50 grade-point average in all of the following areas:
 - a. At all institutions including JSU
 - b. In selected Teaching Field(s)
 - c. In professional education courses
4. The internship is a stand alone experience. The intern shall not be enrolled in other courses during the normal operational hours of the schools where the internship is being completed.
5. The student must earn the grade of "C" or above in all teaching field and professional studies. If a grade below a "C" is earned, the student must upgrade the grade prior to student teaching.
6. The successful completion of the Alabama approved Praxis II exam (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 documentation of a passing score.
7. Student must secure personal liability insurance.

(The Prime Candidate Remediation Program is designed to ensure that only well-prepared individuals receive education degrees. The purpose of the PRIME Candidate program is to identify, remediate, and counsel those individuals who exhibit characteristics associated with problems in student teaching early in the educational program to prevent failure.)

IV. Graduation

Requirements for recommendation for a degree in education:

1. The student must have met all general University and degree program requirements as outlined in the catalogue in effect at the time of the student's admission to the Teacher Education Program.
2. The student must have maintained a 2.50 grade-point average, in all teaching field courses, and in all professional education courses at JSU, and/or all other institutions attended.
3. The student must have successfully completed the English Competency Examination.

V. Application for Certification

Requirements for Alabama Certification:

1. The student, during his/her last semester of course work, is to obtain an application form for certification from Teacher Service Center, Room 207, Ramona Wood Hall. The appropriate fees (money order or cashier's check made payable to the Alabama State Department of Education), which are forwarded with the student's credits to the State Department of Education, should accompany the application. Upon completion of the appropriate courses of study, the institution recommends to the State Department of Education that the appropriate certificate be awarded. The University cannot recommend any student for certification who has not satisfied all State and University requirements for admission to and completion of an approved program.

2. No grade below “C” in professional studies or teaching field may be used to meet certification requirements.
3. The College of Education and Professional Studies does not certify teachers. The sole authority to certify teachers rests with the appropriate state agency. The College of Education and Professional Studies will recommend a student 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.
4. Anyone convicted of a felony and/or misdemeanor other than a minor traffic violation may be denied certification or have certification revoked by the State Superintendent. Questions may be directed to the Director of Teacher Education Services, College of Education and Professional Studies.
5. 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.

DEPARTMENT OF COMMUNICATION (COM)

**Accredited by the Accrediting Council on Education
in Journalism and Mass Communication**

217 SELF HALL

**Department Head: Harbor
Professor: Harbor, Ihator**

**Assistant Professor: Chandler, Hedrick, McGrail
Ayers Chair: Waddle**

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 keyboard/computer skills are mandatory.

THE BACHELOR OF ARTS DEGREE IN COMMUNICATION is obtained by successfully completing: (a) 64 hours within the General Studies Curriculum, including specific university-required courses, CS 201 or TEC 201, EH 141, six hours of a foreign language sequence, six hours of English literature sequence, six hours of history sequence, three hours from Art 202, DR 242, or MU 233, some electives, and (b) 64 hours including 39 in Communication courses, 18 or more hours in a minor field, and some electives. A major in Communication must include COM 200, 449, 450, 459, 491, and either 320 or 325. The remaining hours must be selected from a student’s area of concentration—Broadcasting, Print Journalism, or Public Relations. The six hours in foreign languages must include a sequence of French, or Spanish 101 and 102. Students must maintain a minimum GPA of 2.0 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. All communication majors are required to take at least 80 of the 128 hours required for graduation outside the communication major. Sixty-five of those 80 hours must be courses in liberal arts and sciences. See departmental check sheet for detailed curriculum. Each COM major must 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, exit exams and interviews.

A MINOR IN COMMUNICATION consists of completing all University requirements

and a minimum of 21 hours in the Department of Communication. Required courses include 12 hours in COM 200, either 205 or 315, 301, and either 320 or 325. The remaining nine hours must be selected from any other communication courses for which the student is qualified. Students cannot declare both a major and minor in the Department of Communication.

Students enrolling in COM 404, 407, 475, or 491 must apply for admission into those courses **no later than** the pre-registration period preceding the semester in which the courses will be taken.

COM 491 - Internship - is a required course for all communication majors. Before registering for COM 491 a student must have satisfactorily completed specific courses in her/his area of concentration. The areas of concentration and their requirements are:

Broadcasting—COM 205, 301, 302, and at least 2 hours of COM 404.

Print Journalism—COM 315, 325, and at least 2 hours of COM 404.

Public Relations—COM 315, 330, 340, and COM 325.

BACHELOR OF ARTS

MAJOR: COMMUNICATION

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102* 3
HY* 3	COM 200 3
MS 108 3	HY* 3
Fine Arts Elective 3	CS 201 or TEC 201 3
EH 141, Spch* 3	Natural Science* 4
15	16

SOPHOMORE YEAR

Fall	Spring
Literature* 3	Literature* 3
Natural Science* 4	Social/Behavioral Science* 3
Social/Behavioral Science* 3	General Elective/Minor 6
COM 205 or 315 or 330 3	COM 301 or 325 or 340 3
COM 404 1	COM 404 1
14	16

JUNIOR YEAR

Fall	Spring
COM 380, Com Law 3	COM (interest area elective) 6
COM 302 or 410 3	COM 320 (or interest area) 3
FL 101 3	FL 102 3
COM 404 Media Workshop 1	General Elective/Minor 3
General Elective/Minor 6	COM 415, Mass Communication Research 3
16	18

SENIOR YEAR

Fall	Spring
COM 390, Com Ethics 3	COM (Interest area or elective) 3
COM (Interest area elective) 3	General Elective/Minor 12
General Elective/Minor 9	COM 491 3
15	18

TOTAL HOURS: 128

DESCRIPTION OF COURSES
COMMUNICATION (COM)

200. **Intro to Mass Communication (3).** *Prerequisite: 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, gender-diverse environment.
205. **Intro to Broadcast Writing (3).** *Prerequisite: EH 101 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.
301. **Intro to TV Production (3).** *Prerequisites: COM 200 and EH 101 or EH 103.* 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.
302. **Intro to Audio Production (3).** *Prerequisites: COM 200 and 205.* Introduction to audio concepts and production methods. Includes recording, editing, control room technique, and radio station practice.
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.
315. **Intro to News (3).** *Prerequisites: EH 101 or EH103, EH 102 or EH104, COM 200.* Fundamentals of news reporting, writing and copy editing for print media, dealing with modern news-room issues, including diversity, community involvement and convergence. Requires out-of-class assignments.
320. **Video Production and Editing (3).** *Prerequisites: COM 301 and 302.* 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.
325. **Publication Design (3).** *Prerequisite: COM 205 or 315.* Arranging and editing text, photographs, graphics and other materials from diverse sources for print media.
330. **Intro to Public Relations (3).** *Prerequisites: EH 101 or EH 103, COM 200.* Basic concepts of public relations, including history, theory, organization and ethics. Writing emphasized.
340. **Public Relations Writing (3).** *Prerequisite: COM 330.* The development of professional public relations writing skills. Effective methods of conceptualizing, researching and presenting information to the relevant publics.
350. **Announcing (3).** Fundamentals of voice and diction applied to audio and video media delivery. Includes commercials, news, interviews, and ad-lib announcing.
358. **Communication Theory (3).** *Prerequisites: 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.
375. **Internet Production (3).** *Prerequisite: COM 325 or permission of instructor.* Establishing and maintaining Internet sites for news media and new media by producing and updating text and visual material on home pages. Requires both journalistic and computer skills.
380. **Communication Law (3).** *Prerequisites: 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.

390. **Communication Ethics (3).** *Prerequisites: Junior standing and permission of instructor.* Ethical foundations of the media, including the interrelationships of the media, the public, and the government. Emphasis on gender, religion, ethnic and sexual orientation issues applicable to the communication profession.
400. **Public Relations Case Studies (3).** *Prerequisite: COM 330.* The development of public relations practice skills based on the analysis of contemporary and historical case studies.
401. **Media Advertising and Sales (3).** *Prerequisites: EH 101 or EH 103, COM 200 and Junior standing.* Theory and application of advertising, sales, and copywriting in the print and electronic media.
404. **Media Workshop (1 each).** *Prerequisite: Permission of instructor.* Supervised assignments demonstrating development of high-level competencies and skills in various areas of the media. May be duplicated for credit for a total of three (3) semester hours.
407. **Media Workshop (1 each).** *Prerequisite: Permission of instructor.* Advanced assignments demonstrating development of higher-level competencies and skills in various areas of media. May be duplicated for credit for a total of three (3) semester hours.
410. **Media Features (3).** *Prerequisites: COM 315 and permission of instructor.* Principles and practices of writing features. Requires out-of-class assignments.
415. **Mass Communication Research (3).** *Prerequisites: COM 200, MS 108 and second semester junior in Communication.* Fundamentals of research methodologies in mass communication. Prepares students to become familiar with, and develop the understanding and ability to apply research concepts to mass communication problems. Major topics include, among others, basic statistics, and diversity issues in mass communication research.
420. **Advanced Reporting (3).** *Prerequisites: COM 315, 380, 390 and 415.* News gathering and writing for the print 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 print journalism. It serves as a venue for learning outcomes assessment.
425. **Media Management (3).** *Prerequisites: Junior standing and permission of instructor.* Principles and practices for management of print and electronic media facilities.
440. **Public Relations Campaign Management (3).** *Prerequisites: COM 330, 340, 380, 390, 400, and 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.
470. **Advanced Electronic News (3).** *Prerequisite: COM 320, 380, 390, 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 learning outcomes assessment.
475. **Directed Study (3).** *Prerequisite: Permission of instructor.* Supervised study permitting students to pursue specific areas of interest in communication.
491. **Internship (3).** *Prerequisites: Completion of specified Communication course requirements and permission of the internship coordinator.* Supervised on-the-job experience with an appropriate media facility.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

312 RAMONA WOOD HALL

Acting Department Head: Haynes
Professors: Armstrong, Engley, Haynes, Lowry
Associate Professors: Beard, Hilber, King, Riley
Assistant Professors: Campbell, Gardner, Staubs, R. Taylor
Instructors: Owens, Strain, Sudduth, P. Taylor

The Department of Curriculum and Instruction offers Bachelor of Science in Education degrees in the areas of early childhood education, elementary education, and special education. Upon program completion students will be eligible to apply for the Baccalaureate level Professional Teaching Certificate.

EARLY CHILDHOOD EDUCATION (ECE)

Students majoring in early childhood education are required to complete an approved program consisting of 128 hours leading to a Bachelor of Science Degree in Education. It is recommended that students enroll in the ECE Block classes (ECE 303, 304, 305, 306) before taking the Literacy Block (EED 312, 339, 342, 344) and the Math/Science Block (EED 340, 341, 362). Upon completion of this program, a student will be eligible to apply for the Baccalaureate level Professional Certificate which provides teacher certification for levels preschool through grade three (P-3). Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

EARLY CHILDHOOD EDUCATION

FRESHMAN YEAR

Fall	Spring
EH 101, Composition 3	EH 102, Composition 3
HY 3	EH 141, Speech 3
MS 112*, Algebra 3	BY 102, 104 4
By 101, 103 4	MS* 3
Soc/Beh Science 3	Soc/Beh Science 3
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SOPHOMORE YEAR

Fall	Spring
Literature in Sequence 3	Literature in Sequence 3
CS 201, Information Tech 3	FCS 352 Child Growth & Dev 3
MS* 3	Science** 4
Science** 4	ED 300, Intro to Teacher Educ 1
General Elective 3	EIM 300, Intro to Educ Tech 3
	SPE 300, Survey of Except Child 3
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JUNIOR YEAR

Fall	Spring
ECE 303, Intro Early Child 3	EED 312, Children's Literature 3
ECE 304, Early Literacy 3	EED 339, Integ Theory & Prac 3
ECE 305, Creative & Mental Dev 3	EED 342, Teaching Reading 3
ECE 306, Practicum in ECE 3	EED 344, Develop Lang Arts 3
MS* 3	SPE 421, Collaborative Teacher 2
Soc/Beh Science 3	EH 348, Speech & Comp 3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 18	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 17

SENIOR YEAR

Fall	Spring
EED 340, Practicum Math/Science 1	ED 495, Internship in Education 6
EED 341, Teaching Math 3	ED 496, Reflective Practices in Ed. 3
EED 362, Teaching Science 3	ECE 307, Assessment Young Child 3
EED 343, Teaching Soc Studies 3	
EED 354, Reading Diagnosis 3	
Fine Arts or FL 3	
16	12

TOTAL HOURS: 128

* Math approved courses.

** Science from two different areas other than Biology.

DESCRIPTION OF COURSES (ECE)

- 303. **Introduction to Early Childhood Education (3).** *Prerequisite: FCS 352 with lab.* An introduction to the historical, philosophical, and cultural aspects of early childhood education. Taken with ECE 304, 305, 306, and requires Teacher Education Program admission.
- 304. **Early Literacy (3).** *Prerequisite: FCS 352 with lab.* Materials and methods of teaching literacy in early childhood. Foundations of literacy development including reading, writing, listening, spelling and speaking will be emphasized. Taken with ECE 303, 305, 306, and requires Teacher Education Program admission.
- 305. **Creative and Mental Development (3).** Overview of early development of play, story telling, music, movement, and drama. Strategies for working with diverse populations; health, nutrition and safety issues for the P-3 child. Taken with ECE 303, 304, 306, and requires Teacher Education Program admission.
- 306. **Practicum in ECE (3).** *Prerequisite: FCS 352 with lab.* Provides pre-service teachers with the opportunity to observe and apply theories and concepts in the classroom. Taken with ECE 303, 304, 305, and requires Teacher Education Program admission.
- 307. **Assessment of Young Children (3).** 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 admission.
- 308. **Materials and Methods for the Creative Classroom (3).** Overview of materials and methods in designing a creative classroom. Includes developmentally appropriate objectives and activities for the development of children’s health, self-expression in art, storytelling, movement and play. Emphasis on the Alabama State Course of Study for Kindergarten. This course is for EED majors only and requires Teacher Education Program admission.

*NOTE: Many ECE course have practicum requirements. See an early childhood advisor for details.

EDUCATION (ED)

- 300. **Introduction to Teacher Education (1).** This is an introductory course to teacher education and the CEPS Conceptual Framework. It is a requirement for all initial education candidates (Undergraduate Class B certificate and Alternative 5th Year Masters Class A certificate), and is required prior to admission to teacher education. ED 300 is to be taken after 30 semester hours of core curriculum coursework have been completed.

- 495. **Internship in Education (6).** *Co-requisite: ED 496; Prerequisites: All general studies, professional and teaching field courses, passing score on the Praxis II, and approval of academic advisor.* Supervised teaching in the public schools. Students are required to enroll in program specific sections of ED 4496 and ED 496. Consult the *Coordinator of Clinical Experiences* for details.
- 496. **Reflective Practices in Education (3).** *Co-requisite: ED 495; Prerequisites: All general studies, professional and teaching field courses, passing score on the Praxis II, and approval of academic advisor.* This seminar course is intended to serve as a support mechanism and bridge between methods courses and the internship experience. Class activities will be utilized to facilitate individual growth and professional development through readings, reflective journals, group discussions, and portfolio development.

ELEMENTARY EDUCATION (EED)

Students majoring in elementary education are required to complete an approved program consisting of 128 hours leading to a Bachelor of Science Degree in Education. It is recommended that students enroll in the Literacy Block (EED 312, 339, 342, 344) and the Math/Science Block (EED 340, 341, 362) during the junior year. Upon completion of the program, a student will be eligible to apply for the Baccalaureate level Professional

Certificate which provides teacher certification in kindergarten through grade six (K-6).

Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

ELEMENTARY EDUCATION

FRESHMAN YEAR

Fall	Spring
EH 101, Composition 3	EH 102, Composition 3
CS 201 Information Tech 3	HY. 3
MS 112*, Algebra 3	MS* 3
BY 101/103, Biology I 4	BY 102/104, Biology II. 4
Soc/Beh Science 3	General Electives 3
16	16

SOPHOMORE YEAR

Fall	Spring
Literature in Sequence. 3	Literature in Sequence 3
EH 141, Speech 3	FCS 352, Child Growth & Dev 3
MS* 3	Science** 4
Soc/Beh Science or History 3	ED 300, Intro to Teacher Educ 1
Science** 4	EIM 300, Intro to Educ Tech 3
16	17

JUNIOR YEAR

Fall	Spring
EED 312, Children’s Literature. 3	EED 340, Practicum Math/Science 1
EED 339, Integ Theory & Practice 3	EED 341 Teaching Math 3
EED 342, Teaching Reading 3	EED 362, Teaching Science. 3
EED 344, Develop Lang Arts 3	EED 333, Arts in Integ Curriculum 3
MS* 3	EH 348, Speech & Comp 3
Soc/Beh Science or HY 3	Fine Arts or FL 3
18	16

SENIOR YEAR

Fall	Spring
ECE 308, Materials/Meth in ECE 3	ED 495, Internship in Education 6
EED 343, Teaching Soc Studies. 3	ED 496, Reflective Practices in Ed. 3
EED 354, Reading Diagnosis 3	EED 405, Contemporary Issues 3
EED 421 Effective Tch Strategy 3	
EPY 442, Educational Measurement	
or ECE 307, Assessment 3	
SPE 421 Collaborative Teacher. 2	
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17	12

TOTAL HOURS: 128

DESCRIPTION OF COURSES (EED)

- 312. **Children’s Literature (3).** *Prerequisite: FCS 352 with lab.* Evaluation of books for children, selection criteria, and the interests, needs and abilities of children emphasized. Taken with EED 339, 342, 344 and requires Teacher Education Program admission.
- 333. **Arts in the Integrated Curriculum (3).** The pedagogy and exploration of art, music, and drama, with an emphasis on integration of these creative arts into the elementary curriculum. Requires Teacher Education Program admission.
- 338. **Teaching Reading and Language. (3).** Methods, materials, and research findings concerned with elementary reading/language arts (for Special Education majors only). Requires Teacher Education Program admission.
- 339. **Integrating Theory/Practice (3).** *Prerequisite: FCS 352 with lab.* Provides prospective teachers an opportunity to observe, analyze, and apply concepts and theories in schools and classrooms. Taken with EED 312, 342, 344 and requires Teacher Education Program admission.
- 340. **Practicum in Mathematics/Science (1)** *Prerequisites: All core math and science courses.* Provides preservice elementary teachers an opportunity to observe, analyze, and apply math/science concepts and theories in schools and classrooms. Taken with EED 341 & 362 and requires Teacher Education program admission.
- 341. **Mathematics for Children (3).** *Prerequisites: FCS 352, Math 112 and three additional core math courses.* Materials and methods in the teaching of elementary mathematics concepts and processes. Taken with EED 340 & 362 and requires Teacher Education Program admission.
- 342. **Teaching Reading (3).** *Prerequisite: FCS 352 with lab.* Methods, materials, and research findings concerned with beginning reading instruction for the elementary grades. Taken with EED 312, 339, 344 and requires Teacher Education Program admission.
- 343. **Curriculum Integration in Teaching Social Studies (3).** *Prerequisite: All core social sciences.* Methods and materials of teaching social studies in the elementary grades. Requires Teacher Education Program admission.
- 344. **Developing Language Skills (3).** *Prerequisite: FCS 352 with lab.* Techniques and strategies for promoting communication skills among young learners, with emphasis on the interrelatedness of the language modes. Taken with EED 312, 339, 342, and requires Teacher Education Program admission.
- 354. **Reading Diagnosis (3).** *Prerequisite: EED 342.* Methods and materials in content area learning for the elementary grades with emphasis on study skills, diagnostic and remediation strategies, and evaluation of reading progress. Requires Teacher Education Program admission.
- 362. **Science for Children (3).** *Prerequisites: FCS 352 and all core science courses.* Methods, materials, laboratory demonstration, and organization of science concepts and processes taught in the elementary grades. Taken with EED 340 & 341 and requires Teacher Education Program admission.

- 405. **Contemporary Issues in Education (3).** *Prerequisites: Completion of Literacy Block classes, professional studies, and teaching field courses. This course is to be taken either the semester before student teaching or along with student teaching. Provides understanding of professional responsibilities and provides awareness of the trends, issues, and problems which face teachers in the elementary classroom. Requires Teacher Education Program admission.*
- 421. **Effective Teaching Strategies (3).** *Prerequisite: Completion of Literacy Block (EED 312, 339, 342 & 344) and Senior status. Research findings and practices used by effective teachers that result in positive outcomes for learners, including academic learning, discipline, teaching/learning styles, and classroom management. Requires Teacher Education Program admission.*

NOTE: Many EED courses have practicum requirements. See an elementary advisor for details.

SPECIAL EDUCATION (SPE)

Students majoring in special education are required to complete an approved program consisting of 128 hours leading to a Bachelor of Science Degree in Education. Programs are available in the areas of collaborative teacher (K-6 and 6-12). Upon completion of an approved program, students will be eligible to apply for the Baccalaureate level Professional Certificate which provides teacher certification in Collaborative Teacher (K-6 and 6-12). Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

COLLABORATIVE TEACHER (K-6)

FRESHMAN YEAR

Fall	Spring
EH 101, Composition 3	EH 102, Composition 3
Fine Arts or FL 3	MS 112 Algebra* 3
Natural Science. 4	Natural Science. 4
History 3	Social/Beh Science or History 3
Social/Beh Science. 3	Social/Beh Science. 3
16	16

SOPHOMORE YEAR

Fall	Spring
Literature in Sequence. 3	Literature in Sequence 3
Wellness. 3	EH 141, Speech 3
CS 201, Information Tech 3	PSY 222 3
MS* 3	ED 300 1
Science with lab** 4	EIM 300 3
16	SPE 300. 3
	16

JUNIOR YEAR

Fall	Spring
SPE 331, Intro Lrn & Beh Prob 3	SPE 311, Prog Mild Disabilities 3
SPE 382, Curr Meth Dev Dis 3	SPE 385, Curr & Beh Mgt 3
SPE 384, Curr Strat Learn/Beh Dis 3	SPE 404, Prac Mild Beh Learn Dis 3
SPE 403, Practicum Severe Dis 3	SPE 418, Ind Liv/Career Trans. 3
SPE 422, Collab with Reg Ed 2	EH 348, Speech & Comp 3
MS* 3	MS* 3
Elective 1	
18	18

SENIOR YEAR

Fall	Spring
SPE 405, Med/Eth/Legal Sp Ed 3	ED 495, Internship in Education 6
SPE 416 Assessment 3	ED 496, Reflective Practices in Ed. 3
EED 338, Tch Read/Lang 3	EED 405, Contemporary Issues 3
EED 340, Practicum Math/Science 1	
EED 341, Teaching Math 3	
EED 362, Teaching Science 3	
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 12

TOTAL HOURS: 128

*Math approved courses.
 **Science with lab approved by advisor.

COLLABORATIVE TEACHER (6-12)

FRESHMAN YEAR

Fall	Spring
EH 101, Composition 3	EH 102, Composition 3
Fine Arts or FL 3	MS 112*, Algebra 3
Natural Science. 4	Natural Science. 4
History 3	Social/Beh Science or History 3
Social/ Beh Science 3	Social/Beh Science. 3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16

SOPHOMORE YEAR

Fall	Spring
Literature in Sequence 3	Literature in Sequence 3
Wellness 3	EH 141, Speech 3
CS 201, Information Tech 3	PSY 222 3
MS* 3	ED 300 1
Science with lab** 4	EIM 300 3
	SPE 300. 3
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 16

JUNIOR YEAR

Fall	Spring
SPE 331, Intro Lrn & Beh Prob 3	SPE 311, Prog Mild Disabilities 3
SPE 382, Curr Meth Dev Dis 3	SPE 385, Curr & Beh Mgt 3
SPE 384, Curr Strat for Learn/Beh Dis . 3	SPE 404, Prac Mild Beh Learn Dis 3
SPE 403, Practicum Severe Dis. 3	SPE 418, Ind Liv/Career/Trans 3
SPE 422, Collab with Reg Ed 2	EH 348, Speech & Comp 3
MS* 3	MS* 3
Elective. 1	
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 18	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 18

SENIOR YEAR

Fall	Spring
SPE 405, Med/Eth/Legal SPE 3	ED 495, Internship in Education 6
SPE 416, Assessment 3	ED 496, Reflective Practices in Ed. 3
ESE 383, Reading Content Areas 3	EED 405, Contemporary Issues 3
ESE 481, Practicum. 1	
ESE 404, Effective Teaching 3	
ESE 420, Teaching Science. 3	
or ESE423 Teaching Math	

16

12

TOTAL HOURS: 128

DESCRIPTION OF COURSES (SPE)

- 300. **Survey of Exceptional Children and Youth (3).** An introductory course to the field of exceptional children and youth.
- 311. **Programming/Social Skill Development for Students with Mild Behavior and Learning Disabilities (3).** An introduction to models used and services rendered to students with mental retardation, learning disabilities, and emotional/behavioral disorders, emphasizing educational implications. Requires Teacher Education Program admission.
- 331. **Introduction To Learning and Behavioral Problems (3).** Prerequisite: SPE300. The social, emotional, physical, and learning characteristics of students with mental retardation, learning disabilities, and emotional/behavioral disorders.
- 382. **Curriculum Methods for the Developmentally Disabled (3).** Emphasis on definitions, characteristics, and teaching strategies appropriate to public and private placement facilities for students with mental retardation, learning disabilities, and emotional/behavioral disorders. Requires Teacher Education Program admission.
- 384. **Curriculum and Strategies for Learning Behavior Disabilities (3).** Designed to provide extensive and sophisticated approaches for motivating and instructing students with mental retardation, learning disabilities, and emotional/behavioral disorders. Requires Teacher Education Program admission.
- 385. **Curriculum and Behavior Management (3).** Emphasis on specific intervention techniques to facilitate management of curriculum and behavior for students with mental retardation, learning disabilities, and emotional/behavioral disorders. Requires Teacher Education Program admission.
- 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.
- 388. **Sign Language and Deafness II (3).** Prerequisite: SPE 387 or permission of instructor. Continues acquisition of sign vocabulary and focuses on development of ASL and Pidgin skills.
- 401. **Physical Education for Exceptional Children (3).** Prerequisite: SPE300. Emphasis will be placed on activities of a recreational nature which may be used with the exceptional child. Requires a practicum experience.
- 403. **Practicum in Low Incidence/Severe Disabilities (3).** Prerequisites: SPE 331, 382 and one additional SPE course. Directed experiences in observation and participation in special education classrooms for students with severe disabilities. Seminars will be held in conjunction with this course. Requires Teacher Education Program admission.

- 404. Practicum in Mild Behavior/Learning Disabilities (3).** *Prerequisites: SPE 331, 384 and one additional SPE course.* Designed to give classroom experiences to students in the area of mild disabilities. Facilities will include, when feasible, public school, mental health facilities and day care facilities. Requires Teacher Education Program admission.
- 405. Medical, Legal, & Ethical Aspects of SPE (3).** Examination of trends and issues in special education and their impact on teachers and learners. Requires Teacher Education Program admission.
- 416. Assessment of Teaching/Learning (3).** Introduction to assessment techniques appropriate in evaluating teaching/learning of exceptional students. Legal considerations and development of Individualized Educational Programs. Requires Teacher Education Program admission.
- 418. Independent Living Career Dev. Transition (3).** Provides a practical approach for developing functional living skills in home, school, and community for students with disabilities. Requires Teacher Education Program admission.
- 421. Collaborative Teacher for ECE/EED (2).** *Prerequisite: Literacy Block or Math /Science Block.* The purpose of this course is to prepare general education curricula, various teaching strategies, legal issues, diversity, collaborative models of teaching, transition, learning styles, medical issues, assessment instruments, curriculum adaptation, parent communication skills, advanced classroom management and problem-solving. Requires Teacher Education Program admission.
- 422. Collaboration with Regular Education (2).** *Prerequisite: SPE 403 or SPE 404.* The purpose of this course is to provide students with the opportunity to work together with general education teachers to meet the needs of diverse learners in the collaborative classroom setting. Requires Teacher Education Program admission.

NOTE: Many SPE courses have practicum requirements. See a special education advisor for details.

DEPARTMENT OF EDUCATIONAL RESOURCES

303 RAMONA WOOD HALL

Department Head: Friery

Prof essors: Friery, King, J. Kiser, Morris, Nelson

Visiting Professor: Malone

Associate Professors: I. Eady, Herring, Montgomery, Turner

Assistant Professors: C. Eady, Fox, Chandler, W. Kiser

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, Educational Administration and Library Media, Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

EDUCATIONAL PSYCHOLOGY (EPY)

DESCRIPTION OF COURSES

- 429. Developmental Psychology (3).** *Corequisite: 430.* Covers stages of physical, cognitive, and social-emotional development in school-aged persons from a global and multicultural perspective. This course is a prerequisite for ESE 404 and ESE 484.
- 430. Developmental Psychology Lab. (0).** Provides a 25 clock-hour, Level II clinical experience, supervised through the Teaching/Learning Center, Ramona Wood Hall.

INSTRUCTIONAL MEDIA (EIM)**DESCRIPTION OF COURSES**

300. **Introduction to Education Technology (3).** This course is designed to prepare professional educators 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.

DEPARTMENT OF SECONDARY EDUCATION

206 RAMONA WOOD HALL

Interim Department Head: Barkley
Professors: Webb, Wilson
Associate Professors: Notar, Zenanko
Assistant Professors: Barkley, Cole, Mitchell
Instructors: Padgett

Students majoring in secondary education are required to complete an approved pro-gram consisting of 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**

French	Music - Instrumental	Music - Vocal/Choral	Spanish
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SECONDARY EDUCATION 6-12 PROGRAMS

Biology	Business and Marketing	Career Technologies
English Language Arts	General Science	Social Science
History	Mathematics	Technical Education

BACHELOR OF SCIENCE IN EDUCATION

The Secondary Education teaching fields (P-12 and Grades 6-12) require 128 semester hours in an approved plan of study. Specific plans of study for each teaching field are available from the Teacher Service Center, 207 Ramona Wood Hall.

STUDENTS MUST SEE THEIR ASSIGNED ADVISOR IN THE COLLEGE OF EDUCATION AND PROFESSIONAL STUDIES TO INSURE COMPLIANCE WITH THEIR APPROVED PLAN OF STUDY.

SECONDARY EDUCATION (ESE)**DESCRIPTION OF COURSES**

The curriculum in Secondary Education is for students seeking certification in grades 6-12.

331. **School and Society (3).** *Prerequisites: ED 300, SPE 300, and EIM 300.* A survey of American public education and an overview of current problems and issues in secondary education. Course contains 15 clock-hours required field experience. Requires Teacher Education admission.
383. **Reading in the Content Areas (3).** *Prerequisites: ED 300, SPE 300 and EIM 300.* Emphasis is on teaching comprehension strategies for reading textbooks. Requires Teacher Education admission. Course contains 20 clock-hours required field experience.

- 404. Effective Teaching (3).** *Prerequisites: ESE 331, ESE 383, EPY 429 and 430. Corequisite: ESE 484, and the appropriate special methods course.. Also, 90% of all teaching field courses must be completed prior to enrollment in this course.* Blends theory and practice. Materials and methods of teaching at the secondary level. Requires Teacher Education admission.
- 420. Teaching Mathematics (3).** *Prerequisites: ESE 331, ESE 383, EPY 429 and 430. Co-requisite: ESE 484, Also, 90% of all teaching field courses must be completed prior to enrollment in this course.* Materials and methods of teaching mathematics at the secondary level. Requires Teacher Education admission. Offered in the Fall and Spring Semesters only.
- 421. Teaching Social Sciences (3).** *Prerequisites: ESE 331, ESE 383, EPY 429 and 430. Co-requisite: ESE 404, ESE 484. Also, 90% of all teaching field courses must be completed prior to enrollment in this course.* Materials and methods of teaching history and other social sciences at the secondary level. Requires Teacher Education admission.
- 422. Teaching Language Arts (3).** *Prerequisites: ESE 331, ESE 383, EPY 429 and 430. Co-requisite: ESE 404, ESE 484 Also, 90% of all teaching field courses must be completed prior to enrollment in this course.* Materials and methods of teaching language arts at the secondary level. Requires Teacher Education admission.
- 423. Teaching School Science (3).** *Prerequisites: ESE 331, ESE 383, EPY 429 and 430. Co-requisite: ESE 404, ESE 484, Also, 90% of all teaching field courses must be completed prior to enrollment in this course.* Materials and methods of teaching natural and physical sciences at the secondary level. Requires Teacher Education admission.
- 424. Foreign Language Methods (3).** *Prerequisites: ESE 331, ESE 383, EPY 429 and 430. Corequisite: ESE 404, ESE 484. Also, 90% of all teaching field courses must be completed prior to enrollment in this course.* Materials and methods of teaching foreign language at the secondary level. Requires Teacher Education admission.
- 430. School Publications and Productions (3).** *Prerequisites: ED 300, EIM 300 and SPE 300.* Processes of producing print and non-print school publications, especially newspapers and yearbooks. Requires Teacher Education admission.
- 444. Assessment of Teaching and Learning in Secondary Schools (3).** *Prerequisites: ESE 331, ESE 383, EPY 429 and 430. Also, 90% of all teaching field courses must be completed prior to enrollment in this course.* This course is an introduction to developmentally appropriate evaluation of teaching/learning at the secondary level. Requires Teacher Education Admission.
- 454. Classroom Behavior (1).** *Prerequisites: All professional studies courses and teaching field courses must be completed prior to enrollment in this course. Co-requisite: ESE 495.* Models for establishing and maintaining classroom discipline. Requires Teacher Education admission.
- 484. Practicum (2).** *Prerequisites: ESE 331, ESE 383, EPY 429 and 430. Co-requisite: ESE 404, and the appropriate special methods course. Also, 90% of all teaching field courses must be completed prior to enrollment in this course.* A 115 clock-hour, supervised Level III clinical experience in Grades 6-12.
- 496. Contemporary Issues in Secondary Education (3).** *Prerequisites: All general studies, professional, and teaching field course must be completed prior to this course.* This course offers and in-depth study of critical contemporary issues facing teacher leaders in the secondary environment; classroom management, communication, professional ethics, diversity and evaluation. This course may be taken in conjunction with ESE 495.

** Denotes secondary level methods courses. Students must be formally admitted to the College of Education and Professional Studies to take these courses.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

215 EAST MASON HALL

Department Head: Goodwin
Associate Professor: Roberts
Assistant Professors: Goodwin
Instructors: Boggs, Napoli

The Department of Family and Consumer Sciences offers two degree programs — a Bachelor of Science in Education Degree in Family and Consumer Sciences and a Bachelor of Science Degree with a major in Family and Consumer Sciences with five concentrations: Child Development, Dietetics, Human Sciences, Merchandising, and Hospitality and Culinary Management. Minors offered within the department include: Family and Consumer Sciences, Child Development, Fashion Merchandising, Nutrition and Foods, and Hospitality and Culinary Management. The minor in Family and Consumer Sciences may be earned by completing 21 hours to include the following courses: FCS 122, 131 or 331, 215 or 322, 352 and 353, 355, 371, and 471.

BACHELOR OF SCIENCE IN EDUCATION

Teaching Field in Family and Consumer Sciences 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.

BACHELOR OF SCIENCE IN EDUCATION

Teaching Field: Family and Consumer Sciences Education

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
HY* 3	EH 141, Oral Communication 3
MS 112*, Precalculus Algebra 3	HY* 3
FCS 122, Fund of Food Prep 3	Soc/Behavioral Science * 3
FCS 131, Clothing Construction 3	General Electives 3
	Fine Arts 3
_____	_____
15	18

SOPHOMORE YEAR

Fall	Spring
CS 201, Intro to Info Tech. 3	Literature* 3
Literature* 3	Natural Science * 4
Natural Science * 4	FCS 215, Intro to Nutrition 3
Soc/Behavioral Science * 3	ED 300, Intro to Education 1
FCS 232, Textiles 3	SPE 300, Survey of Except. Child* 3
	EIM 300, Info Age Classroom. 3
_____	_____
16	17

JUNIOR YEAR

Fall	Spring
FCS 323, Experimental Foods 3	FCS 350, Lifespan Hum. Devel. 3
FCS 352, Child Development 2	FCS 332, Social Cult Asp of App 3
FCS 353, Child Devel. Lab. 1	FCS 471, Family Housing& Interiors . . 3
FCS 355, Family Life Ed.. 3	FCS 371, Mgt. of Family Res. 3
ESE 383, Reading in Content Area . . . 3	FCS 335, Visual Merchandising 3
General Electives 3	General Electives 2
15	17

SENIOR YEAR

Fall	Spring
EPY 442, Ed. Measurement or 3	ED 495, Internship in Education 6
EPY 444, Assessment 3	ED 496, Reflective Practices in Ed. 3
FCS 325, Quantity Foods 3	CTE 462, Career Tech Education 3
ESE 331, School & Society 3	
CTE 461, Effective Teaching CTE/FCS . 3	
CTE 460, Practicum In CTE/FCS 3	
FCS 454, Admin. Supv. Child Care . . . 3	
21	12
	TOTAL HOURS: 128

*See General Studies Curriculum

BACHELOR OF SCIENCE**MAJOR IN FAMILY AND CONSUMER SCIENCES****Concentration: Child Development**

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.

A minor in Child Development may be obtained by completing 18 hours including: FCS 352, 353, 355, 456, 457, as well as FCS 450 and 454 or 6 hours of FCS 460. The minor in Child Development provides students majoring in other fields the opportunity to develop an understanding of the nature of child development, as well as factors involved in promoting optimal child outcomes.

FRESHMAN YEAR

Fall	Spring
EH Comp. 101 3	EH Comp 102 3
Natural Science/ Analysis* 4	EH 141, Oral Communication 3
MS 112*, Precalculus Algebra. 3	HY* 3
MSC 115, First Aid 3	Natural Science/ Analysis* 4
Soc/Behavioral Science* 3	Fine Arts Elective* 3
16	16

SOPHOMORE YEAR

Fall	Spring
FCS 215, Intro to Nutrition 3	Literature* 3
FCS 355, Family Life Ed 3	CS 201*, Intro Information Tech 3
HY* 3	FCS 352, Child Growth & Dev 2
Literature* 3	FCS 353, Child Growth Lab 1
ACC 200, Principles of Acc. 3	Soc/Behavioral Sciences* 3
FCS 122, Fund Food Prep 3	SPE 300, Survey of Exceptional Child . . 3
	General Electives 3
<hr/>	<hr/>
18	18

JUNIOR YEAR

Fall	Spring
FCS 360, Contemp Issues Human Dev 3	FCS 350, Lifespan Human Dev 3
FCS 453, Parent-Child Rel. 3	FCS 371, Mgt. Family Resources 3
FCS 456, Adv Child Devel I. 3	FCS 457, Adv Child Devel II. 3
General Electives 6	FCS 458, Research/Stat Methods FCS. 3
	General Electives 6
<hr/>	<hr/>
15	18

SENIOR YEAR

Fall	Spring
FCS 450, Curriculum Plan CD 3	FCS 300, Seminar in FCS 1
FCS 454, Admin & Supervision CD. . . 3	FCS 460, Dir. Field Exp CD. 6
General Electives 8	FCS 471, Family Housing & Interiors . . 3
	FCS 459, Family Interaction 3
<hr/>	<hr/>
14	13

TOTAL HOURS: 128

*See General Studies Curriculum

BACHELOR OF SCIENCE

MAJOR IN FAMILY AND CONSUMER SCIENCES

Concentration: Human Sciences

The concentration in Human Sciences offers the educational background needed for positions in a variety of human and community service positions including positions in extension service, business, social services, and community agencies. The concentration provides an overall discipline-based knowledge in all areas of Family and Consumer Sciences.

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
HY* 3	EH 141, Oral Communication 3
MS 112*, Precalculus Algebra 3	HY* 3
FCS 122, Fund of Food Prep 3	PSY 201, Principles of Psychology 3
FCS 131, Clothing Construction. 3	SY 221, Introduction to Sociology 3
<hr/>	<hr/>
15	15

SOPHOMORE YEAR

Fall	Spring
CS 201,* Intro to Info Tech. 3	Literature* 3
Literature* 3	Natural Science * 4
Natural Science * 4	EC 221, Prin of Microeconomics 3
FCS 232, Textiles 3	FCS 215, Intro to Nutrition 3
PE 109, Concepts Wellness 3	Fine Arts Elective * 3
16	16

JUNIOR YEAR

Fall	Spring
FCS 335, Visual Merchandising 3	FCS 371, Mgt Family Resources 3
FCS 352, Child Growth & Dev 2	FCS 327, Nutrition Life cycle 3
FCS 353, Child Growth Lab 1	FCS 332, Soc Cultural Aspects 3
MGT 301, Principles Mgt 3	FCS 350, Lifespan Dev. 3
FCS 331, Fashion Fund 3	FCS 326, Food Safety & Sanitation. 3
MKT 301, Principles of Marketing. 3	General Electives 3
15	18

SENIOR YEAR

Fall	Spring
CTE 461, Com Educ Skills. 3	MGT 330, Entrepreneurship 3
FCS 471, Family Housing & Interiors . . 3	FCS 455, Family Interaction 3
SPE 300, Survey of the Except Child. . . 3	FCS 338, Community Nutrition 3
FCS 355, Family Life Education. 3	FCS 300, Seminar in FCS 1
General Electives 3	FCS 458, Research/Stats Methods FCS. 3
15	18

TOTAL HOURS: 128

*See General Studies Curriculum

**BACHELOR OF SCIENCE
MAJOR IN FAMILY AND CONSUMER SCIENCES
Concentration: Merchandising**

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. A minor in Fashion Merchandising may be obtained by completing a minimum of 18 hours including: FCS 232, 331, 332, 335 and 6 hours from the following courses: FCS 131, 333, 431, 432, 434 or 435.

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
Natural Science 4	EH 141, Oral Communication 3
MS 112, Precalculus Algebra 3	HY* 3
HY* 3	Natural Science 4
FCS 131, Clothing Construction 3	Fine Arts 3
16	16

SOPHOMORE YEAR

Fall	Spring
Literature* 3	Literature* 3
FCS 331, Fashion Fund and Merch 3	EC 222, Economics 3
FCS 215, Intro Nutrition 3	CS 201*, Intro to Info Tech. 3
FCS 232, Textiles 3	ART 233, Design 3
EC 221, Economics 3	FCS 352, Child Growth & Dev 2
PSY 201, Psychology 3	FCS 353, Child Growth Lab 1
	or FCS 350 Lifespan Hum. Devel.
18	15

JUNIOR YEAR

Fall	Spring
MKT 301, Principles of Mkt. 3	FCS 431, Textiles App Global Econ 3
MGT 301, Principles of Mgt 3	FCS 332, Soc. Cult. Aspects. 3
FCS 355, Family Life Ed 3	FCS 371, Mgt. of Family Resources 3
MKT 361, Sales/Sales Force Mgt. 3	FCS 335, Visual Merchandising 3
General Electives. 3	MKT 378, Cons. Behavior 3
	General Electives 3
15	18

SENIOR YEAR

Fall	Spring
FCS 434, Apparel Design. 3	FCS 300, Seminar in FCS 1
FCS 471, Family Housing & Interiors . . 3	MKT 394, Retailing. 3
MKT 388, Advertising 3	FCS 430, Sr. Experiences in Merch. 3
FCS 435, Merch Planning Analysis 3	FCS 432, History of Fashion 3
General Electives 3	FCS 458, Research/Stat Methods FCS. . 3
	General Electives 2
15	15

TOTAL HOURS: 128

*See General Studies curriculum

BACHELOR OF SCIENCE

MAJOR IN FAMILY AND CONSUMER SCIENCES

Concentration: Dietetics

The Didactic Program in Dietetics at JSU is accredited by the Commission on Accreditation for Dietetics Education of the American Dietetics Association, 216 W. Jackson Blvd., Chicago, IL 60606-6995, (312) 899-5400. Following graduation, each student must complete a supervised practice program accredited by the Commission on Accreditation for Dietetics Education of the American Dietetic Association to qualify for the national examination to become a registered dietitian.

Students must apply for admission to the Dietetics program before the last semester of the sophomore year. To be admitted to the Didactic program, students must complete all courses listed for the freshman and sophomore years with a minimum grade point average of 3.0 on a 4.0 scale and must maintain this average to remain in the program. Students must also earn a minimum grade of 'C' on all science based courses. Students may be admitted conditionally for one semester. Application forms and additional information may be obtained from program advisors.

A minor in Nutrition and Foods may be obtained by completing 18 hours including FCS 122, 322 and 338 and 9 hours from the following courses: FCS 327, 337, 420, 421, 427, 429, or 448.

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
MS 112, Precalculus Algebra 3	EH 141, Oral Communication 3
CY 105**, Gen Chemistry 3	MS 204, Basic Statistics 3
CY 107**, Chemistry Lab 1	PSY 201 or SY 221 3
FCS 122, Fund of Food Prep 3	EC 222, Prin of Macroeconomics 3
BY 101, 103. 4	Fine Arts Elective 3
<hr/> 17	<hr/> 18

SOPHOMORE YEAR

Fall	Spring
Literature* 3	Literature* 3
HY* 3	HY* 3
CY 109**, Elem Organ Chemistry 4	CY 164**, Physiological Chemistry 4
FCS 322, Normal Nutrition. 3	FCS 355, Family Life Ed 3
CS 201*, Intro to Info Tech. 3	FCS 352, Child Growth & Dev 2
	FCS 353, Child Growth Lab 1
	or FCS 350, Lifespan Hum Dev
<hr/> 16	<hr/> 16

JUNIOR YEAR

Fall	Spring
BY 263, Human Anatomy & Phys I. 4	BY 264, Human Anatomy & Phys. II. 4
FCS 323, Experimental Foods 3	FCS 337, Meth Nutrition Assessment 3
FCS 371, Mgt Family Resources. 3	FCS 327, Nutrition in Life Cycle 3
MGT 301, Principles of Mgt. 3	FCS 338, Community Nutrition 3
FCS 325, Quantity Foods. 3	HPE 400, Exercise Phys 3
<hr/> 16	<hr/> 16

SENIOR YEAR

Fall	Spring
BY 283, Health Micro 4	CTE 461, Com & Ed Skills. 3
FCS 301, Career Paths In Dietetics. 1	FCS 421, Medical Nutrition Therapy 3
FCS 429, Advanced Nutrition 3	FCS 448, Alternative Med. 3
FCS 420, Medical Nutrition Therapy I 3	FCS 471, Family Housing & Interior 3
FCS 422, Foodservice Mgt. 3	FCS 458, Research/Stats Methods. 3
<hr/> 14	<hr/> 15

TOTAL HOURS: 128

*See General Studies curriculum

**CY 105, 107, 109, 110 and 164 satisfy the natural sciences, Core Curriculum requirement, for students with a dietetics major.

**BACHELOR OF SCIENCE
MAJOR IN FAMILY AND CONSUMER SCIENCES
Concentration: Hospitality and Culinary Management**

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. A minor may be earned in Hospitality and Culinary Management by completing 18 hours including FCS 132, 323, 325, 422, and six hours from the following courses: FCS 122, 326, 428, 438 or 453.

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Speech	3
BY 101, Intro to Bio	3	HY*	3
BY 103, Bio Lab	1	BY 102, Intro to Bio	3
FCS 122, Fund of Food Prep	3	BY 104, Bio Lab	1
PSY 201, Principles of PSY	3	FCS 132, Culinary Science.	3
	<hr/>		<hr/>
	16		16

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
MS 112, Precalculus Algebra	3	MS*	3
SY 221, Intro to Soc	3	Fine Arts Elective*	3
EC 221, Economics	3	EC 222, Economics	3
CS 201*, Intro to Info Tech.	3	FCS 215, Intro. To Nutrition	3
FCS 325, Quality Food Production ...	3	FCS 326, Food Safety & Sanitation ...	3
	<hr/>		<hr/>
	18		18

JUNIOR YEAR

Fall		Spring	
MGT 301, Principles.	3	MGT 385 or 386	3
ACC 200, Principles Financial Acc ...	3	FCS 300, Seminar in FCS.	1
BY 283, Health Micro	4	FCS 371, Resource Mgt	3
FCS 323, Experimental Foods	3	ACC 210, Principles Managerial Acc ...	3
FCS 352, Child Growth & Dev	2	General Elective.	4
FCS 353, Child Growth Lab	1		
or FCS 350, Lifespan Hum. Devel.			
	<hr/>		<hr/>
	16		14

SENIOR YEAR

Fall		Spring	
FCS 335, Visual Merchandising	3	FCS 458, Research/Stats Methods FCS. 3	
FCS 355, Family Life	3	FCS 471, Family Housing & Interiors . .	3
FCS 422, Foodservice Mgt	3	FCS 428, International Foods	3
MKT 301, Principles	3	FCS 453, Practicum in Hosp & Tour ...	6
FCS 438, Principles of Culinary Mgt. ...	3		
	<hr/>		<hr/>
	15		15

TOTAL HOURS: 128

DESCRIPTION OF COURSES

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.
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.
132. **Culinary Science (3).** *Prerequisites: 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.
215. **Introductory Nutrition (3).** Introduction to the principles of nutrition including nutrient requirements for individuals of all ages.
232. **Textiles (3).** Textile fabrics, their composition, structure and use along with weaves, finishes and care. Natural and manmade fibers used in clothing.
300. **Seminar in Family and Consumer Sciences (1).** *Prerequisite: Junior Status.* The philosophical base of family and consumer sciences and issues affecting the profession.
301. **Career Paths in Dietetics (1).** *Prerequisite: Junior Status.* A survey of the career paths in dietetics and the process for entering the field.
322. **Normal Nutrition (3).** *Prerequisite: 4 hours of Chemistry or Biological Science.* Application of fundamentals of human nutrition including various nutrients and requirements for different individuals and groups.
323. **Experimental Foods (3).** *Prerequisite: 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.
325. **Quantity Food Production (3).** *Prerequisite: FCS 122.* Lectures and laboratory experiences. Introduction to institutional preparation and service of food, equipment operation and maintenance, menu planning and recipe standardization.
326. **Food Safety and Sanitation (3).** *Prerequisites: 4 hours of Natural Sciences and FCS 122.* An introduction to food borne illnesses, safe food preparation practices, micro-biological considerations for specific foodservice systems, and regulatory laws for foodservice establishments.
327. **Nutrition in the Life Cycle (3).** *Prerequisite: FCS 322.* How age, growth and normal development influence the nutritional requirements for individuals at each stage of the life cycle.
330. **Braids, Trims, and Stitchery (3).** The use of individuality in creating unusual trims and accessories for dress.
331. **Fashion Fundamentals and Merchandising (3).** Organization and structure of the fashion industry with emphasis on retailing, sources of information, and fashion trends.
332. **Social Cultural Aspects of Apparel (3).** Overview of social, psychological, and cultural aspects of apparel
333. **Family Clothing (3).** *Prerequisite: FCS 131.* Planning, selection, purchasing and care of family clothing. Emphasis on construction of children's clothing.
334. **Flat Pattern Design (3).** *Prerequisite: FCS 131.* Application of fundamental principles and procedures in the development and use of the master pattern. Applying flat pattern principles to designing patterns, fitting and altering commercial patterns.
335. **Visual Merchandising (3).** 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.

337. **Methods of Nutritional Assessment (3).** *Prerequisite:* FCS 322. An introduction to the profession and practice of dietetics, emphasizing assessment techniques, feeding modalities and counseling methods.
338. **Community Nutrition (3).** *Prerequisite:* 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.
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.
352. **Child Growth and Development (2).** Development and guidance of young children from infancy through middle childhood.
353. **Child Growth and Development Laboratory (1).** Taken concurrently with FCS 352 lecture; two hours per week. Methods of guidance of young children.
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.
360. **Contemporary Issues in Human Development (3).** Current topics in the areas of child and/or family development.
371. **Management of Family Resources (3).** Focuses on the practical application of management principles for use of resources to maximize individual and family quality of life.
420. **Medical Nutrition Therapy I (3).** *Prerequisites:* FCS 337 and FCS 322. The study of relationships between diseases and nutrition. Application of assessment techniques and alternative feeding modalities in medical/nutritional case studies.
421. **Medical Nutrition Therapy II (3).** *Prerequisite:* 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.
422. **Foodservice Management (3).** *Prerequisites:* FCS 122 and MGT 301. Management techniques and functions in foodservice with emphasis on personnel management, materials management and systems approach to foodservice management.
425. **Practicum in Foodservice Management (3).** *Prerequisite:* 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.
427. **Special Problems in Family and Consumer Sciences (3).** *Prerequisites:* Senior Status and approval of instructor. May be duplicated for credit for a total of six (6) semester hours. Individual work in selected area.
428. **International Foods (3).** Lecture and laboratory experiences. Study of food practices, preparation and service of dishes typical of countries around the world.
429. **Advanced Nutrition Metabolism (3).** *Prerequisites:* FCS 322, CY 164, and BY 263 and PE 400. Normal nutrition metabolism and an overview of aberrations in normal metabolism as affected by diseases.
430. **Senior Experiences in Fashion Merchandising (3).** *Prerequisites:* Senior Status and approval of instructor. Field experiences in merchandising. May be duplicated for credit for a total of six (6) semester hours.
431. **Textiles and Apparel in the Global Economy (3).** *Prerequisites:* 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.
432. **History of Fashion (3).** The development of fashion throughout history, with an investigation of the influence of sociological, psychological, economic and cultural factors.

434. **Apparel Design (3).** *Prerequisite: FCS 131.* 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.
435. **Merchandise Planning and Analysis (3).** *Prerequisites: FCS 331 and MKT 394, Junior Status.* Application of principles of merchandise management and retail buying to the merchandising of textiles and apparel and accessories.
438. **Principles of Culinary Management (3).** *Prerequisites: FCS 122, 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.
441. **Practicum in Hospitality and Tourism (3).** *Prerequisite: Approval of instructor.* Practical culinary and tourism experiences in the hospitality industry.
448. **Alternative Medicine and Dietary Supplements (3).** *Prerequisites: FCS 322 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.
450. **Curriculum Planning in Child Development (3).** *Prerequisites: Junior Status and FCS 352 and 353.* Planning a developmentally appropriate curriculum for a child care program.
453. **Parent-Child Relations (3).** *Prerequisite: Junior Status.* Study of the dynamics and reciprocal nature of parent-child relationships, including internal and environmental forces that impact interactions between parents and children.
454. **Administration & Supervision in Child Care Programs (3).** *Prerequisites: Junior Status and FCS 352 and 353 and approval of instructor.* The planning, implementing, and evaluating of a child care program.
455. **Family Interaction/Relations (3).** *Prerequisite: Junior Status.* Developing a support system for family members using collaborative strategies to provide knowledge of community agencies and other available resources.
456. **Advanced Child Development I (Infant and Toddler Development) (3).** *Prerequisites: Junior Status and FCS 352 and 353.* Study of the biological and environmental influences on development from infancy through toddlerhood. Examine theories, research and the family context.
457. **Advanced Child Development II (Ages 3 through 5).** *Prerequisites: Junior Status and FCS 352 and 353.* Study of the 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.
458. **Research and Statistical Methods in FCS (3).** *Prerequisite: Junior Status.* Methods and basic skills for conducting, analyzing, and interpreting research.
459. **Family Interaction (3).** *Prerequisite: Junior Status.* Study of various theories of family interaction, with an emphasis on understanding the family as a system.
460. **Directed Field Experiences (6).** *Prerequisites: 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.
471. **Family Housing and Interiors (3).** *Prerequisite: Junior Status.* An overview of present-day family housing needs including location, space needs, house construction and selection, alternative housing, and home furnishings.
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.

CAREER/TECHNICAL EDUCATION (CTE)

- 460. Practicum in CTE/FCS (3).** 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 admission.*
- 461. Effective Teaching of CTE/FCS (3).** Planning and implementation of instructional methods and materials in secondary career technical education, nutrition education and community education programs. Field experiences. *Must be taken concurrently with CTE 460. Requires Teacher Education Program admission.*
- 462. Career Technical Education (3).** *Prerequisites: CTE 460 & CTE 461, completion of general studies, professional and teaching field courses and approval of academic advisor.* Organization and administration of career/technical education in secondary schools. Includes needs assessment, curriculum planning and implementation of programs. Field experiences. *Requires Teacher Education Program admission.*

**DEPARTMENT OF HEALTH, PHYSICAL
EDUCATION, AND RECREATION****308 MATHEWS COLISEUM****Department Head: Chandler****Professors: Chandler, Hammett, Harris, Roswal, R. Thornburg****Associate Professor: Griffin****Assistant Professor: Hill, Bolgar, Scremin****Instructors: Fleetwood, Moses, L. Thornburg**

The Department of Health Physical Education and Recreation offers 3 degrees: a Bachelor of Science degree in Physical Education, a Bachelor of Science degree in Recreation Leadership, and a Bachelor of Science degree in Exercise Science & Wellness.

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 Physical Education in grades P through 12. Of the 128 hours required to attain the Bachelor of Science in Education degree, the Physical Education major must successfully complete a minimum of 43 hours of departmental courses including HPE 101, 109, 232, 270, 280, 290, 362, 381, 400, 405, 406, 409, 410, 411, 415, 451, 460, 462, and one hour of aquatics (HPE 150, 151, 153, or 155). HPE 101, 270, 280, and 290 must be taken prior to admission to teacher education. Twenty-eight hours of professional studies courses are also required, which include: ED 300, EIM 300, SPE 300, ESE 331, and 383, EPY 429, and HPE 482 and 487. ED 300, EIM 300, SPE 300 must be taken prior to admission to teacher education.

Two non-teaching Bachelor of Science degrees are offered with a major in Recreation Leadership or Exercise Science & Wellness.

Students majoring in Recreation Leadership may attain this degree by completing a general recreation core consisting of REC 221, 271, 310, 312, 430, 435, and HPE 232, and 15 hours in one of the following areas of concentration: community recreation, outdoor education and youth development, four hours of elective activity courses, 12 hours of approved management courses, and 18-24 hours from a chosen minor and general electives.

Students majoring in Exercise Science & Wellness may attain this degree by completing the 44 hour core curriculum (HPE 109, 165, 232, 272, 318, 362, 375, 388, 400, 405, 406, 415, 440, 441, and 465), four hours of departmental approved elective courses, 16 hours of required courses outside the department, and 25 hours from a chosen minor and general electives.

Physical Education (teacher education) degree requirements may be altered to meet changes in federal and Alabama State Department of Education regulations.

The Department offers both a minor and a concentration in coaching. The minor in coaching consists of 18 hours of coursework including 8 hours of core courses from HPE

232, 391, and 405 where the student must earn a grade of C or better. The student must complete 7 hours of sports pedagogy seminars, HPE 320-331, and a practicum in coaching, HPE 302, as the last course in the minor. The concentration in coaching totals 12 semester hours and consists of 8 hours to include a grade of C or better in HPE 232, 391, and 405, and 4 semester hours of sports pedagogy seminars (HPE 320-331).

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 HPE 212, 312, 315, 318, 360, and 420.

A minor in Exercise Science and Wellness is available for students who are pursuing a non-teaching degree. The requirements for a minor in Exercise Science and Wellness are a minimum of 21 hours, to include the following required courses consisting of 12 semester hours; HPE 109, 165, 362, 400, 415. The students must choose 9 hours of electives from the following courses: HPE 272, 405, 406, 440.

A minor in Recreation Leadership is available for students majoring in non-teaching degree fields. A minimum of 21 hours which must include REC 221, 271, 310, 430; 6 hours selected from REC 275, 301, 302, 312, 420 and 3 hours from HPE 111, 113, 114, 140, 141, 158, and 164.

BACHELOR OF SCIENCE IN EDUCATION

Teaching Field: Physical Education (P-12)

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
History in Sequence 3	BY 101/, 103 4
Fine Arts Elective/FL 3	History In Sequence 3
HPE 109, Concepts of Wellness 3	Soc/Behavior Science 3
Soc/Behavior Science 3	HPE 101, Intro to HPE 2
General Elective 3	HPE 232, Sport Safety First Aid 2
<hr/> 18	<hr/> 17

SOPHOMORE YEAR

Fall	Spring
Literature /Humanities* 3	HPE 362 Kinesiology 2
EH 141, Speech 3	HPE 270, Meth Individ /Dual Sports. . . 3
BY 263 Anatomy & Phys 4	HPE 280, Meth Team Sports 3
CS 201, Intro to Information Tech 3	HPE 290, Meth Lifetime Activities. . . . 3
MS 112, Algebra 3	SPE 300 Survey of the Ex Child 3
	ED 300 Intro to Teacher Education . . . 1
	EIM 300 3
<hr/> 16	<hr/> 18

JUNIOR YEAR

Fall	Spring
Aquatics Elective 1	HPE 381, Adapted PE 2
ESE 331, School & Society 3	HPE 460, Motor Dev 2
HPE 405, Scientific Prin Coaching 3	HPE 406, Physical Fitness Techniques . 3
Literature/ Humanities 3	HPE 400, Exercise Physiology. 3
HPE 415, Biomechanics 3	HPE 415, Biomechanics. 3
General Elective 3	General Electives 3
<hr/> 16	<hr/> 16

SENIOR YEAR

Fall	Spring
HPE 462, Best Practices in PE 3	ED 495, Internship in Education 6
HPE 451, Tests & Measurements PE . . . 3	ED 496, Reflective Practices in Ed. 3
HPE 409, Meth Teach PE K-5 3	HPE 482, Seminar in PE 3
HPE 410, Meth Teach PE 6-12. 3	
HPE 411, Practicum PE P-12. 3	
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15	12
TOTAL HOURS: 128	

*See General Studies curriculum

BACHELOR OF SCIENCE

MAJOR: EXERCISE SCIENCE AND WELLNESS

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
HY* 3	EH 141, Speech 3
BY 101 and 103L 4	History/Social/Behavioral Science* . . . 3
FCS 215 or 322* 3	Natural Science* 4
HPE or REC Elective 3	Minor/ Approved Elect 2
	HPE 165, Intro ESW 1
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16	16

SOPHOMORE YEAR

Fall	Spring
Humanities/Fine Arts* 3	Humanities/Fine Arts* 3
History/Social/Behavioral Science* . . . 3	History/Social/Behavioral Science* . . . 3
MS 112*, Alg 3	Basic Statistics Elective** 3
Fine Arts Elective* 3	HPE 232, Sport Safety & First Aid 2
BY 263, Anat & Phys 4	CS 201 or TEC 201 * 3
Minor/ Approved elective 2	HPE or REC Elective 2
<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/>
18	16

JUNIOR YEAR

Fall	Spring
HPE 362, Kinesiology 2	HPE 406, Phys Fit Tech 3
HPE 400, Exercise Physiology 3	HPE 375, Ther Exer/Mod 3
MGT 301, Principles of MGT 3	HPE 350, Intro to Personal Trn. 3
HPE 272, Basic Athletic Train. 3	Minor/ Approved Elective 4
Minor/ Approved Elect 5	HPE 405, Scientific Prin of Conditioning 3
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16	16

SENIOR YEAR

Fall	Spring
HPE or REC Elective 2	Minor/ Approved Elect 8
HPE 415, Biomechanics 3	HPE 465, Practicum 6
HPE 440, Fitness Testing 3	
HPE 441, Design of Well Prog 3	
Minor/ Approved Elective 5	
_____	_____
16	14

TOTAL HOURS: 128

*See General Studies curriculum

**SY 304, PSY 340, or MS 204

**BACHELOR OF SCIENCE
MAJOR: RECREATION LEADERSHIP**

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
History/Social/Behavioral Science* . . . 3	Humanities/Fine Arts* 3
Natural Science* 4	History/Social/Behavioral Science* . . . 3
HPE 109 3	Natural Science* 4
MS 112,* Alg 3	CS 201 or TEC 201 3
_____	_____
16	16

SOPHOMORE YEAR

Fall	Spring
Humanities/Fine Arts* 3	Humanities/Fine Arts* 3
History/Social/Behavioral Science* . . . 3	History/Social/Behavioral Science* . . . 3
REC 271, REC Games 3	HPE Elective (by area) 3-4
EH 141, Speech 3	HPE 232, SS & ET 2
Minor (General Elective) 3	Minor (General Electives) 6
General Elective 1	
_____	_____
16	17-18

JUNIOR YEAR

Fall	Spring
REC 310, Camp/Outdoor Ed 3	REC 312, O-A of Camp Prog 3
REC Concentration 6	REC Concentration 6
FIN 292 3	MGT 385 3
MGT 301 3	Minor 6
Minor 3	
_____	_____
18	18

SENIOR YEAR

Fall	Spring
REC Concentration 2-3	REC 435, Internship in REC 12
REC 430, REC Admin 3	
ACC 200 3	
Minor 6	
_____	_____
14-15	12

TOTAL HOURS: 128

*See General Studies curriculum

DESCRIPTION OF COURSES

GENERAL SERVICE COURSES (HPE)

104. **Aerobics and Fitness (3).** The course is designed to provide students with various aerobically based activities for overall fitness and health of the body.
109. **Concepts of Wellness (3).** Study of basic concepts of wellness including: nutrition, cancer prevention, addictions, and STDs, and physical fitness including principles of exercise, stress management, weight control, and the management of emergencies, accidents, and injuries.
111. **Beginning Hiking (1).** Basic skills in hiking including planning, clothing, map reading, safety, types of hikes and hiking trips (TBA).
113. **Mountain Biking (1).** Basic skills in off-road cycling.
114. **Bicycling (1).** An introductory course in the lifetime activity of cycling. A 10 hour lab is required. The safety, repair, riding, and value are covered.
116. **Body Shaping (3).** An introduction to the basic principles of fitness as they relate to fatty weight loss and muscular development.
117. **Introduction to Yoga (1).** An introduction course in the ancient system of mind-body exercise that offers benefits including increased flexibility, greater strength, and improved concentration.
118. **Beginning Bowling (1).** Basic skills in bowling. Elective credit only, cannot be used to satisfy HPER requirements.
119. **Beginning Fencing (1).** Basic skills in foil fencing. Elective credit only, cannot be used to satisfy HPER requirements.
121. **Beginning Weight Training (2).** Basic skills in weight training. Elective credit only, cannot be used to satisfy HPER requirement.
122. **Beginning Tennis (1).** Basic skills in tennis. Elective credit only, cannot be used to satisfy HPER requirement.
123. **Beginning Racquetball (1).** Basic skills in racquetball. Elective credit only, cannot be used to satisfy HPER requirement.
124. **Beginning Golf (1).** Basic skills in golf. Elective credit only, cannot be used to satisfy HPER requirement.
125. **Beginning Archery (1).** Basic skills in archery. Elective credit only, cannot be used to satisfy HPER requirement.
126. **Beginning Volleyball (1).** Basic skills in volleyball. Elective credit only, cannot be used to satisfy HPER requirement.
127. **Net Games (1).** Basic skills in badminton, pickle ball, and deck tennis. Elective credit only, cannot be used to satisfy HPER requirement.
128. **Table Games (1).** Basic skills in table tennis and billiards. Elective credit only, can-not be used to satisfy HPER requirements.
130. **Tap/Clogging Dance (1).** Basic skills in tap and clogging dancing. Elective credit only, cannot be used to satisfy HPER requirement.
132. **Folk/Square Dance (1).** Basic skills in folk and square dancing. Elective credit only, cannot be used to satisfy HPER requirement.
134. **Social/Ballroom Dance (1).** Basic skills in social and ballroom dancing. Elective credit only, cannot be used to satisfy HPER requirement.
136. **Ballroom, Fox Trot (1).** Introduction to Foxtrot, Slow Waltz, Viennese Waltz, and American Tango dances. Elective credit only, cannot be used to satisfy HPER requirements.
137. **Ballroom, Latin (1).** Introduction to Latin dance steps, such as merengue and salsa. Elective credit only, cannot be used to satisfy HPER requirements.

138. **Swing (1).** Instruction in “swing” dance steps, such as swing, jitterbug, rock and roll. Elective credit only, cannot be used to satisfy HPER requirements.
140. **Alpine Skiing (1).** Basic skills in alpine skiing. Six hours of dry-land instruction and three days (20 hours) of on-snow instruction. Students pay all expenses.
141. **Alpine Skiing II (1).** *Prerequisite: PE 140 or permission of instructor.* Advanced skills in alpine skiing. Four hours of dry-land instruction and three days (20 hours) of on-snow instruction. Students pay all expenses.
143. **Beach Volleyball (1).** Basic instruction in beach volleyball. Elective credit only, can-not be used to satisfy HPER requirements.
150. **Beginning Swimming (1).** The adaptation of the water and basic strokes of swimming. Non-swimmers only.
151. **Aqua Aerobics (3).** Low impact exercises performed in the medium of water.
152. **Angling (1).** Basic fundamentals of fishing.
153. **Life Guarding (2).** 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).
154. **Lifeguard Instructor (2).** *Prerequisites: Instructor certification in CPR and first aid (ARC) and current lifeguard certification.* Preparation to become certification instructor in Lifeguarding.
155. **Community Water Safety (1).** The course covers emergency procedures, spinal injuries, and other aquatic activities.
157. **Water Safety Instructor (2).** *Prerequisite: Current Lifeguard instructor certification.* Water Safety Instructor certification. A 10 hour laboratory is required.
158. **Canoeing and Rafting (1).** Basic skills in canoeing and rafting.
159. **Scuba Diving (3).** Knowledge and skill development in scuba diving. Eight hours pool work, five hours open water diving. Experienced swimmers only. Student pays all expenses.
161. **Martial Arts (2).** Basic skills in aikido including: etiquette, warm-up activities, falls, throws, principles of movement and self defense.
162. **Beginning Tai Chi (1).** A study of the 24 basic forms of Tai Chi, a martial art. Elective credit only, cannot be used to satisfy HPER requirements.
164. **Rock Climbing and Rappelling (1).** Students will participate in on-campus orientation classes and a weekend of natural rock climbing and cliff rappelling.
170. **Basic Skills in Jazz Dance (1).** Basic skills in Jazz Dance. Elective only, cannot be used to satisfy HPER requirement.
191. **Varsity Sports (1).** Successful participation in major varsity sports (Male and Female). May be duplicated for credit to a maximum of eight semesters.

HEALTH AND PHYSICAL EDUCATION

PROFESSIONAL COURSES

(HPE)

101. **Introduction to Physical Education (2).** An introduction to the profession including physical activities, professional organizations, career opportunities, historical development, and development of a sound professional philosophy. Practicum required. HPE 101 is a prerequisite to HPE 270, 280, and 290. Successful completion of HPE 101 is also required prior to admittance to education.
165. **Introduction ESW (1).** 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.

212. **Personal & Community Health (3).** The development of habits, attitudes, and knowledge concerning health, and the professional preparation of individuals introduction to careers and opportunities in the field of exercise science and wellness. Students majoring in ESW are required to complete for work in the community health field.
232. **Sports Safety and First Aid (2).** 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.
270. **Methods of Teaching Individual and Dual Sports (3).** *Prerequisite: HPE 101. Corequisite: To be taken concurrently with HPE 280 and 290.* A course designed to teach the fundamentals of individual and dual sports basic to the physical education program. A practicum is required. HPE 270, 280, and 290 must be complete prior to admission to teacher education.
272. **Basic Athletic Training (3).** *Prerequisite: Enrollment in or completion of BY 263 or permission of instructor.* Introduction to the athletic training profession. Prevention, etiology, and management of athletic injuries will be stressed. Basic anatomy and first aid will be reviewed.
275. **Advanced Athletic Training (3).** *Prerequisite: HPE 272 or permission of instructor.* Advanced athletic training fundamentals including prevention, evaluation, care and etiology of athletic injuries. Legal, professional, and ethical considerations will be discussed.
280. **Methods of Teaching Team Sports (3).** *Prerequisite: HPE 101. Corequisite: To be taken concurrently with HPE 270 and 290.* A course designed to teach the fundamentals of team sports basic to the physical education program. A practicum is required. HPE 270, 280, and 290 must be complete prior to admission to teacher education.
290. **Methods of Teaching Lifetime Activities (3).** *Prerequisite: HPE 101. Corequisite: To be taken concurrently with HPE 270 and 280.* A course designed to teach the fundamentals of lifetime activities basic to the physical education program. A practicum is required. HPE 270, 280, and 290 must be complete prior to admission to teacher education.
300. **Practicum in Physical Education (3).** *Prerequisite: Nine hours in physical education including HPE 101.* Directed experience in observations and participation in physical education classes. Seminars will be held in conjunction with this course.
302. **Practicum in Coaching (3).** Field experience in coaching.
312. **Health Problems and Disease Prevention (3).** An overview of health problems confronting students in today's society. An analysis of a variety of personal, social and environmental factors is included.
315. **Foundations of Health Science (3).** This course explores a historical and philosophical study of the growth and development of health science, health education, and health promotion.
316. **Current Issues and Trends in Health (3).** This course is an intense study of specific health issues and trends affecting today's society.
318. **Health for Special Populations (3).** This course examines the nature and needs of special populations and explores current research regarding special populations to better understand the area.
320. **Seminar in Coaching Baseball (1).** Strategies and techniques for coaching baseball.
321. **Seminar in Coaching Basketball (1).** Strategies and techniques for coaching basketball.
322. **Seminar in Coaching Cheerleading (1).** Strategies and techniques for coaching cheerleading.
323. **Seminar in Coaching Defensive Football (1).** Strategies and techniques for coaching defensive football.

324. **Seminar in Coaching Offensive Football (1).** Strategies and techniques for coaching offensive football.
325. **Seminar in Coaching Golf (1).** Strategies and techniques for coaching golf.
326. **Seminar in Coaching Rifle (1).** Strategies and techniques for coaching rifle.
327. **Seminar in Coaching Soccer (1).** Strategies and techniques for coaching soccer.
328. **Seminar in Coaching Softball (1).** Strategies and techniques for coaching softball.
329. **Seminar in Coaching Tennis (1).** Strategies and techniques for coaching tennis.
330. **Seminar in Coaching Track & Field (1).** Strategies and techniques for coaching track and field.
331. **Seminar in Coaching Volleyball (1).** Strategies and techniques for coaching volleyball.
350. **Introduction to Personal Training (3).** 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.
360. **School & Community Health Programs 6-12 (3).** This course deals with methods and materials in health education for grades 6-12, including: health services, healthful school environment, and health instruction.
361. **Health & PE in Elem. 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.
362. **Kinesiology (2).** *Prerequisite: BY 263.* A science of human motion, and analysis of body movements and action of muscles in human activities.
372. **Assessment of Athletic Injuries (3).** *Prerequisite: HPE 272 or permission of instructor.* Evaluation of injuries which occur in athletics. Special attention will be given to the orthopedic assessment of joint injuries.
375. **Therapeutic Exercise & Modalities (3).** *Prerequisite: HPE 272 or permission of instructor.* Theory and use of therapeutic modalities and rehabilitative exercise. Students will have the opportunity to learn through special experience.
381. **Adapted Physical Education (2).** *Prerequisite: Admittance to the teacher education program.* An introductory course in the field of adapted physical education. A student practicum will be required.
385. **Practicum in Special PE & Rec (3).** Directed practical experiences in physical education and recreation with exceptional individuals. A student practicum will be required.
388. **ESW Research Seminar (3)** 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 data write-up.
391. **Methods and Principles of Coaching (3).** Theory and technique of coaching. Psychological aspects and scientific principles of movement are considered.
392. **Theory of Football and Basketball (3).** Deals with theory. Consideration given to rules, team strategy, and training.
393. **Theory of Baseball and Track and Field (3).** Deals with theory. Consideration given to rules, team strategy, and training.
- 397, 398, 399. **Independent Study in HPER (1, 2, 3).** Opportunity for undergraduate students to explore a particular area of personal interest in HPER. Consent of instructor and department head required.

400. **Exercise Physiology (3).** *Prerequisite:* BY 263. 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.
401. **PE 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.
403. **Special Olympics and Athletics for Special Populations (3).** 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.
405. **Scientific Principles of Conditioning (3).** *Prerequisite:* Junior standing. 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.
406. **Physical Fitness Techniques (3).** *Prerequisites:* HPE 362, 400. Detailed analysis of techniques associated with instruction in aerobic and anaerobic exercise. Special emphasis is placed on weight training, dance aerobics, and aqua aerobics.
409. **Methods of Teaching PE, P-5 (3).** *Prerequisites:* HPE 270, 280, 290. *Admittance to the teacher education program. Corequisite:* To be taken concurrently with HPE 410, 411, 451 and 462. Effective teaching practices and implementation of developmentally appropriate K-5 physical education instruction are taught.
410. **Methods of Teaching PE, 6-12 (3).** *Prerequisites:* HPE 270, 280, 290. *Admittance to the teacher education program. Corequisite:* To be taken concurrently with HPE 409, 411, 451 and 462. Methods and techniques of teaching 6-12 physical education are taught.
411. **Practicum in PE, P-12 (3).** *Prerequisites:* HPE 270, 280, 290. *Admittance to the teacher education program. Corequisite:* To be taken concurrently with HPE 409, 410, 451 and 462. This is a field experience course specific to the application of methods and materials for P-12 physical education.
412. **Special Projects in Health Education (3).** Student participation in solving actual problems related to health.
415. **Biomechanics (3).** *Prerequisite:* HPE 362. This course is a study of human movement with emphasis on biomechanical principles and their application to sport and exercise.
416. **Seminar in Health Education (3).** Problems involved in teaching issues in health education and related topics.
420. **Health Aspects of Aging (3).** The physical, social, emotional, and mental aspects of healthy aging will be explored.
421. **Intramural Sports I (3).** Organization and administration of intramural programs. Emphasis is on officiating the fall sports of football and volleyball. Laboratory arranged.
422. **Intramural Sports II (3).** Organization and administration of intramural programs. Emphasis is on officiating the winter and spring sports of basketball & softball. Laboratory arranged.
440. **Fitness Testing (3).** *Prerequisites:* HPE 362, 400. Detailed analysis of different fitness tests. Particular attention to cardiovascular tests, interpretation of results and prescription of exercise and activities.
441. **Design of Wellness Programs (3).** *Prerequisites:* HPE 362, 400, 440 and Senior Status. 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.

451. **Test and Measurements in PE (3).** *Prerequisites:* HPE 270, 280, 290. *Admittance to the education program. Corequisite:* To be taken concurrently with HPE 409, 410, 411 and 462. Techniques of test evaluation, administration, and interpretations. Emphasis on physical fitness, body mechanics, sports skills, and knowledge tests.
460. **Motor Development (2).** *Prerequisite:* Junior standing. Theoretical and practical principles of motor development, with special emphasis on identification and assessment. A student practicum will be required.
462. **Physical Education Program (3).** *Prerequisites:* HPE 270, 280, 290. *Admittance to the education program. Corequisite:* To be taken concurrently with HPE 409, 410, 411, and 451. The study of curriculum, teaching methods, skills, and the organization and administration of PE programs. Ten hours practicum required.
465. **Practicum in Exercise Science and Wellness (6).** *Prerequisites:* HPE 441 and Senior Standing. Practicum experiences in rehabilitative and/or preventative medicine with respect to ESW programming.
- 471-478. **Practicum in Athletic Training (1).** Practical experiences in athletic training.
482. **Seminar in Physical Education (3).** *Corequisites:* To be taken concurrently with HPE 487. This course contributes to the preparation and meaningfulness of the student internship.
495. **Internship in Grades P-12 (9).** *Prerequisites:* All general studies, professional and teaching field courses; and approval of academic advisor. Supervised teaching in grades P-12. Degree students are required to take a 9-hour internship. Consult an academic advisor about scheduling.

RECREATION LEADERSHIP (REC)

221. **Intro to Recreation (3).** The basic concepts of recreation. History of recreation theories of play and leisure and philosophies of recreation..
271. **Recreational Games and Group Development Activities (3).** An introduction to games for all populations including recreational, educational, developmental, and therapeutic settings. Emphasis is on cooperative games and group development activities.
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.
301. **Youth Sports Program (3).** Methods and principles of organizing and administering youth sports programs. Activities include directed practical experiences.
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.
310. **Camping and Outdoor Education (3).** The out-of-doors and its potential for enhancing the recreation program. Special emphasis is placed on activities in the out-of-doors. A review of the developments in out-of-doors education.
311. **Recreation for the Aged (3).** The course provides the student with knowledge of recreational activities suitable for the older adult. The class includes directed practical activities.
312. **Organization and Administration of Camp Programs (3).** Methods of organization and administration of camp programs including knowledge of standards, utilization of facilities and personnel roles.
360. **Challenge Course Programs and Management (3).** Provides theoretical and experiential understanding of program and management practice associated with the use of the Low Challenge Courses in education, recreation, and therapeutic settings. Technical skill development, facilitation strategies, safety procedures, equipment management, and program design are addressed.

420. **Youth Development Leadership. (3).** A comprehensive examination of theory and practice in contemporary youth development leadership and youth serving agencies.
430. **Recreation Administration (3).** *Prerequisite: Junior standing.* Methods of organizing and administering recreation programs. Activities include directed practical experiences.
435. **Internship in Recreation (12).** *Prerequisites: REC 430 and Senior standing.* Practical field experience in selected programs.

INSTRUCTIONAL SERVICES UNIT

102 RAMONA WOOD HALL

Director: Mike Zenanko
Coordinator: Andrea MacArgel

The Instructional Services Unit offers two elective classes to any JSU student who wishes to provide an academic service to area children.

INSTRUCTIONAL SERVICES UNIT (ISU)

DESCRIPTION OF COURSES

101. **SERVICE LEARNING. (1).** Current techniques in tutoring to help improve the academic skills of K-12 children. Three hours lecture and ten hours tutoring.
102. **SERVICE LEARNING. (2).** Current techniques in tutoring to help improve the academic skills of K-12 children. Five hours lecture and twenty hours tutoring.

DEPARTMENT OF TECHNOLOGY & ENGINEERING

153 AYERS HALL

Department Head: Marbut
Associate Professor: Bekhouche, Ingalsbe
Assistant Professor: Bellman, Godbey
Instructors: Marbut, Sult

The Department of Technology and Engineering offers a Bachelor of Science degree with four separate majors in various applied areas of technology. Additionally, the department offers a minor in Technology, a 2-year Pre-Engineering program, a minor in Basic Engineering, as well as Career Technologies and Technical Education options for students majoring in Secondary Education.

Courses leading to the Bachelor of Science degree are offered for the following majors: **Manufacturing Systems Technology, Electronics Technology, Occupational Safety and Health Technology, and Technology.** Requirements for the comprehensive degree programs (Manufacturing Systems Technology, Electronics Technology, Occupational Safety and Health Technology, and Technology with Industrial Management Concentration) include 66-67 semester hours of technology courses. Students completing these programs are not required to have a minor in another academic discipline. Students may elect to obtain a Bachelor of Science degree with a major in Technology with approved minor. The requirements for this degree include 48 semester hours of technology courses. All of the Technology degrees 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 the application of the knowledge and understanding of materials and production processes, concepts of management and human relations, safety, quality, marketing, communications, electronics, graphics, mathematics, physical sciences, and computer fundamentals in a problem-solving approach.

The four technology 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 (3 semester hours per year for a minimum of 3 years up to a maximum of 6 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 Technology and Engineering.

The Department also offers a **Technology minor** to benefit students majoring in other fields. The minor features a broad offering of courses in technology, including electronics, industrial management, manufacturing, production, quality, and safety. A minor in Technology requires a minimum of 21 hours consisting of: TEC 343, 361, 371, 380 and 9 additional semester hours in the same technical specialty area. Students majoring in any program offered through the Technology and Engineering department will not be eligible for the Technology minor.

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 EH 101, 102, 141; HY 101, 102 or 201, 202; EC 221; CY 105, 106, 107, 108; MS 125, 126, 227, 344; PHS 211, 213, 212, 214; and EG 121, 201, 202, and 255.

The **Basic Engineering minor** is designed for students who wish to gain knowledge in basic engineering to attend graduate school or to work in engineering-related careers in industry or government. This minor requires: EG 112, 121, 226, 201, 202, 255, 343, 361, and 373. In addition, a minor in basic engineering must present credit for CY 105, 106, 107, 108; MS 125, 126, 227, 344; PHS 211, 213, 212, and 214.

High school students preparing for admission to the engineering programs are urged 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 engineering. The major in Secondary Education offers options in Career Technologies and Technical Education that provide students the opportunity to obtain Class B teaching certificates. The program in Career Technologies is designed to prepare graduates to teach in Career Exploration Programs in middle and high school. The program in Technical Education is designed to prepare graduates to teach in selected areas at Career Technical Centers. Students must see the Department of Technology and Engineering for advisement concerning the teaching field classes for these programs. See the Department of Educational Resources section of this catalogue for other specific program requirements. Teacher Education Programs may be altered to meet changes in federal and Alabama State Department of Education regulations.

MANUFACTURING SYSTEMS

TECHNOLOGY MAJOR

FRESHMAN YEAR

Fall	
EH Comp 101	3
HY 101 or 201 ¹	3
TEC 201 Microcomputers	3
MS 117, Adv Technical Math I	2
Soc/Beh Science ²	3
General Electives	2

16

Spring	
EH Comp 102	3
TEC 210 Mach./Mfg. Processes	3
TEC 211 AC/DC Circuits	3
HY 102 or 202 ¹	3
MS 119, Adv Technical Math II	2
General Electives	2

16

SOPHOMORE YEAR

Fall	Spring
Natural Science ³ 4	Natural Science ³ 4
General Electives 2	Soc/Beh Science ² 3
Fine Art ⁵ 3	Literature ⁴ 3
EH 141 Speech 3	TEC 355 Solid Modeling 3
TEC 351 CAD 4	EG 255 Eng Computation 3
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16	16

JUNIOR YEAR

Fall	Spring
TEC 300+ Electives by advisement . . . 4	MS 204 or TEC 371 3
TEC 252 Prog. Controllers 3	EH 322 Technical Writing 3
TEC 361 Materials & Processes 3	TEC 380 Ind. Safety & Health 3
TEC 366 Control Systems 3	TEC 370 Continuous Quality Impr . . . 3
TEC 343 Managing Eng. Tech. 3	TEC 365 Strength of Ind. Mat. 3
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16	16

SENIOR YEAR⁶

Fall	Spring
TEC 451 Adv. Prog. Controllers 3	TEC 429 App. Dig. Comm. Sys 3
TEC 460 CA Manufacturing 3	TEC 440 Mfg. Mgmt. Systems 3
TEC 344 Mfg. Cost Analysis 3	TEC 493 Senior Seminar 1
Literature ⁴ 3	TEC 494 Ind. Internship 2
General Electives 4	General Electives 7
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16	16

ELECTRONICS TECHNOLOGY MAJOR

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
HY 101 or 201 ¹ 3	TEC 210 Mach./Mfg. Processes 3
TEC 201 Microcomputers 3	TEC 211 AC/DC Circuits 3
MS 117, Adv Technical Math I 2	HY 102 or 202 ¹ 3
Soc/Beh Science ² 3	MS 119, Adv Technical Math II 2
General Electives 2	General Electives 2
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16	16

SOPHOMORE YEAR

Fall	Spring
Natural Science ³ 4	Natural Science ³ 4
General Electives 2	Literature ⁴ 3
Fine Art ⁵ 3	Soc/Beh Science ² 3
EH 141 Speech 3	TEC 300+ Electives by advisement . . . 4
TEC 351 CAD 4	General Electives 2
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16	16

JUNIOR YEAR

Fall	Spring
TEC 225 Elec. Devices I 4	TEC 326 Elec. Devices II 3
TEC 311 Elec. Digital 4	TEC 327 Elec. Devices II Lab 1
TEC 344 Mfg. Cost Analysis 3	TEC 343 Managing Eng. Tec. 3
EG 255 Eng. Comp 3	MS 204 or TEC 371 3
General Electives 2	TEC 252 Prog. Controllers 3
	EH 322 Technical Writing 3
16	16

SENIOR YEAR⁶

Fall	Spring
TEC 316 Advanced Electronics 4	TEC 429 App. Dig. Comm. Sy 3
TEC 366 Control Systems Tech. 3	TEC 493 Senior Seminar 1
TEC 370 Cont. Qual. Imp. 3	TEC 494 Ind. Internship 2
TEC 451 Adv. Prog. Controllers 3	TEC 380 Ind. Safety & Health. 3
Literature ⁴ 3	General Electives 7
16	16

OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY MAJOR**FRESHMAN YEAR**

Fall	Spring
EH Comp 101 3	EH Comp 102 3
HY 101 or 201 ¹ 3	TEC 210 Mach./Mfg. Processes 3
TEC 201 Microcomputers 3	TEC 211 AC/DC Circuits 3
MS 117, Adv Technical Math I 2	HY 102 or 202 ¹ 3
Soc/Beh Science ² 3	MS 119, Adv Technical Math II. 2
General Electives 2	General Electives 2
16	16

SOPHOMORE YEAR

Fall	Spring
Natural Science ³ 4	Natural Science ³ 4
Literature ⁴ 3	Literature ⁴ 3
Fine Art ⁵ 3	Soc/Beh Science ² 3
EH 141 Speech 3	TEC 380 Ind. Safety & Health. 3
General Electives 3	General Electives 3
16	16

JUNIOR YEAR

Fall	Spring
TEC 300+ Electives by Advisement. . . . 4	TEC 343 Managing Eng. Tech. 3
TEC 344 Mfg. Cost Analysis 3	MS 204 or TEC 371 3
TEC 370 Cont. Qual. Improvement 3	TEC 382 or TEC 384 3
TEC 392 Fire Safety Tech. 3	TEC 307 Ind. Training 3
Tech Electives 3	EH 322 Technical Writing 3
	General Electives. 1
16	16

SENIOR YEAR⁶

Fall	Spring
TEC 342 Employer-Employee 3	TEC 484 Industrial Ergonomics 3
TEC 485 Ind. Safety Mgt 3	TEC 487 Systems Safety 3
TEC 390 Hazard Control Tech 3	TEC 489 Hazard Materials 3
TEC 488 Industrial Hygiene 3	TEC 493 Senior Seminar 1
General Electives 4	TEC 494 Ind. Internship 2
	General Electives 4
16	16

TECHNOLOGY MAJOR

INDUSTRIAL TECHNOLOGY MANAGEMENT CONCENTRATION

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
HY 101 or 201 ¹ 3	TEC 210 Mach./Mfg. Processes 3
TEC 201 Microcomputers 3	TEC 211 AC/DC Circuits 3
MS 117, Adv Technical Math I 2	HY 102 or 202 ¹ 3
Soc/Beh Science ² 3	MS 119, Adv Technical Math II 2
General Electives 2	General Electives 2
16	16

SOPHOMORE YEAR

Fall	Spring
Natural Science ³ 4	Natural Science ³ 4
Literature ⁴ 3	Literature ⁴ 3
Fine Art ⁵ 3	Soc/Beh Science ² 3
EH 141 Speech 3	TEC 370 Cont. Quality Improvement . . 3
General Elective 3	TEC 380 Ind. Safety and Health 3
16	16

JUNIOR YEAR

Fall	Spring
TEC 300+ Electives by advisement . . . 4	TEC 341 Motion & Time Study 3
TEC 330 Prod. & Inv. Control 3	TEC 342 Employer-Employee 3
TEC 344 Mfg. Cost Analysis 3	TEC 343 Managing Eng. Tech. 3
MS 204 or TEC 370 3	EH 322 Technical Writing 3
TEC 307 Ind. Training 3	General Electives 4
16	16

SENIOR YEAR⁶

Fall	Spring
TEC 361 Materials & Processes 3	TEC 440 Mfg. Mgmt. Systems 3
TEC 436 Inventory Mgt. 3	TEC 484 Industrial Ergonomics 3
TEC 485 Ind. Safety Mgt. 3	TEC 493 Senior Seminar 1
TEC 441 Project Mgmt. 3	TEC 494 Ind. Internship 2
General Electives 4	TEC Electives ⁷ 3
	General Electives 4
16	16

¹Select one complete sequence: HY 101, 102 or 201, 202

²Select from: AN 224, GY 120, PSC 100, PSY 201, SY 221, EC 222

³Select from: CY 105, 106, 107, 108 or PHS 201, 202, 203, 204

⁴Select from: EH 201, 202, 203, 204, 219, 220, 231, 232

⁵Select from: ART 202, DR 242, MUS 233, FL 101

⁶Students will be required in their senior year to take a professional certification exam in meeting graduation requirements

⁷See advisor for approved electives

⁸Must have a grade of "C" or better

TECHNOLOGY (TEC)

DESCRIPTION OF COURSES

201. **MICROCOMPUTERS – APPL. AND TECH. (3).** Two hours lecture and two hours lab per week. An introduction to microcomputer hardware and applications of the microcomputer in industry. Hands on experience with computer system hardware and software.
- 209 **INTRO. TO INDUSTRIAL TECHNOLOGY (3).** This course examines fundamental topics in Industrial Technology. Topics include: role and scope of Industrial Technology, career paths, problem solving in Technology, numbering systems, scientific calculators, dimensioning and tolerancing and computer applications in Industrial Technology.
210. **MACHINING/MANUFACTURING PROCESSES (3).** An introduction to machining concepts and basic processes. Practical experiences with hand tools, jigs, drills, grinders, mills and lathes is emphasized.
211. **AC/DC CIRCUITS (3).** *Prerequisite: MS 112.* Two hours lecture and two hours lab. Scientific and engineering notation; voltage, current, resistance and power, inductors, capacitors, network theorems, phaser analysis of AC circuits.
225. **ELECTRONICS DEVICES I (4).** *Prerequisites: MS 112 and TEC 211.* Three hours lecture and two hours lab. First course in solid state devices. Course topics include: solid state fundamentals, diodes, BJTs, amplifiers and FETs.
252. **PROGRAMMABLE CONTROLLERS (3).** *Prerequisite: TEC 201 or equivalent.* Two hours lecture and two hours lab. Study of basic industrial control concepts using modern PLC systems.
302. **ADVANCED TECHNICAL MATHEMATICS (4).** *Prerequisite: MS 112 or higher.* Selected topics from trigonometry, analytic geometry, differential and integral calculus. Emphasis on problem solving applications relating to technology.
307. **INDUSTRIAL TRAINING (3).** *Prerequisite: TEC 201 or equivalent.* Study of time analysis methods used to determine training requirements, assessing personnel and training resources as well as planning, coordinating and evaluating training.
311. **ELECTRONICS – DIGITAL (4).** *Prerequisite: TEC 201 or equivalent.* Three hours lecture and two hours lab per week. Introduction to digital logic, binary numbers and codes, Boolean algebra, gating networks, flip-flops and registers, sequential and combinatorial logic circuits and semi-conductor memories.
316. **ADVANCED ELECTRONICS (4).** *Prerequisites: TEC 225, 311, or equivalents.* Three hours lecture and two hours lab per week. In-depth study of selected electronic concepts. Topics include: computer analysis of major digital logic families, introduction to state logic, transmission lines, and A/D conversion.
326. **ELECTRONIC DEVICES II (3).** *Prerequisite: TEC 225.* Second course in solid state devices. Topics include: amplifier frequency characteristics, UJT, SCR, OPTO devices, operational amplifiers, filters, and voltage regulators.
327. **ELECTRONIC DEVICES LAB (1).** *Corequisite: TEC 326.* Three hours lab per week. Experiments involving basic electronic devices.
330. **PRODUCTION AND INVENTORY CONTROL (3).** *Prerequisite: Sophomore Status.* Examines the issues involved in effective manufacturing, production and inventory control and shows their interrelatedness.

341. **MOTION AND TIME STUDY (3).** *Prerequisite: MS 112.* Analysis of motions necessary to perform industrial operations; motion economy; development of ratings, allowances, standard data, formula construction, work sampling, wage payment and performance training.
342. **EMPLOYER-EMPLOYEE RELATIONS (3).** *Prerequisite: Sophomore Status.* Theory and policy to perform industrial relations; organization and administration, theories of work, labor relations, commitment and morale, communications, employee benefits and services.
343. **MANAGING ENGINEERING TECHNOLOGY (3).** *Prerequisite: Sophomore Status.* Examination and planning of manufacturing operations, personnel, control methods, equipment and supplies.
344. **MANUFACTURING COST ANALYSIS (3).** *Prerequisites: MS 112 and TEC 201 or equivalent.* Technical and economic evaluation of manufacturing operations to determine cost and feasibility.
351. **COMPUTER-AIDED DESIGN (4).** *Prerequisite: MS 112 or higher.* Three hours lecture and two hours lab. Interpreting engineering drawings and the creation of computer graphics as applied to two-dimensional and three-dimensional drafting and design.
355. **SOLID MODELING (3).** *Prerequisite: TEC 351 or equivalent.* Two hours lecture and two hours lab each week. A parametric, feature based, solid modeling 3D computer-aided design course for mechanical design.
361. **MATERIALS AND PROCESSES OF INDUSTRY (3).** *Prerequisite: TEC 210 or equivalent.* Selection/altering of industrial materials to increase their value, and how they are used in manufacturing. Emphasis on metal and plastics but other materials are discussed.
365. **STRENGTH OF INDUSTRIAL MATERIALS (3).** *Prerequisite: MS 113 or MS 118 or equivalent.* Internal stresses and deformation of bodies resulting from action of external forces; concepts and techniques of testing tensile, compression, shear, transverse, hardness, elasticity on various materials and fasteners.
366. **CONTROL SYSTEMS TECHNOLOGY (3).** *Prerequisite: TEC 211.* Coverage of control systems fundamentals to include: open and closed loop systems, measuring instruments characteristics, sensors in control systems, manipulation methods, and types of control systems.
370. **CONTINUOUS QUALITY IMPROVEMENT (3).** *Prerequisite: TEC 210 or equivalent.* An introduction to the concept of continuous quality improvement and its implementation using process improvement teams.
371. **QUALITY CONTROL IN INDUSTRY (3).** *Prerequisites: MS 112 and TEC 370.* Methods and procedures employed in industrial quality control, theories of measurement, error, prediction, sampling, tests of significance and models.
373. **RELIABILITY TECHNOLOGY (3).** *Prerequisites: MS 204 or TEC 371 and TEC 370.* Examination of failure analysis and calculation of individual component and system reliabilities, maintainability and availability, and their relationships to product liability and safety.
380. **IND. SAFETY AND HEALTH (3).** Principles of hazard identification. Engineering and administrative controls and personal protective equipment. Accident analysis and corrective action.
382. **STANDARDS OF IND. SAFETY (3).** *Prerequisites: TEC 210 and TEC 380.* Standards for plants and manufacturing operations. Enforcement of safety standards and OSHA checklist.
384. **CONSTRUCTION SAFETY (3).** *Prerequisite: Tech 380.* Concepts of construction safety and health and an in-depth coverage of federal and state construction safety regulations. Recognition and control of construction hazards, fell protection scaffolding, excavation, and crane safety.

390. **HAZARD CONTROL TECHNOLOGY (3).** *Prerequisites:* TEC 211 and TEC 210 and TEC 380. Principles and methods for the analysis and design of processes, equipment, products, facilities, operations and environment.
392. **FIRE SAFETY TECHNOLOGY (3).** *Prerequisite:* MS 112. Fire chemistry and propagation. Recognition and control of fire hazards, fire codes, risk, reports and records, and emergency response.
400. **MANUFACTURING CONCEPTS (3).** This course introduces technical education teachers to the principles, practices, and techniques for managing manufacturing technologies.
401. **CAREER TECHNOLOGIES (3).** Development of operational skills for technical education and career technology teachers.
416. **MANUFACTURING AUTOMATIONS AND ROBOTICS (3).** *Prerequisite:* TEC 201. Examination of how industrial controls, and industrial robots function in an automated manufacturing environment. Students learn the theory of operation, how to program, and the practical application of robotic systems. Topics will also include software applications and the integration of control systems for manufacturing.
418. **ELECTRONICS-MICROPROCESSORS (3).** *Prerequisite:* TEC 201 or equivalent. Two hours lecture and two hours lab per week. Introduction to 16-bit computer technology, microcomputer programming, instruction set, breadboarding circuits, device selection and interfacing.
424. **SAFETY AND HEALTH IN THE AUTOMOTIVE INDUSTRY (3).** This course introduces the Safety and Health issues confronting the Automotive Industry. Included is a comprehensive examination of issues with automotive manufacturing as well as issues pertaining to consumer product safety. Extensive use of recent Automotive Industry Case Studies.
428. **ELECTRONICS – COMMUNICATIONS (3).** *Prerequisite:* TEC 225. RF transmitting and receiving circuits, amplitude and frequency modulation and detection, phase modulation, antennas, and RF transmission lines, and data transmissions. Two hours lecture and two hours lab per week.
429. **APPLIED DIGITAL COMMUNICATIONS SYSTEMS (3).** *Prerequisite:* TEC 201 or equivalent. A detailed study of digital communications techniques. Topics include: sampling and digital pulse modulation, communications networks and standards, protocol and troubleshooting, digital multiplexing and cellular communications.
436. **INVENTORY MANAGEMENT (3).** *Prerequisite:* TEC 330. Prepares students for positions in the field of production and inventory management through understanding of production scheduling, implementation and design.
437. **CAPACITY MANAGEMENT (3).** *Prerequisite:* TEC 330. Basic issues in capacity management, planning principles, techniques, including resource planning, rough cut capacity planning, loading, scheduling, work order release and input/output control.
440. **MANUFACTURING MANAGEMENT SYSTEMS (3).** *Prerequisites:* TEC 343 and TEC 344. The analysis, design, and implementation of world class manufacturing systems for the manufacture of superior, low cost parts. Topics include lean manufacturing, cellular manufacturing, manufacturing teams, integrated quality systems, and other current manufacturing management strategies.
441. **PROJECT MANAGEMENT (3).** *Prerequisites:* TEC 201 and TEC 343. Prepare students for managing projects in manufacturing and service industries through understanding of how to plan, manage, and deliver projects on time and within budget and how to effectively contribute in project teams.
451. **ADVANCED PROGRAMMABLE CONTROLLERS (3).** *Prerequisite:* TEC 252. Two hours lecture and two hours lab. Study of advanced control concepts using mod-ern programmable controllers with detailed study of selected controllers. Study of recent controller architectures with emphasis on data communications.

452. **MANAGING AND NETWORKING CIMs (3).** *Prerequisites: TEC 351 and 460.* Two hours lecture and two hours lab. CIM group productivity techniques to include basic CIM management concepts, basics of networking, and advanced customization.
460. **COMPUTER-AIDED MANUFACTURING (3).** *Prerequisite: TEC 351 and MS 118.* Three hours lecture and one hour lab. Utilization of computer technology in the automation of manufacturing systems.
472. **QUALITY ASSURANCE (3).** *Prerequisite: TEC 371.* A continuation of TEC 371 with emphasis on the management aspect of the quality function.
474. **QUALITY COSTS (3).** *Prerequisite: TEC 472.* A management-level analysis of the principles and strategies required to understand, implement, and use a quality cost system.
476. **QUALITY AUDITING (3).** *Prerequisite: TEC 472.* A thorough coverage of quality audit principles and standards including a wide range of planning tools.
484. **INDUSTRIAL ERGONOMICS (3).** *Prerequisite: MS 112.* Concepts and techniques of work measurements, human factors, and industrial safety and hygiene are merged to provide a comprehensive view of the workplace.
485. **INDUSTRIAL SAFETY MGT. (3).** *Prerequisites: TEC 380 and TEC 343.* Planning, implementation and evaluation of industrial safety programs.
486. **SAFETY PERFORMANCE MANAGEMENT (3).** *Prerequisites: PSY 201 and TEC 485.* Concepts and methodologies for evaluating performance of safety programs with emphasis on human behavior and the role of management in influencing safety performance.
487. **SYSTEMS SAFETY (3).** *Prerequisites: TEC 380 and MS 204 or TEC 371.* Principles and techniques of systems safety analysis to assure safe operation of systems and facilities throughout the life cycle from design to disposal.
488. **INDUSTRIAL HYGIENE (3).** *Prerequisite: TEC 380.* Recognition, evaluation, and control of toxic hazards in the work environment. Acute and chronic systemic effects of environmental toxins in the workplace.
489. **HAZARDOUS MATERIAL TECH. (3).** *Prerequisite: TEC 380.* Practical management and control of hazardous materials and wastes for the safety professional.
493. **SENIOR SEMINAR. (1).** *Prerequisites: EH 322 or equivalent, Senior Standing and con-sent of Instructor. Corequisite: TEC 494.* Coverage of terms, concepts, tools, and skills needed (industrial business, ethics, tech presentations) to succeed as a professional in technological and engineering environments. Pass/Fail only.
494. **INDUSTRIAL INTERNSHIP (2).** *Prerequisites: EH 322 or equivalent, Senior Standing and consent of Instructor. Corequisite: TEC 493.* Provides Technology majors with practical industrial experiences via an approved internship arrangement. Pass/Fail only. This class may be taken twice.
495. **SPECIAL TOPICS IN TECHNOLOGY (3).** *Prerequisites: Senior status and approval of department head.* Special topics of current interest to groups of students in the Technology program concerning content not presented in regular course offerings.
496. **ADV. PROBLEMS IN TECHNOLOGY (3).** *Prerequisites: Senior status and approval of department head and EH 322 or CBA 350.* Problems involving the application and integration of electronics, industrial safety, quality, industrial management, and/or computer integrated manufacturing technology. This may include an industrial practicum and/or internship.
498. **SME PREP (2).** *Prerequisite: Senior status.* An in-depth and through coverage of the terms, concepts, tools and skill needed to obtain the certification of Certified Manufacturing Technologist.

ENGINEERING (EG)**DESCRIPTION OF COURSES**

112. **ENGINEERING METHODS. (3).** *Prerequisite or Concurrently: MS 113 or permission 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.
121. **ENGINEERING GRAPHICS I (4).** *Prerequisite: Plane geometry or evidence of previous instruction in mechanical drawing.* 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. Three hours lecture and two hours laboratory each week.
201. **APPLIED MECHANICS – STATICS (3).** *Prerequisites: 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.
202. **APPLIED MECHANICS – DYNAMICS (3).** *Prerequisites: EG 201 and MS 126.* Absolute and relative motion; force, mass and acceleration; work and energy; impulse and momentum; mechanical vibrations.
226. **ELECTRICAL CIRCUITS ANALYSIS I (3).** *Prerequisites: 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.
251. **ENGINEERING SURVEYING (3).** *Prerequisite: 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.
255. **ENGINEERING COMPUTATION (3).** *Prerequisite: 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.
320. **ENGINEERING ECONOMY (3).** *Prerequisite: 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.
328. **ELECTRICAL CIRCUITS LABORATORY (3)** *Prerequisite: EG 226.* Experiments related to electrical circuits. Application and verification of the principles in electrical circuits. Three hours laboratory hours per week.
343. **STRENGTH OF MATERIALS (4).** *Prerequisites: 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.
361. **THERMODYNAMICS (3).** *Prerequisites: 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.
373. **FLUID MECHANICS (3)** *Prerequisites: 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.
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.

LURLEEN B. WALLACE COLLEGE OF NURSING AND HEALTH SCIENCES

WALLACE HALL

Accredited by:

Commission on Collegiate Nursing Education
One Dupont Circle, NW, Suite 530
Washington, DC 20036-1120
(202) 887-6791

Dean: Sarah V. Latham

Professors: Hembree, Latham

Associate Professor: Williams-Prickett

Assistant Professor: Curry, Elkins, Shelton, Waits, Wilson

Instructors: Bertalan, Bougere, Craven Crawford, Daffron,
DeWeese, Edge, Frank, Gullledge, Helms, Hollingsworth,
Holman, Morrow, Payne, Walker

The Lurleen B. Wallace College of Nursing and Health Sciences 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 College is accredited by the Commission on Collegiate Nursing Education. Accreditation is an indication of public approbation, attesting to the quality of the educational program and the continued commitment of the sponsoring institution to support the program.

Students begin the nursing program by taking academic, prerequisite courses. A separate application is filed to request admission into the clinical portion (upper division) of nursing. The College admits students into the upper division of nursing in the spring and fall of each year. The deadline for submission of application for admission to the upper division of nursing is June 1st for Fall admission and October 1st for Spring admission. Late applications are not accepted. Only students who have been admitted to Jacksonville State University and who meet eligibility requirements are eligible to apply for admission to upper division nursing. Those planning to apply for admission to upper division nursing should contact the Director of Student Services in the College of Nursing and Health Sciences well in advance of the application deadline in order to confirm eligibility.

Entry into the upper division of nursing requires completion of all prerequisite courses with a Prerequisite Grade Point Average (GPA) of 2.50 or above and a minimum grade of "C" in each prerequisite course. If a course is taken more than one time, all grades earned up to and including the first passing grade of "C" or above are used in the calculation of the Prerequisite GPA. 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 standard are not eligible to apply for entry to upper division. Each student's record will be reviewed 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 admission process may also include evaluation of written and verbal communication skills, and evaluation of academic performance measured by instruments such as ACT or critical thinking exams. Students who have English as a second language must present a minimum score of the TOEFL (Test of English as a Foreign Language) exam taken within two years. To be eligible to apply for admission to upper division, minimum scores are: 560 for TOEFL Written (paper based), 220 for TOEFL CBT (computer based), or 83 for iBT (internet based). 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 College of Nursing and Health Sciences 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, admission to the program is competitive; all students who qualify may not be admitted. Students must comply with all College of Nursing and Health Sciences 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, and 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 conviction of a felony; 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); 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.

DESCRIPTION OF COURSES

NURSING (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.
306. **Pharmacology (4).** *Prerequisite: Acceptance to upper division. Concurrent enrollment in NU 306, 309 and 311 required.* Designed to introduce the nursing student to the basic principles of drug therapy, drug calculations, and drug classifications. Lab required.
309. **Health Assessment (4).** *Prerequisite: Acceptance to upper division. Concurrent enrollment in NU 306, 309 and 311 required.* Focuses upon patient assessment and nursing diagnosis, utilizing the approaches of history-taking and physical examination. Lab required.
311. **Foundations of Nursing Practice (6).** *Prerequisite: Acceptance to upper division. Concurrent enrollment in NU 306, 309 and 311 required.* 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 required.

322. **Health Deviations and Clinical Interventions (3).** *Prerequisite: 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.
324. **Child and Family Health (5).** *Prerequisite: Completion of first semester upper division courses.* Course through which students learn to provide nursing care to the child and family across the primary, acute, and tertiary care settings. Emphasis on the promotion of normal growth and development, as well as, restorative and preventative interventions for optimal health. Lab required.
325. **Adult Health in Secondary and Community Settings (5).** *Prerequisite: Completion of first semester upper division courses.* Course through which students learn the responsibilities of professional nursing in providing nursing care to the adult patient with various medical-surgical problems. Lab required.
330. **Death: Nursing Care of the Individual and Family. (3).** *Prerequisite: Admission to upper division and successful completion of first semester upper division.* Designed to allow students to expand their knowledge and understanding for end-of-life nursing care. This course will provide a learning experience to expand the student's knowledge in providing comfort, utilization of special assessment techniques for complex patient symptoms, as well as assisting the family and patient to cope with suffering, grief, loss and bereavement. The course will build upon basic nursing principles and will expand student's working knowledge of legal and ethical principles, ability to analyze the complex issues surrounding dying and barriers to competent end-of-life care.
340. **Professional Practice and Care of the Aging Population (3).** *Prerequisite: Completion of first semester upper division courses.* Provides an overview of the aging process with an emphasis on the development theories, physiological changes and psychosocial concepts related to the older adult.
341. **Concepts of Human Sexuality (3).** Elective in nursing. Selected conceptions and misconceptions of human sexuality are analyzed in relationship to their implications for the professional nurse role.
343. **Concepts of Emergency/Disaster Nursing (3).** Elective in nursing. 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.
344. **Perspective in Women's Health (3).** 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.
345. **Communication of Ethical Issues (3).** *Prerequisite: 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.
347. **Lifestyle Strategies for Optimal Health (3).** Elective in nursing. Course designed to assist nursing students in assessing health risks of individuals/families and in intervening appropriately, thus promoting health and reducing risk for disease, disability, and premature death.
350. **Professional Roles (5).** *Prerequisite: Acceptance to STEP Program.* For RN students only. Course designed to assist the Registered Nurse in making the transition to the professional role (BSN).
352. **Health Assessment Across the Lifespan (3).** *Prerequisite: 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.

365. **Pharmacology for Practicing Nurses (4).** *Prerequisite: 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.
400. **Research and Outcomes Management (2).** *Prerequisite: Completion of first and second semesters upper division 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.
404. **Childbearing Families (5).** *Prerequisite: Completion of first and second semesters upper division 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 required.
405. **Community/Mental Health (5).** *Prerequisite: Completion of first and second semesters upper division courses.* Designed to enable students to understand the dynamics of mental health with emphasis on therapeutic care of psychiatric clients/families and therapeutic use of self. Lab required.
422. **Nursing Leadership and Health Policy (3).** Spring 2011 and thereafter this will be a (2) hour class. *Prerequisite: Completion of first and second semesters upper division courses* Provides an overview of concepts of professional leadership and management and their use in the practice setting. Emphasizes organizational structure, management, professional issues, advocacy, health care economics, and health policy.
424. **Adult Health in Secondary, Tertiary, and Community Settings (5).** *Prerequisite: Completion of first, second, and third semesters upper division 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 required.
426. **Community Health Across the Lifespan (5).** *Prerequisite: Completion of first, second, and third semesters upper division course.* Enables the student to use an epidemiological approach in coping with health and illness problems of families, aggregates of populations, and communities. Lab required.
428. **Practicum (6).** *Prerequisite: Completion of first, second, third, and fourth semesters upper division course.* Offers the students the opportunity to explore specific areas of interest in the nursing major prior to entering the world of work. Requires completion of coursework supportive of interest area. Lab required.
433. **Advanced Health Deviations and Clinical Interventions (3).** *Prerequisite: Completion of first and second semesters 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.
442. **Transcultural Nursing and Healthcare (3).** 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.
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.
446. **Independent Study (2).** *Prerequisite: Permission of Advisor.* Special project in nursing studies. Pass/fail grade only.
447. **Independent Study (1).** *Prerequisite: Permission of Advisor.* Special project in nursing studies. Pass/fail grade only.
448. **Directed Study (3).** 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.

- 455. **Transition to Professional Nursing (3).** Fall 2011 and there after this will be a (4) hour class. *Prerequisite: Completion of first, second, third, and fourth semesters upper division course.* Designed to be a capstone course of the baccalaureate nursing program. Emphasis is placed on application of nursing interventions addressing client needs: safe effective care environment (management of care and safety and infection control), health promotion and maintenance, psychosocial integrity, and physiological integrity (basic care and comfort, pharmacological and parenteral therapies, reduction of risk potential, physiological adaptation). Validation of nursing knowledge related to critical thinking, decision making, prioritizing, delegation, problem solving, leadership/management and evaluation is a key component of this course.
- 456. **Population-Based Health Care (6).** *Prerequisite: 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.

**Prerequisites 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 College of Nursing and Health Sciences Academic Advisor.

Area I (6 Semester Hours)

- EH 101 English Composition I (3)
- EH 102 English Composition II (3)

Area II (12 Semester Hours)*

- Literature (3)
- Literature (3)
- Fine Art (3)
- EH 141 Oral Communication (3)

*Minimum of 3 hours of literature required (Select from: EH 201, EH 202, EH 203, EH 204, EH 231, EH 232, EH 219, EH 220), a 6-hour sequence of either literature or history is required. Minimum 3 hours Fine Art required (Select from ART 202, DR 242, MU 233, or FL 101). If student chooses only 3 hours of literature, then history must be a 6 hour sequence and an additional 3 hours of approved Fine Art or Humanities will be necessary.

Area III (11 Semester Hours)

- BY 101/103 Intro. Biology I (4)
- CY 105/107 Gen. Chemistry I (4)
- MS 112 Precalculus Algebra (3)

Area IV (12 Semester Hours)**

- History (3)
- History (3)
- PSY 201 Principles of Psychology (3)
- PSY 222 Human Development (3)

** Minimum of 3 hours of history required (Select from HY 101, HY 102, HY 201, HY 202), a 6-hour sequence of either literature or history is required. If student chooses only 3 hours of history, then literature must be a 6 hour sequence and an additional 3 hours of approved social/behavioral science will be necessary.

Area V (21 Semester Hours)

- BY 263 Anatomy and Physiology I (4)
- BY 264 Anatomy and Physiology II (4)
- BY 283 Health Microbiology (4)
- MS 204 Basic Statistics (3)
- FCS 322 Normal Nutrition (3)
- NU 121 Nursing Ethics (3)

Upper Division Nursing Courses
For Students Beginning Upper Division Fall 2009 and Thereafter
(67 Semester Hours)

First Semester (14 Semester Hours)

NU 311 Foundations of Nursing Practice	(6)
NU 306 Pharmacology	(4)
NU 309 Health Assessment	(4)

Second Semester (13 Semester Hours)

NU 324 Child and Family Health	(5)
NU 325 Adult Health in Secondary and Community Settings	(5)
NU 322 Health Deviations and Clinical Interventions	(3)

May Semester (3 Semester Hours)

NU 340 Community-Based Care	(3)
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Third Semester (13 Semester Hours)

NU 404 Childbearing Families	(5)
NU 405 Community/Mental Health	(5)
NU 433 Advanced Health Deviations and Clinical Interventions	(3)

Fourth Semester (12 Semester Hours)

NU 424 Adult Health in Secondary, Tertiary & Community Settings	(5)
NU 426 Community Health Across the Lifespan	(5)
NU 422 Nursing Leadership and Health Policy	(2)

Fifth Semester (11 Semester Hours)

NU 428 Practicum	(6)
NU 455 Transition to Professional Nursing	(3)
NU 400 Research and Outcomes Management	(2)

TOTAL 128 Semester Hours

RN-BSN PROGRAM

The College of Nursing and Health Sciences offers an online educational mobility program for students holding an unencumbered license as a registered nurse. The Strategic Teaching for Enhanced Professional Preparation (STEP) Program offers upper division nursing courses through the use of Internet and clinical projects. Registered nurses should seek individual advisement to determine a specific educational plan. For more information, please contact Dr. Phyllis Waits, RN, MSN, EdD, Director of STEP Program, College of Nursing and Health Sciences, at (256) 782-5423, or (800) 231-5291, or e-mail pwaits@jsu.edu. STEP Program information is also available by contacting Ms. Tammy Johnson, BS, MPA, Director of Student Services for the STEP and MSN Programs at (256) 782-8489 or (800) 231-5291 or email at tjohnson@jsu.edu.

Application Deadlines

- **August 1st for Fall admission**
- **December 1st for Spring admission**
- **April 1st for Summer admission**

The following courses are required for registered nurses in the STEP program.

RN-BSN PLAN

REQUIRED NURSING COURSES

The required nursing courses can be completed on-line in three semesters (one calendar year). Using Internet, Blackboard, 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.

Semester I

NU 345 Communication of Ethical Issues(3)
 NU 352 Health Assessment Across the Lifespan.(3)
 NU 365 Pharmacology for Practicing Nurses(4)

STEP recognizes the past academic and experiential knowledge of the Registered Nurse. RN students are awarded 35 hours of *Advanced Placement Credit* after successful completion of the first semester courses.

Semester II

NU 350 Professional Roles and Issues(5)
 NU 400 Research/Outcomes Management(2)
 NU 422 Nursing Leadership and Health Policy(3)

Semester III

Nursing Elective.(3)
 Nursing Elective.(3)
 NU 456 Population Based Health Care.(6)

RN-BSN-MSN PROGRAM

The RN-BSN-MSN option allows students to begin their graduate studies while earning the Bachelor of Science in Nursing (BSN) degree. At the time the RN is completing the baccalaureate program of study (STEP), course work in the master’s program can also be completed. By enrolling in the RN-BSN-MSN Option, an RN can earn both a BSN and MSN with 6 fewer total hours than by completing the BSN and MSN programs separately. For more information, please contact Ms. Tammy Johnson, BS, MPA, Director of Student Services for the STEP and MSN Programs at (256) 782-8489 or (800) 231-5291 or email at tjohnson@jsu.edu.

DEPARTMENT OF MILITARY SCIENCE AND LEADERSHIP (MSC)

MAIN FLOOR - ROWE HALL

WWW.ROTC.JSU.EDU

Professor of Military Science (PMS)

Assistant Professors: Hagood, Mize, Pass, Reynolds, Shackelford

Instructors: Dove, Jackson

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. 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 are challenged to apply accepted leadership theory to practical situations. A theoretic basis of knowledge is developed through attendance in Military Science classes and courses offered in colleges throughout the University. The program is only available to full-time students.

ENROLLMENT

There are several program options: 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 ROTC 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 four-year program. Students in this program must have completed the Basic Course, 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 Leader Training Course 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 Leader Training Course: Overall GPA of 2.0 or higher on a 4-point scale, have junior standing and meet medical and physical fitness standards. Approval for attendance is required from the Professor of Military Science.

BASIC COURSE REQUIREMENTS

The Basic Course consists of MSC 101, 103, 102, 104, 201, 203, 202, and 204. 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.

ADVANCED COURSE REQUIREMENTS

Entry into the ROTC Advanced Course for commissioning is open to students who have earned a GPA of 2.0 or higher, who have attained junior status or are graduate students, who meet established Army medical and physical fitness standards, who have completed the Basic Course requirements as noted above or received placement credit for such, who demonstrate the requisite leadership potential, and who have departmental approval. Students pursuing a commission must successfully complete the following ROTC Advanced Course classes: MSC 301, 307, 302, 308, 303, 305, 401, 407, 402, and 408. Additionally, HY 304 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 Leader Development & Assessment Course (LDAC). This course is approximately five weeks in duration and students earn 3 credit hours under MSC 305.

ROTC Nursing students have an additional opportunity to participate in a three week Nurse Summer Training Program and earn 3 credit hours under NU 444.

ADDITIONAL REQUIREMENTS

All contracted students are required to maintain eligibility requirements. These requirements include an appropriate grade point average, medical qualification, moral behavior, and compliance with physical fitness standards. 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 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 December 1s of the student's senior year in high school. Other scholarship deadlines vary from year to year. Currently, scholarships cover the cost of tuition, 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. 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.

DESCRIPTION OF COURSES

- 101, 102. Challenges in Leadership (1) (1).** *Prerequisite to all other military science courses unless exemption is approved by the PMS.* Courses provide an introduction to leadership, character development, military operations and skills, and the Army's continually changing role in the world. Course goals are accomplished through lecture, field trips, guest speakers and films. MSC 103, 104 labs are required in conjunction with these classes.
- 103, 104. Challenges in Leadership Labs (2) (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.
- 112. Basic Marksmanship (2).** Fundamentals, principles, and techniques of marksmanship including equipment, maintenance, shooting position, safety, and range operation. Students fire marksmanship rifles.
- 113.** Survival (3).** 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 rope bridges, orienteering, and employment of game trapping methods.
- 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.
- 201. Leadership Development (1).** Students learn proven leadership techniques and develop their own working leadership philosophy and style. Prepares students for future leadership roles. MSC 203 is required in conjunction with this class.
- 202. Basic Military Skills (1).** Emphasis is on refining leader skills, oral communication, and military skills including map reading, orienteering, and small unit tactics. Prepares students for the advanced military science course. MSC 204 is required in conjunction with this class.
- 203, 204. Basic Military Skills Labs (2) (2).** *Required in conjunction with MSC 201 and MSC 202 respectively.* 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.
- 205. Leaders Training Course (3).** *Prerequisites: Pass a standard medical physical; take the Army Physical Fitness Test, permission of the Professor of Military Science.* 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.
- 300. Leaders Training Course Preparation (1).** Prepares students for attendance at the Army ROTC Leaders Training Course. Emphasis is on leadership training, basic military skills and physical fitness.

301. **Advanced Military Science (3).** *Prerequisites: 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 Professor of Military Science.* Builds on previous leadership courses by introducing advanced theories and applying previous learning during practical class-room 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. MSC 307 is required in conjunction with this course.
302. **Advanced Military Science (3).** *Prerequisite: MSC 301.* 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. MSC 308 is required in conjunction with this class.
303. **Advanced Military Science (3).** *May-term class emphasizes and refines all MSC 301 and 302 skills.* Students enhance land navigation/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.
304. **Military History (3).** *Prerequisites: Enrolled Military Science Cadet and Approval of the Professor of Military Science.* The evolution of warfare and the military concentration primarily on leadership and the American military experience. Required for commissioning; see HY 304 for a course description.
305. **Advanced Military Science (3).** *Prerequisites: MSC 301, 302, 303 and/or the permission of the Professor of Military Science.* 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.
- 307, 308. **Advanced Military Science Leadership Lab (2) (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 & Assessment Course (LDAC). *MSC 301, 302 required.*
401. **Advanced Theories in Leadership (3).** 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. MSC 407 is required in conjunction with this class. *Approval of the Professor of Military Science is required.*
402. **Advanced Theories in Leadership (3).** Course provides in-depth analysis of the role of law in the conduct of Army operations, personnel management, logistics management, and applied doctrine. MSC 408 is required in conjunction with this class. *Approval of the Professor of Military Science is required.*
403. **Seminar on Leadership (3).** 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. *Approval of the Professor of Military Science is required.*

407, 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.*

** indicates a course which fully or partially fulfills wellness requirements.

Uniforms and Equipment

For all military specific courses, uniforms, most texts, and certain equipment are furnished by the United States Government at no expense to the student. Uniforms and equipment issued to 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.

MINOR: MILITARY SCIENCE

A minor in Military Science is offered by completing 29 hours of course work as follows:

MSC 301, 307, 302, 308, 401, 407, 402, 408.	20 hours
HY 304 or MSC 304	3 hours
MGT 305, MSC 303, MSC 305, EH 322, EH 344	6 hours
(Any combination of 6 hrs.)	
Total Hours Required	29 hours

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Cooperative Education is a unique educational plan that brings together the University, the business and professional community, and students in collaborative effort to blend theory with the practical application of the work place. Through the Co-Op program students combine periods of academic study with periods of paid, off-campus work. Co-Op results in a three-way partnership that benefits the student, the employer, and Jacksonville State University. Academic credit is not awarded for participation in the Cooperative Education Program. 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 apply at www.cps.jsu.edu and meet the following qualifications:

1. The student must satisfactorily complete a minimum of 24 semester hours prior to entering the program.
2. The student must meet and maintain a 2.5 (4.0 scale) Grade Point Average. Employers may establish higher GPA requirements.
3. The student must have the recommendation of two professors and a completed file with the Co-Op office.

Upon approval of the Cooperative Education Coordinator and the employer, the student will register for the following alternating or parallel Co-Op education courses.

CEA-001 Through 012. Alternating Co-Op Education (0 hrs.) Cooperative Education experience of full-time employment (approximately 40 hrs./week) is equivalent to full-time student status, with the exception of financial aid. (Contact Financial Aid for additional information).

CEP-001 Through 012. Parallel Co-Op Education (0 hrs.) 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.

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ERIC LEE	Technology-in-Motion Specialist
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SANDRA FLUMMER	Math Specialist K-8
CAROL McGINNIS	Science Specialist K-5
POLLY CROW	Science Specialist K-5
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CATHERINE GOODGAME	<i>Disability Specialist</i>
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TO BE NAMED	<i>Lead Interpreter</i>
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CARL PREUNINGER	<i>Police Sergeant</i>
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ASHLEY ROPER	<i>Police Officer</i>
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VICTORIA GLAZE	<i>Mail Clerk/Courier</i>
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CHARLES WOOSTER	<i>Mail Clerk/Courier</i>

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KEY TO DEPARTMENT/COURSE ABBREVIATIONS

ACC	ACCOUNTING
AN	ANTHROPOLOGY
ART	ART
BY	BIOLOGY
CBA	GENERAL BUSINESS
CIS	COMPUTER INFORMATION SYSTEMS
CJ	CRIMINAL JUSTICE
CLE	COLLABORATIVE TEACHER K-6
CLS	COLLABORATIVE TEACHER 6-12
CS	COMPUTER SCIENCE
COM	COMMUNICATION
CTE	CAREER/ TECHNICAL EDUCATION
CY	CHEMISTRY
DR	DRAMA
EC	ECONOMICS
ECE	EARLY CHILDHOOD EDUCATION
EED	ELEMENTARY EDUCATION
ED	SECONDARY EDUCATION
EG	ENGINEERING
EH	ENGLISH
EIM	INSTRUCTIONAL MEDIA
EM	EMERGENCY MANAGEMENT
EMS	MIDDLE SCHOOL ENDORSEMENT
EPY	EDUCATIONAL PSYCH
ESC	ENVIRONMENTAL SCIENCE
ESE	SECONDARY EDUCATION
ESW	EXERCISE SCIENCE & WELLNESS
ET	ELECTRONIC TECHNOLOGY
FCS	FAMILY AND CONSUMER SCIENCE
FH	FRENCH
FIN	FINANCE
FL	FOREIGN LANGUAGE
GL	GEOLOGY
GY	GEOGRAPHY
HPE	HEALTH AND PHYSICAL EDUCATION
HY	HISTORY
IME	INFORMATION MANAGEMENT / E-COMMERCE
ISU	INSTRUCTIONAL SERVICE UNIT
LS	CENTER FOR INDIVIDUALIZED INSTRUCTION
MBY	MARINE BIOLOGY
MED	MUSIC EDUCATION
MGT	MANAGEMENT
MKT	MARKETING
MS	MATHEMATICS
MSC	MILITARY SCIENCE
MU	MUSIC
NU	NURSING
OSH	OCCUPATIONAL SAFETY & HEALTH TECHNOLOGY
PHS	PHYSICS
PST	PUBLIC SAFETY TECHNOLOGY
PSC	POLITICAL SCIENCE
PSY	PSYCHOLOGY

REC.....	RECREATION
SH	SPANISH
SPE.....	SPECIAL EDUCATION
ST	BUSINESS STATISTICS
SW	SOCIAL WORK
SY.....	SOCIOLOGY
TEC.....	TECHNOLOGY

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