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JACKSONVILLE UNIVERSITY



1999-2000 Catalogue
Jacksonville, Alabama

Jacksonville State University

Jacksonville, Alabama

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

CATALOGUE 1999-2000

One Hundred and Seventeenth Year

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VOLUME LXXXVV

JUNE 1999

NUMBER 1

UNIVERSITY CALENDAR

1999-2000

FALL SEMESTER 1999

AUG 17	Tues	Tuition due for pre-registered students
AUG 29	Sun	Residence Halls open at noon.
AUG 30	Mon	Drop-Add day.
AUG 31	Tues	Registration and orientation for first time freshman and transfer students. Returning students 64 or more semester hours.
SEPT 1	Wed	Registration for new students and returning students not pre-registered.
SEPT 2	Thurs	Classes commence 7:30 a.m. Late registration fee charged.
SEPT 6	Mon	Labor Day Holiday
SEPT 9	Thurs	Last day for registration and addition of courses to schedule.
SEPT 16	Thurs	Last day to withdraw and receive 80% tuition refund.
SEPT 25	Sat	Parents/Visitation Day
SEPT 30	Thurs	Last day to withdraw and receive 50% tuition refund.
OCT 20	Wed	Mid-term grades due.
OCT 26	Tues	Last day to drop courses or withdraw without academic penalty.
NOV 10-19	Wed-Fri	Pre-Registration
NOV 24	Wed	Residence Halls close at 6:00 p.m.
NOV 25-26	Thu-Fri	Thanksgiving Holiday
NOV 28	Sun	Residence Halls open at Noon.
NOV 29	Mon	Last day to withdraw or drop passing from a course.
DEC 7	Tues	Academic Preparation Day
DEC 8-14	Wed-Tues	Semester Examinations.
DEC 15	Wed	Filing of semester grades for graduating students by 1:15 in Office of Admissions and Records.
DEC 16	Thurs	Filing of all semester grades by 10:00 A.M. in Office of Admissions and Records.
DEC 17	Fri	Commencement 6:30 p.m. Residence Halls close after Commencement.

AUGUST

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SEPTEMBER

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SPRING SEMESTER 2000

DEC 7, 1999	Tues	Total Balance due (100% of tuition, fees and housing must be paid in order to retain registration for those who pre-registered).
JAN 2	Sun	Residence Halls open for occupancy at Noon.
JAN 3	Mon	Drop-Add Day
JAN 4	Tues	Registration and orientation for first time freshman and transfer students.
JAN 5	Wed	Registration for new students and returning students not pre-registered.
JAN 6	Thurs	Classes commence 7:30 a.m. Late registration fee charged.
JAN 12	Wed	Last day for registration and addition of courses to schedule.
JAN 17	Mon	Dr. Martin Luther King, Jr. Day — Classes will not meet.
JAN 19	Wed	Last day to withdraw and receive 80% tuition refund.
FEB 2	Wed	Last day to withdraw and receive 50% tuition refund.
FEB 22	Tues	Mid-term grades due.
FEB 26	Sat	Visitation Day
MAR 2	Thurs	Last day to drop courses without academic penalty.
MAR 8-17	Wed-Fri	Pre-Registration
MAR 18	Sat	Visitation Day
MAR 24	Fri	Residence Halls close at 6:00 p.m.
MAR 27-31	Mon-Fri	Spring Holidays
APR 1	Sat	Classes resume.
APR 2	Sun	Residence Halls open at Noon.
APR 10	Mon	Last day to withdraw or drop passing.
APR 18	Tues	Academic Preparation Day
APR 19-25	Wed-Tues	Semester Examinations
APR 26	Wed	Filing of semester grades for graduating students by 1:15 p.m. in Office of Admissions and Records.
APR 27	Thurs	Filing of semester grades by 10:00 A.M. in Office of Admissions and Records.
APR 29	Sat	Commencement 10:00 a.m. Residence Halls close after Commencement.
MAY TERM 2000		
APR 30	Sun	Residence Halls open for occupancy at Noon.
MAY 2	Tues	Registration for those students not pre-registered.

JANUARY

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MAY TERM 2000 (Continued)

MAY 3	Wed	Classes commence at 7:30 a.m. Late registration fee charged.
MAY 4	Thurs	Last day for registration and addition of courses to schedule.
MAY 9	Tues	Last day to withdraw and receive 80% tuition refund.
MAY 16	Tues	Last day to withdraw and receive 50% tuition refund.
MAY 16	Tues	Last day to drop courses without academic penalty.
MAY 23	Tues	Last day to withdraw or drop passing.
MAY 29	Mon	Memorial Day Holiday
MAY 31	Wed	Final Examinations
JUN 1	Sat	Residence Halls close at Noon.

MAY

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SUMMER SEMESTER I 2000

JUN 7	Wed	Residence Halls open for occupancy at 10:00 a.m.
JUN 8-9	Thur-Fri	Orientation for first time freshman and transfer students. Registration for transfer students and returning students not pre-registered.
JUN 12	Mon	Classes commence at 7:30 a.m. Late registration fee charged.
JUN 13	Tues	Last day for registration and addition of courses to schedule.
JUN 16	Fri	Last day to withdraw and receive 80% tuition refund.
JUN 23	Fri	Last day to withdraw and receive 50% tuition refund.
JUN 23	Fri	Last day to drop courses without academic penalty.
JUL 3	Mon	Last day to withdraw or drop passing.
JUL 4	Tues	Independence Day Holiday
JUL 10	Mon	Final Examination

JUNE

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SUMMER SEMESTER II 2000

JUL 11	Tues	Registration for those students not pre-registered.
JUL 12	Wed	Classes commence at 7:30 a.m. Late registration fee charged.
JUL 13	Thurs	Last day for registration and addition of courses to schedule.
JUL 18	Tues	Last day to withdraw and receive 80% tuition refund.
JUL 25	Tues	Last day to withdraw and receive 50% tuition refund.
JUL 27	Thurs	Last day to drop courses without academic penalty.
AUG 3	Thurs	Last day to withdraw or drop passing.
AUG 8	Tues	Final Examinations
AUG 11	Fri	Commencement, 7:30 p.m. Residence Halls close after Commencement.

AUGUST

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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 Office of Admissions and Records and /or the offices of the College Dean(s).

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JACKSONVILLE, ALABAMA 36265

BOARD OF TRUSTEES

THE HONORABLE DON SIEGELMAN

Governor of Alabama, President

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TRYONE C. MEANS	Montgomery	Second
BOBBY N. KENNAMER	Anniston	Third
CHARLES T. MATHEWS	Jacksonville	Third
JIM FOLSOM	Cullman	Fourth
JAMES D. THORNTON	Huntsville	Fifth
JIM BENNETT	Homewood	Sixth
GLADYS CARLISLE	Tuscaloosa	Seventh

ED RICHARDSON, State Superintendent of Education, Ex officio

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 Dugette (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 318-acre campus with 58 buildings. In addition, the University operates off-campus centers: JSU-Gadsden, Anniston, and Oxford. Through its programs of teaching, research, and service, Jacksonville State University has served the region and state for more than one hundred years.

MISSION STATEMENT AND PURPOSES

Jacksonville State University, located in Jacksonville, Alabama, is a state-supported, regional, coeducational institution. Since its founding in 1883 as an institution to prepare teachers, the University's primary mission has been to provide quality education to the citizens of Alabama by integrating traditional academic pursuits with career-oriented programs at reasonable costs. Drawing students primarily from Northeast Alabama, the University is committed to providing a wide variety of undergraduate programs to a diverse population that includes many first-generation college students. In addition to making higher education accessible to diverse segments of our society, the University provides the supporting services that students need to achieve a quality education experience.

The University offers a breadth of undergraduate programs in the traditional arts and sciences and in professional fields. Graduate programs that emphasize applied and professional studies or preparation for entry into doctoral study are offered at the Master's and Educational Specialist's levels.

To meet its educational mission, the University seeks to employ, retain, and develop faculty who are scholars distinguished by their commitment to, and skills in, teaching. The University is committed to providing appropriate instructional facilities and resources to assure that students have experience with the most recent technology. Continual evaluation of programs assures that the curriculum is timely and relevant and that the programs effectively meet their educational goals.

The University provides its knowledge, skills, and resources to the community and industry of Northeast Alabama. The University also supports research and scholarly activities that complement its educational and public service purposes.

EDUCATIONAL PURPOSE

The University's educational mission is to provide students with the knowledge, skills, values, and interests necessary for socially productive and personally satisfying lives. To accomplish this mission requires that the University teach students how to develop and to evaluate the goals to which their intellectual skills are applied and how to respond effectively to the changing needs of a complex society and world. These abilities require a range of knowledge that extends beyond the student's chosen professional field. To achieve these goals, the University provides academic programs and a campus environment designed to provide its graduates with the following attributes:

(1) Communication Skills—including the ability to comprehend through reading and listening; to speak and write clearly and correctly; and to be effective in the organization and presentation of ideas in writing and discussion. (2) Information Skills—including the ability to use effectively library and information resources such as computerized search and retrieval technologies. (3) Quantitative Skills—including the ability to understand the basic concepts of mathematics; interpret statistical data; recognize the capabilities and limitations of quantification; and use computers effectively. (4) Critical Thinking and Problem-Solving Skills—including the ability and disposition to think logically on the basis of useful assumptions; to distinguish the subjective from the positive and factual; to weigh evidence and evaluate facts and ideas critically; to think independently; and to analyze and synthesize. (5) Learning—that acquaints students with the cultural heritage of the West and an awareness of the contemporary world of philosophy, natural science, art, literature, social change, and social issues. (6) Intellectual Tolerance—as demonstrated by openness to new ideas, willingness to question orthodoxy, appreciation of intellectual diversity, and the ability to deal with complexity and ambiguity. (7) Aesthetic Sensibility—represented by the ability to understand and to enjoy literature, fine arts, and cultural activities as expressions of personal and social experience. (8) Psychological and Physical Well-Being—which requires the ability to understand and to apply the basic principles for cultivating physical and mental health, acceptance of self and others, and the ability to accept responsibility for one's actions. (9) Life-Long Learning—as demonstrated by sustained intellectual curiosity and continued participation in learning activities. (10) Interpersonal and Organizational Skills—including the ability to be an effective member of groups, sensitivity to group norms and customs, skills in conflict resolution, and appreciation of cultural diversity.

(11) Social Responsibility—represented by active participation as an informed and responsible citizen in solving the problems of one's community. (12) Economic Productivity—which required the skills and the in-depth knowledge necessary to prepare for the first job, for entry into a professional field, or for successful pursuit of advanced academic study.

PUBLIC SERVICE PURPOSE

The University serves the citizens of the state and region by extending its knowledge, skills, resources and values to the community. Supported public service endeavors are those which complement the University's academic programs and which do the following:

(1) Provide the opportunities for life-long learning. (2) Enhance the aesthetic, intellectual, and cultural life of the region. (3) Promote economic vitality. (4) Improve the quality of health and social services in the region. (5) Provide leadership and support for development of excellence in the school systems of the region. (6) Provide leadership in public life in the region.

RESEARCH PURPOSE

The University supports research and scholarly activities which do the following:

(1) Provide students an opportunity to develop appropriate skills in observation, experimentation, and analysis necessary for successful careers in their major discipline. (2) Improve teaching effectiveness and the effectiveness of the University in fulfilling its mission. (3) Foster the critical thinking skills and knowledge of the faculty, who serve as intellectual role models and who represent the intellectual capital of the University.



GENERAL INFORMATION

INTRODUCTION

Jacksonville State University is a multipurpose institution, located in northeast Alabama, to serve primarily the citizens of that area. It offers the B.A., B.F.A., B.S., B.S. in Education, B.S.W., B.S.N. degrees and, in addition, basic engineering and pre-professional training for medicine, law, veterinary medicine, pharmacy and agriculture.

In addition, to its undergraduate program, the University offers graduate study in the M.A., M.S., M.S. in Education, M.B.A., M.P.A., M.S.N., and Ed.S. degrees. Detailed information concerning these degrees may be found in the graduate *catalogue* published separately.

A summer school is also provided which offers the same quota of courses as does the regular session. During this session, 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 first two years, basic course, deal with subjects pertaining to the Army in general, while the advanced course is designed to develop junior officers for the Army. The program is open to male and female students. ROTC courses may be taken for academic credit without incurring any military obligation.

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. The buildings are located so as to provide maximum accessibility from all parts of the campus.

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 with educational, personal, or vocational planning, the staff of Counseling and Career Services are available for individual consultation.

Internet Users are invited to visit the Jacksonville State University World Wide Web Home Page at <http://www.jsu.edu>. Many important and informational items are available via the JSU Home Page as well as an opportunity to seek additional information about Jacksonville State University.



ADMISSION POLICIES

Students are admitted at the beginning of each semester. Applications for admission along with necessary non-refundable application fee of \$20.00 (check or money order made payable to Jacksonville State University) (in U.S. funds) should be submitted to the Office of Admissions and Records. Applications may be made a year in advance of the expected date of enrollment. A minimum of three months before the beginning of the term is strongly recommended. It is the student's responsibility to see that his/her high school or college credits are submitted. Decisions regarding admissibility to the University will be made as soon as all necessary credentials are received in the Office of Admissions and Records. Applications will be valid for a period of five years.

Students under academic probation at other accredited institutions may be admitted to this University, provided they are eligible to return to the institution at which they are on probation.

Students under academic suspension at the last institution attended may not be admitted to this institution. They may, however, petition the Admissions Committee for appropriate consideration of their individual situation.

Students under disciplinary probation or suspension at other institutions are not eligible to enroll at this institution.

In addition to the specific requirements set forth below, the Admissions Committee acting under the requirements and policies of its governing board, shall consider applicants for admission to the University who are not otherwise admissible to the University. 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.

NONDISCRIMINATION

Jacksonville State University has filed with the Federal Government an Assurance of Compliance with all requirements imposed by or pursuant to Title VI of the Civil Rights Act of 1964 and the Regulation issued thereunder, to the end that no person in the United States shall, on the ground of age, religion, race, color, sex, handicap, veteran's status, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity sponsored by this institution. Under this Assurance, this institution is committed not to discriminate against any person on the ground of age, religion, race, color, sex, 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 individuals, to be subjected to discrimination prohibited by Title VI or the Act and Regulation issued thereunder may, by himself/herself or a representative, file 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 admissions may be obtained by contacting the Office of Admissions and Records, Jacksonville State University, 700 Pelham Rd., North, Jacksonville, Alabama, 36265-1602.

All prospective students are required to submit the following: (1) a completed application form, (2) a non-refundable application fee of \$20.00 (a check or money order made payable to Jacksonville State University), (3) a completed health information form, (4) appropriate academic credentials (See following section on Application Procedures), and (5) complete new student survey.

Internet Users are invited to visit the Jacksonville State University World Wide Web Home Page by entering <http://www.jsu.edu>. Many important and informational items are available via the JSU Home Page. Students may print an application for admission, complete and mail via surface mail, or may apply for admission electronically by following the information outlined from the JSU Home Page.

Students may apply for admission one year in advance of their expected date of enrollment. Students are urged to submit their application at least three months prior to the beginning of the term in which they plan to enter JSU. Applications will be valid for a period of five years. All applicants will be notified concerning admission to the University as soon as all their records have been processed.

All new students are required to attend an orientation/advisement session prior to the semester they wish to attend.

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 complete successfully 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-skill deficiencies are eliminated. Students with severe academic-skill deficiencies (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-skill deficiencies within twelve months of admission or, if not enrolled on a continuing basis, the first twenty-four hours of attempted academic credit.

A. A high school transcript showing the date of graduation and college prep or standard diploma earned.

1. The transcript must show a minimum of fifteen acceptable units from a four-year high school or a minimum of eleven acceptable units from a three-year secondary school. Of the units offered for admission:
 - a. at least three units must be in English.
 - b. no more than four of the fifteen from the four-year high school or three of the eleven from the three-year secondary school may be in vocational subjects.
2. Students should not request a transcript from their high school until their grades for the first semester of their senior year have been recorded. Should a principal send a transcript for that phase of a student's work then only a supplemental transcript showing the final semester's grades, units earned, and date of graduation is needed to complete this portion of the admission requirements.
3. 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.
4. 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 report of their test results.

B. ACT or SAT scores.

1. Applicants are required to produce official scores from either the ACT or SAT. 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. High school students planning to apply for admission to JSU should contact their high school principal or counselor at the beginning of their senior year for information and test applications. The ACT program is usually given at

regional testing centers in October, December, February, April and June, or at other announced times. Applicants living in states or areas where ACT information is not available should contact the Office of Counseling and Career Services, Jacksonville State University, for more information.

3. The freshmen who have applied for admission but have not attended high school or a secondary education institution in eight (8) or more years 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 are encouraged to discuss their academic background with the appropriate department head prior to registering for these courses in order to determine the best course level placement.

- C. ExSEL: Academically underprepared 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 eight 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 who successfully remediate their academic-skill deficiencies by performing at the same level as conditionally admitted students, will be admitted during the fall term as conditionally admitted students.

Freshman Admissions Categories	Qualifications	Requirements
Unconditional Admission	Minimal, or no, academic skill deficiencies. ACT Composite 19 or above original SAT 800 or above *Recentered SAT 900 or above	Should successfully remediate skill deficiencies within one year.
Conditional Admission	Moderate academic skill deficiencies. ACT Composite 16-18 SAT original 650-790 *Recentered SAT 750-890	Should be continuously enrolled in prescribed developmental skills courses; participate in prescribed counseling and advisement activities; and remediate all academic skill deficiencies (including L.S. 104) within one year.
ExSEL	Severe academic skill deficiencies. ACT Composite 14-15 SAT original 550-640 *Recentered SAT 650-740	Only admitted to summer developmental studies program (ExSEL). Upon successful completion, the student may be enrolled as Conditionally Admitted.

*SAT scores reported on a Recentered scale in April, 1995 and thereafter.

II-A. Transfer Student Admissions

Transfer students are required to present one official transcript from each college/university previously attended. 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 must enroll in LS 095 or EH 098, or wait to enroll in English until they have taken the ACT or the SAT.

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 Jacksonville provided Jacksonville has an equivalent course at the appropriate level. Courses not having fair equivalents at Jacksonville may or may not be accepted as an elective. The transfer decision will be made on a course-by-course basis by the Office of Admissions and Records during the credit evaluation process.

Students may transfer from a junior college at any time. Although an unlimited number of hours is acceptable from a junior college, each student 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 Junior College.

Students under academic probation at other accredited colleges/universities are admissible to JSU on probation.

Students under academic suspension at the last college/university attended may not be admitted to JSU. They may, however, petition the Admissions Committee for consideration of their individual situation.

Course work presented for transfer from institutions not accredited by the Regional Association may be considered for transfer. For additional information, students may contact the Office of Admissions and Records.

Students who transfer to JSU will have the course grade accepted by JSU and recorded on the JSU transcript.

All grades attempted from other institutions will be used in computing grade-point-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 and EH 102. 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.

AGSC/STARS

Alabama Articulation and General Studies Committee/Statewide Transfer and Articulation Reporting System (AGSC/STARS) is part of statewide legislation designed to help a student transfer from one college to another. This information is available on the internet at <http://stars.troy.edu>. This site furnishes the students with up-to-date information on courses that have been approved through AGSC.

III. International Student Admissions

- A. International students who have never attended college in the United States must present a score of 500 or above on the paper-based or 173 on the computer-based TOEFL (Test of English as a Foreign Language) taken within the last two years. In lieu of the TOEFL, an international student may present a composite score of 19 on the Enhanced ACT or a combined verbal and math score of 800 on the Original SAT or 900 on the Recentered SAT. (Recentered SAT began with the April 1995 test date.)

In addition to the test score requirement, an international student must present proof of secondary school graduation.

- B. International students who have attended a regionally accredited college/university in the United States must present official transcripts from each college/university attended. Test score requirements may be waived if the student has at least 24 acceptable semester hours, including 6 semester hours of Freshman

English Composition. Students who do not meet the 24 hour requirement must meet the requirements listed above in (A).

The application for admission will not be accepted without the documents listed above and the \$20 (U.S.) application fee.

In addition to the admission requirements, international students are required to provide documentary evidence showing adequate financial resources are available to attend the university. They also must provide documentation of health insurance.

International students wishing to have credits earned at a foreign institution of higher learning must first enroll as a student, meeting all entrance requirements. They may then petition to have these credits evaluated.

All applicants will be notified concerning admission as soon as all of their records have been processed.

IV. Transient/Special Student Admissions

A student who is in good standing from an accredited college or university may be admitted to Jacksonville as a special or transient student. A special/transient student must apply for admission and submit the non-refundable \$20.00 application fee. The student must present evidence of his/her academic standing (official transcript or letter of good standing) in support of the application. International transient students must meet requirements for regular international student admission.

Special/transient 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 Jacksonville State University 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 \$20.00.
5. Dual enrollment may be granted by the school system for high school units. 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. The accelerated high school student may enroll in no more than six (6) semester hours of college courses during fall or spring semesters. During each summer semester 7 hours is the maximum load. Accelerated students must maintain a "C" average or better in all attempted college 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 ADMISSION REQUIREMENTS TO JACKSONVILLE STATE UNIVERSITY. OFFICIAL TRANSCRIPTS ARE NOT AVAILABLE TO STUDENTS UNTIL ADMISSION REQUIREMENTS ARE SATISFIED.

VI. Early Admissions

In order 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 ENHANCED ACT composite score of 26. In order 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.

VII. Non-Traditional Entrance

Non-Traditional students may enter and earn up to 15 semester hours of credit without fulfilling regular university admission requirements provided (1) the student has not attended high school or a secondary education institution in eight (8) or more years from the time of initial enrollment; (2) those who have attended other colleges or universities must be in good academic standing; and (3) the student must be a high school graduate [College Prep or Standard Diploma] or have successfully completed the GED.

Regular admissions requirements must be fulfilled before continuation of enrollment beyond 15 semester hours. Until such time as regular admissions requirements are satisfied, credit earned in the non-traditional category will not apply toward degree requirements.

ORIENTATION AND ADVISEMENT

Newly admitted students are encouraged to 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 Orientation and Advisement Services.

SUGGESTIONS FOR PROSPECTIVE STUDENTS

1. Students wishing to matriculate should send in advance of their arrival an official transcript of their credits in order to facilitate registration and classification.
2. STUDENTS WHO INTEND TO LIVE IN A RESIDENCE HALL SHOULD COMPLETE THE HOUSING APPLICATION AND RETURN IT WITH THE \$100.00 DEPOSIT TO THE DEPARTMENT OF UNIVERSITY HOUSING. HOUSING APPLICATIONS WILL BE PROCESSED UPON ACCEPTANCE OF THE STUDENT TO THE UNIVERSITY.
3. Enough money to cover books should be brought for immediate use. Tuition, fees, and room must be paid by the due date published in the JSU class schedule. Meal plans are available from Hopper Cafeteria, food service on campus.
4. Each enrolled student is encouraged to obtain a campus mail box (provided free of charge), in the University Mail Center. Correspondence from the University, including fall and spring schedule packets, mid-term grades, and reminder bills/statements, are sent to each student's mail box. In addition, financial aid checks are placed in the mail boxes. It is the responsibility of all students, both on campus and commuters, to check their assigned mail boxes regularly for important mail. During terms of non-enrollment, correspondence is sent to mailing address the student has on file in the Office of Admissions and Records. Mail addressed to a student in care of Jacksonville State University should specify the campus mail box number.
5. Prospective students are encouraged to study carefully this entire catalogue. If they fail to find all the information desired or if clarification of the statements found herein is needed the student should write the Office of Admissions and Records for additional information.

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, JSU-Gadsden 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. Details about JSU-Gadsden registration and course offerings may be obtained by calling (256) 546-0481 or by writing to Jacksonville State University in Gadsden, George Wallace Drive, Gadsden, AL 35999.

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

Students who pre-register during regular pre-registration will be sent a statement that must be paid by the due date to confirm their registration. Students may also access their account balance through the Internet Access System or through the IN-TOUCH system. Accounts may be paid by mail, at the Bursar's Office, or in the night depository at the JSU Information Center. VISA and MasterCard credit cards are accepted in person or by telephone.

Students who do not pre-register will receive a statement at the time of on-campus registration and must pay tuition, fees, and residence hall charges when due. Students who register by other methods will not receive a statement.

Long distance telephone charges, traffic fines, library fines, etc. are due upon receipt.

Students are expected to meet all financial obligations by the appropriate due date. The University reserves the right to deny admission and withhold transcripts of any student who fails to meet promptly his/her financial obligations to the University. It is each student's responsibility to be informed of all registration and fee payment dates, deadlines, and other requirements by referring to the official calendar of events in the catalogue, announcements printed in the class schedule booklets, or other information disseminated from time to time. When necessary, students should inform their parents of the deadline dates, and the necessity for meeting them.

Any collection costs or attorney fees necessary for the collection of any debt to the University will be charged to and paid by the debtor. Questions about charges or refunds should be addressed to the Bursar's Office.

CHECKS

Payment on accounts by check is encouraged. In the event a student presents a check which is not honored by the drawee's bank, there shall be a charge of \$25.00 levied against the student. 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 Immigration and Naturalization Service (INS) regulations concerning the INS 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 fee schedule may have to be revised. Every effort will be made to publicize changes as far in advance as possible.

AVERAGE COST PER STUDENT PER FULL LENGTH 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 laboratory fees charged for credit in some courses as outlined; for deposits, special services, or materials that the student may require; nor for allowance for books and supplies which may be needed.

Total basic fees (12 to 16 hours)	\$ 1,220.00 *
Room and meals per semester (estimated)	1,325.00
ESTIMATED TOTAL	\$ 2,545.00

ALL TUITION AND FEES ARE SUBJECT TO CHANGE

IT IS THE STUDENT'S RESPONSIBILITY TO PAY ALL TUITION AND FEES BY THE DUE DATE REGARDLESS OF WHETHER A BILL IS RECEIVED. IF NOT PAID BY THE DUE DATE, THE STUDENT'S REGISTRATION WILL NOT BE CONFIRMED/RETAINED.

TUITION

Undergraduate:

12 to 16 hours	\$ 1,220.00 *
Less than 12 hours or 17 or more hours, per hour	\$ 102.00 *
OUT-OF-STATE CHARGES (UNDERGRADUATE):	
12 to 16 hours	\$ 2,440.00
Less than 12 hours or 17 or more hours, per hour	\$ 204.00

GRADUATE:

10, 11, or 12 hours	\$ 1,220.00 *
Less than 10 hours or 13 or more hours, per hour	\$ 122.00 *
OUT-OF-STATE CHARGES (GRADUATE):	
10, 11, or 12 hours	\$ 2,440.00
Less than 10 hours or 13 or more hours, per hour	\$ 244.00

*Lab fees charged in some courses when applicable.

ROOM

Residence hall rooms are available. Contracts are required for living in a residence hall. Any student living in a residence hall wishing to cancel the contract must contact the Department of University Housing. Any refunds will be given in accordance with the Residence Hall Contract. Rates for rooms are as follows:

Full Semester**RESIDENCE HALLS**

Crow Hall	\$575.00 (air conditioned)
Dixon Hall	575.00 (air conditioned)
Fitzpatrick Hall	575.00 (air conditioned)
Logan Hall	740.00 (new, air conditioned, private bath)
Patterson Hall	740.00 (new, air conditioned, private bath)
Rowan Hall	625.00 (air conditioned/private)
Sparkman Hall	585.00 (suite type, air conditioned)

DINING SERVICE

The university dining service provides a variety of board meal plans to meet the needs of JSU students. There are multiple choices for entrees and vegetables, plus salad, deli, grill, dessert and beverage bars on an all-you-can-eat basis. Also, meals may be purchased individually.

The following plans are available for both residents and commuters. All plans are purchased for the semester, but meals are issued on a Monday through Sunday week.

20 meals per week	\$ 800.00
(three meals daily, Monday through Saturday plus breakfast and lunch on Sunday)	
17 meals per week + \$75 flex	\$ 750.00
(any 17 meals you choose of the 20 served, plus \$75 flex to spend over the semester)	
14 meals per week + \$100 flex	\$ 700.00
(any 14 meals you choose of the 20 served, plus \$100 flex to spend over the semester)	
10 meals per week + \$125 flex	\$ 650.00
(any 10 meals you choose of the 20 served, plus \$125 flex to spend over the semester)	
7 meals per week + \$150 flex	\$ 600.00
(any 7 meals you choose of the 20 served, plus \$150 flex to spend over the semester)	
5 meals per week + \$175 flex	\$ 500.00
(any 5 meals you choose of the 20 served, plus \$175 flex to spend over the semester)	

The meal portion of the plan must be used at Jack Hopper Dining Hall, while the flex dollar portion of the plan can be used to purchase additional meals at Hopper Dining Hall, the Montgomery Food Court or Domino's Pizza. Additional flex dollars can be purchased at any time in \$25 increments.

Meals plans can be purchased throughout the school year at the food service office located in Hopper Dining Hall. Meal plans can be paid in full with check, cash, money order, MasterCard, Visa or Discover. We also accept payments on an installment program, which requires a \$300 down payment with the balance split into three equal payments (there will be a \$10 service fee added to each payment). We also accept payments through financial aid, loans, scholarships, etc., but this must be taken care of in person.

For further information call our customer service number at 256-782-7242 or you can write Sodexo Marriott Services, 700 Pelham Road North, Jacksonville, Alabama 36265.

OTHER FEES AND DEPOSITS

(Required of students only when applicable)

Initial Application for Admission

Fee (non-refundable)	\$ 20.00 per student
Degree Fee (non-refundable)	\$ 20.00 undergraduate/graduate
Degree (current) Reprint Fee	
(undergraduate and graduate)	\$ 5.00 per student per diploma

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 Bookstore. Costs will vary based on degree.

Identification Card Fee	\$ 10.00 per student
Identification Card Replacement Fee	\$ 5.00 per processing
Late Registration Fee	\$ 30.00 per student

Change in Course Schedule Fee	\$ 15.00	per processing
Teaching Certificate Fee	\$ 20.00	per student
Transcript of Records	\$ 5.00	per transcript
Audit Fee	\$ 25.00	per semester hour (If not enrolled in three or more semester hours)
Motor Vehicle Registration Fee	\$ 15.00	per academic year per decal
Pre-School Center Program	\$ 250.00	per child per full semester
	\$ 80.00	per child per short semester
Returned check fee	\$ 25.00	per check
Residence Hall Deposit	\$ 100.00	per student

SPECIAL LABORATORY FEES

Art 429	\$ 12.00	per course
Art 309, 409, 410, 413	\$ 18.00	per course
Art 362	\$ 25.00	per course
CBA 469	\$ 10.00	per course
Communication 375	\$ 10.00	per course
Computer Science 100, 201, 215, 230, 231, 232, 300, 301, 302, 303, 312, 330, 331, 352, 377, 402, 411, 417, 432, 441, 442, 443, 444, 454, 488, 496	\$ 10.00	per course
Engineering 121, 255	\$ 10.00	per course
Family and Consumer Science 131, 330, 333, 334, 335, 341, 431, 433, 434 232	\$ 3.00	per course
122, 221, 323, 325, 326	\$ 6.00	per course
Management 390, 495	\$ 7.50	per course
Marketing 497	\$ 10.00	per course
Mathematics 104, 204, 310	\$ 10.00	per course
Music 113, 114, 134, 135, 213, 214, 234, 235, 313, 314, 334, 335, 413, 414, 434, 435	\$ 25.00	per course
Music 170, 171, 260, 360, 361, 370, 371, 380, 381, 390, 391	\$ 3.75	per course
Nursing 202, 315, 317, 318, 321, 415, 421, 430	\$ 10.00	per course
Psychology 250	\$ 10.00	per course
Sociology 303	\$ 10.00	per course
Technology 201, 250, 351, 452	\$ 10.00	per course

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 Office of Admissions and Records with any questions. Graduate students should contact the Office of the Dean, College of Graduate Studies and Continuing Education.

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 pre-registered and has paid but does not wish to attend must notify the Office of Admissions and Records in person or in writing (certified mail suggested) prior to the first day of classes to receive a full refund of tuition charged. Refund of residence hall charges will be in accordance with the contract. Failure to assure this notification may result in academic and financial penalty.

Students scheduled to receive financial aid who do not plan to attend a session for which they have pre-registered must notify the Financial Aid Office and the Office of Admissions & Records in writing (certified mail suggested) prior to the first day of classes to cancel their pre-registration and financial aid. Students who fail to notify the Financial Aid Office prior to the first day of classes will be enrolled and subject to academic and financial penalty.

Tuition fees will be refunded as follows after classes have started:

Eighty percent (80%) of total tuition and class fees charged if withdrawal from classes occurs within one (1) week after the close of the registration period. Eighty percent (80%) of total tuition fee if withdrawal from classes occurs within three class days after the close of the registration period for the May and Summer terms.

Fifty percent (50%) of total tuition fees charged if withdrawal from classes occurs within three (3) weeks after the close of the registration period. Fifty percent (50%) of total tuition fee if withdrawal from classes occurs within nine class days after the close of the registration period for the May and Summer terms.

The same percentages apply to refund of laboratory fees. All withdrawal refunds will be mailed to student's mailing address. All remaining charges are due and payable upon withdrawal. There is no refund of tuition fees if withdrawal occurs thereafter.

Students receiving financial aid who withdraw may receive a refund based on federal guidelines as explained in the JSU Class Schedule. Recovery will be made to appropriate fund and/or student.

*Students are reminded that the term DROP refers to the dropping of part, but not all of the course work in a term; while WITHDRAWAL refers to ending enrollment in all classes at JSU for a term.

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

1. There will be a tuition adjustment for a change of course prior to the first day of classes.
2. If an undergraduate student adds enough hours to qualify for full-time status (12-16 hours), he/she must pay the difference between what was originally paid and \$1,220.00. If hours added cause the student's total hours to exceed 16, the hourly rate of \$102.00 will be added. Any difference should be paid on the date the course is added to retain the course.
3. If a graduate student adds enough hours to qualify for full-time status (10-12 hours), he/she must pay the difference between what was originally paid and \$1,220.00. If hours added cause the student's total hours to exceed 12, the hourly rate of \$122.00 will be added. Any difference should be paid on the date the course is added to retain the course.

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

1. There will be a tuition/lab fee adjustment for a change of course prior to the first day of classes.
2. On or after the first day of class there will be no tuition/lab fee adjustment for courses dropped.

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). 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 must also submit information concerning parental income, assets, and other items. Most unmarried students born after January 1, 1976 are required to file as dependent students.

Once the applicant completes the FAFSA, it is to be mailed to the processor or submitted via the internet. 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. 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 about 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 deadline 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 usually 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. Awards range from about \$200 to \$3,125 per academic year.

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, preferably by March 15.

Federal Supplemental Educational Opportunity Grant

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. Awards range from \$200 to \$2,000 per academic year.

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, preferably by March 15.

Alabama State Grant Program

Undergraduate students who have not earned their first baccalaureate degree and who have been residents of Alabama for the last three years are eligible to apply for this grant. The grant is restricted to Pell eligible students with the greatest demonstrated financial need. Awards range from \$200 to \$2000 per academic year. 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, 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

Students who must borrow money to finance their education should consider the long-term, low interest loans which are available to those who meet eligibility requirements. Prospective borrowers are reminded that all loans must be repaid regardless of whether or not they graduate.

Following is a brief description of the different loan programs:

Federal Direct Student Loan Programs

Jacksonville State University participates in the Federal Direct Student Loan Program (FDSL). Students who have received Stafford Loans may be allowed to consolidate them with Direct Loans.

There are three types of Federal Direct Student Loans: subsidized, unsubsidized, and Federal Direct PLUS Loan. Following is a brief description of each loan.

Federal Direct Subsidized Student Loan

A need-based loan. The interest rate is variable with a cap of 8.25%. Interest rate is determined annually by adding 3.10% to the 91 day Treasury Bill rate. Repayment begins six months after the student graduates or enrollment drops below half-time.

Federal Direct Unsubsidized Student Loan

A non-need based program, however, a need analysis must be submitted to determine if applicant qualifies for a subsidized loan. Borrowers who receive this loan must either pay the interest while enrolled or have the interest capitalized for repayment later.

Federal Direct PLUS

A non-need based loan. The interest rate is variable with a cap of 10%. It is determined annually by adding 3.10% to the 52 week Treasury Bill Rate. Repayment of principal and interest begins 60 days after the loan has been disbursed.

APPLYING FOR FEDERAL DIRECT STUDENT LOANS

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, preferably by March 15.

Parents interested in obtaining a PLUS loan must secure an application from the Financial Aid Office. Note that students interested in receiving only a PLUS loan are not required to submit a FAFSA, but are encouraged to do so.

Applicants will be notified of their eligibility by the Financial Aid Office.

ANNUAL LOAN LIMITS

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

Freshmen, \$2,625; Sophomores, \$3,500; Juniors and Seniors, \$5,500.

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

Freshmen, \$6,625; Sophomores, \$7,500; Juniors and Seniors, \$10,500; and Graduates, \$18,500.

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

NOTE THAT GRADUATE STUDENTS MUST BE ENROLLED FOR AT LEAST SIX (6) GRADUATE HOURS TO BE CONSIDERED ELIGIBLE TO BORROW AS A GRADUATE. LOAN AMOUNTS MAY NOT EXCEED THE COST OF EDUCATION.

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. Checks are issued monthly for work performed.

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. Also submit a Financial Aid Data Sheet, preferably by March 15.

University Student Employee

Students who do not qualify for Work-Study because of income may be eligible to work on the University Student Employee Program. Students interested in this program should contact individual department heads 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 may use the services of the Office for Off-Campus Employment located in room 106, Bibb Graves Hall.

SCHOLARSHIPS

The University provides several scholarships each year based primarily on the academic and extra-curricular achievements of its applicants. In addition, several organizations, individuals, and corporations offer scholarships. Contact the Financial Aid Office after January 1 for Scholarship Information and application. The absolute deadline to apply for most scholarships is March 15.

Faculty Scholars

Entering freshmen who are Alabama residents and who score high on the ACT or SAT are encouraged to apply for the Faculty Scholars program. This scholarship pays

full tuition and is renewable if the recipient maintains the necessary grade requirement. Students awarded this scholarship must reside in campus housing. To apply, submit a scholarship application to the Financial Aid Office by March 15. Minimum scores accepted for application are 28 on the ACT and 1230 on the SAT. Students who score at least 31 on the ACT or 1360 on the SAT are eligible to apply for free campus housing. The absolute deadline to apply for this program is March 15 and test scores must also be received by this date.

Leadership Scholarships

Leadership scholarships are available to students who have been active in extra-curricular activities in high school and/or college, and who show academic progress. To apply, submit a scholarship application to the Financial Aid Office or Freshman Admissions Office by March 15.

Disadvantaged Students in Nursing Scholarship

Awards of up to \$2,500 per year are available to nursing students who come from disadvantaged backgrounds. To qualify, a student must come from an environment that has inhibited the student from obtaining the knowledge, skill, and abilities required to enroll in and graduate from a health professions school or from a program providing education or training in an allied health profession; and/or come from a family with an annual income before a level based on low income thresholds, according to family size published annually by the U.S. Bureau of the Census. Students receiving this assistance must be full-time and must prove need. To apply, complete a Free Application for Federal Student Aid 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 as soon as possible after January 1. March 15 is the preference deadline to apply for this assistance, which is funded through the Federal Health and Human Services Department.

Technology Scholarship Program for Alabama Teachers

Tuition assistance is available to full-time, certified teachers in Alabama who are taking graduate courses. Recipients are eligible for three computer technology courses (EIM 503, EIM 504, EIM 505). The program is administered by the Alabama Commission on Higher Education, and application must be made each term. Applications are available in the Financial Aid Office.

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, required textbooks, and laboratory fees. For more information, contact the nearest Veterans Affairs Office, located in each Alabama county courthouse.

Veterans Benefits

Veterans of the armed forces may be eligible for a variety of programs. An office of Veterans Affairs is located in room 101, Bibb Graves Hall.

Vocational Rehabilitation Assistance

Alabama residents who have physical disabilities may be eligible for assistance through the Vocational Rehabilitation Service. Most states also offer this assistance, and those interested in applying should contact this agency which has offices in most county seats.

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, books and laboratory fees 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 dormitory. 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.

Other Programs of Assistance

Several other programs of assistance are available. Information on these can be obtained by contacting the Financial Aid Office. Another source of information is the Alabama State Occupational Information Coordinating Committee. Most high schools in Alabama have link-ups with this service in their libraries or counselors' offices.

SATISFACTORY ACADEMIC PROGRESS POLICY FOR FINANCIAL AID

Federal regulations require that students receiving financial aid be making satisfactory academic progress toward graduation. This involves meeting three criteria: qualitative (maintaining the necessary grade point average); quantitative (passing at least 60% of hours attempted); and time frame (graduating within 192 hours of work attempted).

Because extenuating circumstances may cause students to fail to meet these requirements, an appeals process has been established. The Financial Aid Appeals Committee meets every two weeks (every other Friday) for undergraduate appeals.

Requirements for Maintaining Satisfactory Academic Progress

Qualitative: Students must maintain the University's grade point requirements—

00-32 hours attempted—1.50 GPA required

33-64 hours attempted—1.70 GPA required

65-96 hours attempted—1.80 GPA required

97+ hours attempted—2.0 GPA required

Quantitative: Students must pass at least 60% of all work attempted and may not withdraw more than twice while receiving financial aid.

Students are cautioned that dropped courses are monitored; those who drop courses after receiving financial aid payment are subject to losing financial aid eligibility.

Time Frame: Most baccalaureate degrees require 128 hours for graduation. Because some students may take more hours, due to repeated coursework, because of changing

majors, or losing transfer credits, one and one-half times the normal 128 hours (192) are allowed. This includes all attempted coursework at Jacksonville State University and all transfer hours. It also includes any coursework removed for Second Chance or Academic Forgiveness.

Procedure for Appeal

Undergraduate students may appeal for failing to meet the above requirements by submitting a letter to the Financial Aid Appeals Chair. Explain the circumstances relating to your failure to meet the requirements (death in family, having to work, change of major, health problems, etc.). Be specific and include supporting documentation if possible, such as letters from your physician, etc.

Entering Freshmen are normally granted two semesters of financial aid eligibility.

Students who fail to meet satisfactory academic requirements because of one or more "Incompletes" are allowed to appeal.

Transfer students who initially do not meet the satisfactory academic progress requirements are allowed one conditional semester of eligibility.

Satisfactory academic progress is monitored at the end of the Spring semester and at the end of the May-Summer-Marathon terms.

Satisfactory Academic Progress Requirements for Graduate Students

Graduate students are eligible academically for financial aid during their first two semesters of full-time equivalent (the first 18 graduate semester hours) attendance. Following this period, students must pass at least 75 percent of hours attempted and maintain a minimum 3.0 cumulative grade point average in order to continue to be academically eligible. Graduate students are eligible for up to one and one-half times the required number of hours necessary for a degree. Most degrees require between 30 to 36 hours, giving maximum eligibility of between 45 and 54 hours. Education Specialist students (EdS) are allotted up to an additional 33 hours of eligibility. Graduate students who withdraw twice while on financial aid lose eligibility. Graduate students who lose financial eligibility may appeal by contacting Rachel Parker in the College of Graduate Studies.

AWARDING, ACCEPTANCE AND PAYMENT OF FINANCIAL AID

Students who are determined to be eligible for Federal Pell, Federal Supplemental, and Alabama State Grants, Federal Direct Loans, and Disadvantaged Students in Nursing scholarships will receive an Offer of Financial Aid and other documents which must be completed and returned to the Financial Aid Office within fourteen days. This assistance, and scholarships awarded by the University, is credited to the student's account and a check is issued to the student's post office box for the balance, if applicable, by the third day of classes. Note that first time Federal Direct Student Loan borrowers may be subject to a 30 day delay.

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. 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 One, and Summer Two 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 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 this assistance use their social security numbers as their student numbers.

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 refund/repayment policy is located in the class schedule book.

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 Admissions and Records 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 Direct Student 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.

April 1 is the preference deadline to apply for these terms.

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.

FINANCIAL AID TRANSCRIPTS

Federal regulations require that students who transfer from other institutions must file a Financial Aid Transcript from each institution if they apply for financial aid. Note that JSU students who attend summer terms at other institutions must file a Financial Aid Transcript each term this occurs. An FAT must be on file from all institutions that students attended regardless of whether or not aid was received at that institution.

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.

HOUSING AND RESIDENCE LIFE

The Department of University Housing is committed to serving a diverse population of the Jacksonville State University Community. The primary goal of the Department of University Housing and its staff is to provide this population with the best possible housing accommodations. Additionally, the staff is committed to enhancing the educational process of residents through a meaningful group living experience.

The Department of University Housing operates and maintains 9 residence halls and 236 apartment units. To be eligible to live in university housing, a student must be enrolled at Jacksonville State University.

RESIDENCE HALLS

1. All students living in University Residence Halls must pay a \$100.00 deposit plus sign an academic year contract prior to moving into the residence hall.
2. By signing a contract, a student is guaranteed space in University housing, but not a specific room. Every attempt will be made to honor requests for specific halls.
3. Students who are withdrawing from the University after the opening of the residence halls for each semester or are graduating, or practice teaching may be eligible for a partial to full refund of any rent paid as outlined in the University Housing Contract.
4. Students remaining enrolled in the University for the Spring Semester but wishing to cancel their housing contract may do so by purchasing the remaining portion of the contract prior to the opening of the halls for Spring Semester. This cost will be 20% of the unused portion of the contract. Additionally the \$100.00 deposit will be forfeited.
5. Room changes and Hall transfers are available. No changes or transfers will be made until the second day of classes of each semester.
6. The Department of University Housing reserves the right to reassign students to other rooms, or halls when to do so appears to be in the best interest of individuals or groups of students, or when it determines that a student is not actually residing in their assigned space.
7. For further information, please refer to the University Housing Contract, the *Residence Hall Guide to Living*, or contact the Department of University Housing at (256) 782-5122.

APARTMENTS

1. All students living in university owned apartments must pay a \$100.00 deposit plus sign a lease prior to moving into an apartment.
2. Students wishing to renew an existing lease must do so in writing thirty (30) days prior to the expiration date of the lease.
3. For further information, please contact (256) 782-5449.

ACADEMIC REGULATIONS

GENERAL REQUIREMENTS

To be considered a candidate for graduation the student must:

1. Fulfill the specific requirements for a particular degree as set forth in the following pages.
2. Earn a minimum of 32 semester hours residence work at Jacksonville, even though he/she has been admitted to advanced standing or has transferred credits. Programs of study requiring more than 128 semester hours will require additional minimum resident hours so that at least 25 per cent of the work applied toward the degree is resident work.
3. Have no more than 12 semester hours in correspondence work.
4. Earn a minimum C Average 2.0 GPA (Some programs require a higher GPA) and attain other standards approved by the faculty.
5. Be 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. Have a minor subject in addition to a major subject for all degrees with the exception of students earning majors in general studies, communications, dietetics, restaurant and food service management, nursing, accounting, finance, management, marketing, computer integrated manufacturing systems technology, electronics technology, occupational safety and health, technology, and social work and the B.S. degree when the major is economics. However, degrees for those seeking teacher certification require teaching field(s) in lieu of majors/minors. The B.F.A. degree requires an area of specialization in lieu of a minor.
7. Complete 128 semester hours of university work and must earn a minimum "C" average 2.0 G.P.A. Students entering with advanced standing or earning credit from another institution after initial enrollment at Jacksonville must earn a minimum "C" average, 2.0 GPA, at this institution. (Note: Some degree programs require more than 128 semester hours.)
 - a. A student must earn a minimum "C" or better in each of his/her major and minor courses. A student working toward a degree from the College of Commerce and Business Administration must also have a 2.0 GPA in the business core [courses identified in Commerce and Business Administration section] overall and the business core courses in residence.
 - b. At least 52 semester hours of credits presented for a degree must be in courses numbered 300 or above.
 - c. No matter what advanced standing the candidate may have been admitted under, or what credits he/she may have transferred he/she must earn credit at Jacksonville for at least twelve hours of advanced work (courses numbered 300 or above) in his/her major subject or teaching field area and six hours in advanced work (courses numbered 300 or above) in his/her minor subject.**
 - d. Students should 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.
 - e. The student must, before each registration, confer with his/her advisor and secure his/her approval of the choice of courses for the major and minor (or minors) or electives, and of sequences of such courses.
 - f. Must successfully complete the English Competency examination. (See Tests and Examinations Section).

8. 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.

**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.

STUDENT LOAD

1. The normal student load for those in attendance during the regular session is defined as 16 hours. Full-time status is defined as 12 semester hours, while 21 semester hours is the maximum load.
2. Students in good standing in each summer semester are permitted a normal load of 6 hours and the maximum of 7 hours each summer term (maximum of 3 courses each session).
3. The normal and maximum load in the May term is 7 hours for the student in good standing.
4. Students can find their grade point average by dividing the number of hours attempted (all hours for which registered) into the quality points earned. Note section on Replacement Course Policy.
5. 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.
6. Students dually enrolled at Jacksonville State University and any other institution operating may take a maximum of 21 semester hours during the fall and spring semesters. Course loads for the May, Summer I and Summer II will be the same as for JSU, no more than 7 hours may be scheduled in the May term, Summer I term, or Summer II term. Questions concerning overlapping terms should be directed to the Office of Admissions and Records.
7. Questions concerning student load may be addressed to the Office of Admissions and Records.

REGISTRATION

All students must register before being admitted to classes. The procedure of registering is outlined in the class schedule book. 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 late 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 after formal registration will be charged a \$30.00 late registration fee. Students will be responsible for class work from the first class meeting and incur normal absences for classes missed.

AUDITING COURSES

A person not regularly enrolled in the University may audit courses with the approval of the instructor of the subject, provided there is space available in the class desired.

Auditors must make application for admission and pay the 20.00 non-refundable application fee as well as the \$25.00 per semester hour fee. 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.

Students taking at least three hours for credit may audit other course(s) in the same semester without charge of an audit fee, but must secure permission of the instructor(s) concerned.

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

HONORS COURSES

The University offers Honor sections of some survey level courses. Those sections will be designated in the class schedule book by the letter H appearing after the course number. Honors courses typically require the permission of the instructor as a prerequisite.

CHANGES IN REGISTRATION

No changes in a student's program of studies will be permitted, nor may courses be dropped, later than the published date. All changes must be made through the Office of Admissions and Records or the office of the academic dean. See schedule book of classes for specified procedure. No student will be dropped from the class roll until the instructor is officially notified by the Office of Admissions and records (see section on withdrawal).

WITHDRAWALS

A student wishing to withdraw from the University within any semester must initially contact the Office of Admissions and Records in person, or in writing (certified mail suggested). 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 failures earned in so far as penalties, such as scholastic probation or suspension, are concerned. Refer to appropriate schedule book for deadline dates for withdrawals without penalty.

Prior to the first day of class for a term in which a student pre-registered, he/she may cancel the registration by contacting the Office of Admissions and Records, requesting cancellation of registration. Written request for cancellation of classes must be made in person or mailed (certified mail suggested) and must be received in the Office of Admissions and Records prior to the first day of classes.

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

Students who have not processed an official withdrawal from the University may not petition for grade changes beyond two weeks from the close of that semester. (See refunds section.)

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, 102, and PHS 099.
- NC — No credits (0-69). This grade assigned only in English 098, 099, 101, 102, 348, LS 094, 095, 096, 097, 098, 104, and PHS 099.
- 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, and PHS 099.
- 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/F — Withdrawn failing (counts as an F)¹
- W/P — Withdrawn passing.¹
- 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 — no quality points.

The grade "Incomplete" may be assigned by the instructor in unusual circumstances. An Incomplete will not be assigned unless the student is passing the course. The student should not register for the course again but should make arrangements with the instructor to complete the outstanding requirements.

An "Incomplete" must be removed during the next semester of enrollment or one calendar year, whichever occurs first. An "Incomplete" is calculated as an "F" until the Incomplete grade is removed. When the student has met all requirements for the course, the faculty member who assigned the "Incomplete" is responsible for reporting the permanent grade for the course to the Office of Admissions and Records within the deadline dates. For purposes of calculating the next term of enrollment only fall and spring semesters will be counted. Students will be notified in writing by the Office of Admissions and Records as soon as the "Incomplete" has been converted to a permanent grade. It is the responsibility of the student to initiate contact with the instructor and complete the required course work within the specified time. An "Incomplete" will convert to an "F" one year after "Incomplete" was assigned unless the faculty member has recorded the permanent grade before the end of the twelve month period.

A request for an extension of time to remove an "Incomplete" must be approved by the Instructor, Department Head and appropriate Dean and the Registrar at least three (3) weeks before the time limit expires.

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 interests.

REPLACEMENT COURSE POLICY

Students wanting to improve their GPA may repeat courses in which they have earned a grade of "D" or "F" by retaking the course and earning a grade of "C" or better. All attempts will remain on the academic transcript with previous grades replaced with "DR" or "FR".

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.). However, 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.

¹Issued only when the student has properly withdrawn from the university. See section on withdrawal.

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. This rule applies to all credit, whether the work is pursued at Jacksonville or at other colleges or universities. 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. Students who duplicate course work should be aware that all work attempted including duplications will be calculated in the grade point average. See Replacement Course on page 32.

INSTITUTIONAL CREDIT

INSTITUTIONAL CREDIT IS AWARDED FOR SUCCESSFUL COMPLETION OF DEVELOPMENTAL COURSES. SPECIFICALLY, THESE ARE EH 098, EH 099, LS 094, LS 095, LS 096, LS 097, LS 098, AND PHY 099. 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."

MID TERM/FINAL GRADES

At mid term a grade report is sent to students who currently have a "D" or "F" in any class. This report is delivered to the student's campus P.O. Box or may be accessed for a limited time via the In-Touch system or the internet. Students must have their secret code to access grades via In-Touch or Internet. Final grades are mailed to the address of record or may be accessed the same as mid-term grades. Mid-term 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 Office of Admissions and Records. 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 Office of Admissions and Records, stating the reason for the error and the need to change.

Students who have not processed an official withdrawal from the University may not petition for grade changes beyond two weeks from the close of that semester.

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 will be listed on the President's List
 - b) Students who obtain a grade point average between 3.5 and 3.99 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) For the purpose of determining eligibility for graduation with honors, all resident work except the last semester in residence will be averaged to determine the appropriate award. Effective for students graduating Fall 2000 and thereafter, eligibility for Honors will be determined at the conclusion of the degree program.
- f) Those eligible for honors must have completed at least 32 semester hours at Jacksonville prior to the last semester in order to qualify for honors at graduation. To be considered for "special honors in ----," students must also have completed a minimum of 12 semester hours of credit in the major area at JSU.
- g) 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.
- h) Note that the Replacement Course Policy, Academic Forgiveness and Second Chances listed elsewhere in this catalogue do not apply for purposes of Honors at Graduation.
- i) 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.

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

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." 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

Students who have been academically dismissed for at least one calendar year (twelve months) may petition for reinstatement through the Associate Vice President for Academic and Student Affairs. A reinstatement shall be for one semester only. The reinstated student will be placed on probation and must maintain not less than 2.00 grade point average for each attempted course during the semester of reinstatement. In addition, the Associate Vice President for Academic and Student Affairs may require other conditions during the semester of reinstatement such as minimum or maximum course load, specific courses, developmental courses, academic counseling, career development counseling and/or other special conditions as deemed appropriate by the Associate Vice President for Academic and Student Affairs.

Students not maintaining minimum GPA requirements during a semester of reinstatement will be returned to their previous status of "academic dismissal." A student placed on "academic dismissal" after one reinstatement may petition the Academic Council for reinstatement after the student has remained dismissed for one calendar year (twelve months). While in "academic dismissal" no credit for the purpose of transfer may be earned at any college or university.

Undergraduate Retrieval Policy

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 dropped for academic reasons have the option of petitioning through the Associate Vice President for Academic and Student Affairs for reinstatement. Such reinstatement would be termed a retrieval semester. A retrieval shall be for one semester only. Reinstatement after an unsuccessful retrieval must be approved by the Academic Council. Any student under academic suspension or dismissal has the option of petitioning for retrieval.

The reinstated student must maintain a 2.0 grade point average for each attempted course during the retrieval semester. All requirements specified by the Office of the Associate Vice President for Academic and Student Affairs must be met during the retrieval semester. Among these are a course load of no more than the minimum full-time load for the semester of retrieval, consultation with an academic advisor, and any special conditions necessary for the individual's reinstatement, e.g., specific courses or removal of incompletes.

Students not maintaining the GPA requirement or any condition of their retrieval will be dropped from the University. The retrieval student in an academic suspension status must remain dropped for one semester. The retrieval student placed in an academic dismissal status must remain dropped for one calendar year (12 months).

The Office of the Associate Vice President of Academic and Student Affairs will have the responsibility of maintaining an active file on each retrieval student. The academic progress of these students will be monitored throughout the semester.

ACADEMIC FORGIVENESS

Occasionally, during a particular semester, students encounter personal, emotional or financial circumstances so devastating that it becomes impossible for them to perform

academically at a level approximating their usual record of achievement. 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 the student's grades for the semester are decidedly below their normal record, it is possible for the student to petition for academic forgiveness. If forgiveness is approved, 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.

Two factors are considered in the review of petitions for academic forgiveness:

(a) The student's record must show a pattern of successful academic performance to be considered for academic forgiveness. Twenty-four hours of course work with a minimum of a 2.00 GPA is required to determine a pattern of successful academic performance. A pattern of successful academic performance may be established before or after the term for which academic forgiveness is requested. Except for graduating seniors, twelve of these hours must be successfully completed after the semester in question.

(b) The problem encountered by the student must be unusual in degree and bear a logical connection to the student's poor performance. The problem and the effects of the problem on the student's work must be reasonably documented and verifiable.

PROCEDURE

Students may petition for academic forgiveness for only one semester (any fall, spring, May, or summer term) already completed at the University. A petition will not be considered if the student has received a degree subsequent to the semester in question.

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 and Student Affairs located in Room 201 Bibb Graves Hall. After review by the appropriate parties, a recommendation regarding the petition will be made to the Vice President for Academic and Student Affairs. The Vice President of Academic and Student Affairs will then consider all recommendations and documentation and make a final decision.

If approved, the student will be notified by the Office of Admissions and Records and the academic record will be adjusted. Once granted, academic forgiveness may not be reversed. Students are cautioned that graduate and professional schools often compute grade point average over all hours attempted when considering applicants for admission. Additionally, students should note that although a semester may have been academically forgiven for purposes of completing degree requirements, all JSU courses, including the forgiven semester, will be used in determining honors at graduation.

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 Office of Admissions and Records. Second chance is not applicable to Teacher Education Program admission.

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/outline at the beginning of the semester. Students are held responsible for attendance at all class meetings.

CLASSIFICATION OF STUDENTS

Students, including transfers, will be classified as sophomores, when they have earned 32 semester hours; juniors when they have earned 64 semester hours; seniors, when they have earned 96 semester hours.

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 G (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 class day preceding 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 Test (ECE) prior to applying for graduation.

STUDENT'S RESPONSIBILITIES

All students are held responsible for meeting the requirements for graduation as set forth in the catalogue. These requirements are clearly stated in proper places under proper headings. If the student is uncertain as to the program he/she is following, he/she should consult the catalogue, using the index, if necessary, to locate needed information. If the student has lost count of credits earned or those still to be earned, he/she should consult with or write the appropriate Dean's office.

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 before filing an application for graduation. Students register for the examination in the English Department, Room 215, Stone Center. The ECE is given once each fall and spring semester.

Students who have passed the writing section of the Georgia Regents' Test are exempt from the ECE. Students must present evidence of satisfactory completion to the Office of Admissions and Records.

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 further information about assessment procedures, students should contact the Office of Assessment, Room 144, Ayers Hall or call (256) 782-5109.

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.

DISTANCE LEARNING

Jacksonville State University is meeting the growing demands of adult learners in a high tech world. As a partner in the nationwide "Going the Distance" project, JSU is helping students obtain an associate degree through a combination of televised and on-campus experiences. Telecourses may combine televised with on-campus study sessions, study texts, reading assignments and laboratory opportunities. The Going the Distance curriculum consists of 100-200 level telecourses. Three hundred level and above telecourses are not included in the Going the Distance project. It should be noted that students cannot receive financial aid from two institutions at the same time. Students electing to take courses in addition to telecourses will pay the regular JSU tuition for those courses.

In meeting the needs of the 21st century, Jacksonville State University is committed to offering courses for on-line distribution. Regular JSU tuition rates apply to courses offered through the Internet.

The University has a state-of-the-art compressed video multimedia teleconferencing system that serves six sites, i.e., JSU, JSU-G, Oxford High School, Marshall County Technical School, Snead State Community College and Northeast Alabama Community College. Compressed video allows for live interactive communication to any point in the world using combined television and computer technologies. It encourages students to actively participate with their instructors and other class members at distant locations.

For further information about distance learning, students should contact Dr. Franklin L. King, 101 Ramona Wood Building or flking@jsucc.jsu.edu. Internet users are invited to visit Jacksonville State University World Wide Web Home Page at <http://www.jsu.edu>. Many important and informational items related to distance learning are available via the JSU Home Page as well as an opportunity to seek additional information about Jacksonville State University.

EVALUATION OF 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 Office of Admissions and Records by completing the appropriate forms and presenting a copy of their discharge and an official statement of educational experience and training.

EARNING TRANSIENT CREDIT

JSU students who are in good academic standing may attend a regionally accredited college or university as transient students to take acceptable course work. Students must have **approval from the Office of Admissions & Records prior to enrolling** with another college.

Students should note: (1) Course equivalencies should be checked with the JSU Office of Admissions & Records. (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 Office of Admissions & Records when course work is completed.

Service Members Opportunity College (SOC)

The Service Members Opportunity College is a network of colleges and universities providing educational opportunities to the servicemember or civilian whose course work is interrupted by military or civilian obligation which has necessitated his/her relocation.

The SOC program is coordinated through the Offices of Continuing Education and Admissions and Records. Students in the SOC program must meet admission requirements to Jacksonville State University and fulfill all general academic regulations as outlined in the university catalogue. The student may take a significant amount of course work from an accredited college or university and have that course work applied to a degree through Jacksonville State University. It is the student's responsibility to work closely with the appropriate academic dean and the Office of Admissions and Records in taking course work from other institutions which is designed to apply toward degree requirements at Jacksonville State University.

NON-TRADITIONAL CREDIT

The maximum hours allowed for non-traditional credit (CLEP, military service schools, etc.) is 46 semester hours. Non-traditional credit awarded by Jacksonville State University is not considered as resident credit.

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 in room 107, Bibb Graves Hall.

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.

AP

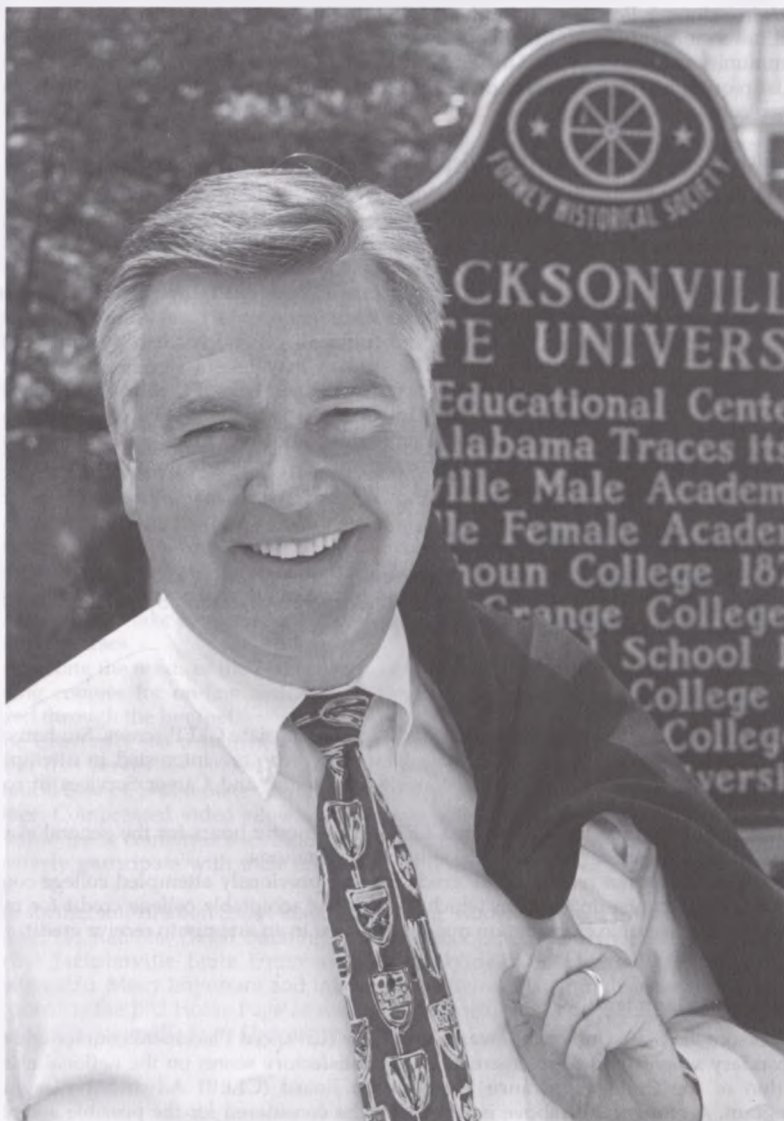
(Advanced Placement)

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 and Records as early as possible for review and possible award of credit.

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

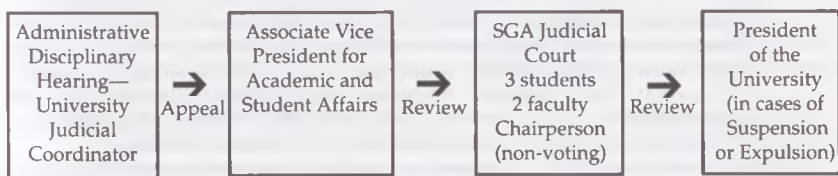
DISCIPLINARY POLICY

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.

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.

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 outlined 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 and Registrar records should be made to the University Registrar; (2) financial records should be made to the Vice President of Business Affairs; (3) financial aid records should be made to the Director of Financial Aid; (4) placement, counseling, disciplinary, health and security records should be made to the Associate Vice President for Academic and Student Affairs; (5) school and departmental records should be made to the Dean of the appropriate school; (6) employment records should be made to the Director of Personnel.
 - (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, address, telephone listing, date and place of birth, 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, and the most recent previous education agency or institution attended by the student. 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 therewith by the educational institution.
- (c) The written consent of the eligible student referred to in (3b) above must be signed by the student, must be dated, shall include a specification of the records to be released, the reason for such release and the names of the parties to whom such records will be released 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 of 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. 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 number along with expiration date of card 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 Office of Admissions and Records, 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 Office of Admissions and Records 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 Office of Admissions and Records 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.

SOCIAL SECURITY NUMBER

The student's social security number is confidential. The use of the social security number as the student number is voluntary. 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 as their student number. If the student desires not to use the social security number as a student number he/she may notify, in writing, the Office of Admissions of this intent. Any social security number used as a student number will not be released without the consent, in writing, of the student.

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 which receives or benefits from federal assistance.

The coordinator of Section 504 and compliance officer for ADA is the Director of Disability Support Services.

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 Personnel Services 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 judgement and motor skills which greatly increases the risks of injury or death due to accidents.

D. Drug Awareness, Counseling, and Treatment

Counseling and Career Services offers counseling and therapy 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 the Calhoun-Cleburne Mental Health Center or to a facility approved under our health insurance plan.

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 Cafeteria. See Fee Listing.

MOTOR VEHICLES

Any motor vehicle possessed, maintained or operated on the Jacksonville State University campus is required to be registered with the University Police. Vehicles must be registered annually at Registration at the beginning of the Fall Semester or at Registration at the beginning of the semester in which the student first matriculates. If a vehicle is acquired after Registration has been completed it must immediately be registered with the University Police.

The registration fee is \$15.00 for each academic year. At the time of registration a valid driver's license and tag number must be presented.

Parking and traffic regulations may be obtained at the time that vehicle is registered or at any time by accessing the UPD Home Page on the world wide web.

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 Department located in Salls Hall. (Emergency 782-6000, non-emergency 782-5050) The University complies with the Right To Know and Campus Security Act of 1990. An annual crime statistics report along with security-related policies are distributed to students and employees. These may also be obtained upon request from the University Police Department located in Salls Hall, or by accessing the UPD Home Page: <http://www.jsu.edu/depart/upd>.

PRE-SCHOOL CENTER

The Laboratory Center for the young child furnishes University students and parents of pre-school age children (ages 3 and 4) opportunities for observing the interests and responses of children in the various activities as well as for assisting the Center. Charge per regular scholastic semester is \$250.00, and for one summer semester, \$80.00 for each child. Payment for the semester is due the first day of classes.

ACADEMIC CENTER FOR EXCELLENCE (ACE)

Academic Center for Excellence (ACE) enhances student academic success and persistence from entrance through graduation. ACE develops student academic skills; student adjustment to college; student/faculty/staff appreciation of cultural diversity; faculty/staff pedagogical and student-centered skills; and intrusive academic advisement. ACE services are divided into two areas: **Encouragement Advising**, comprised of Counseling and Career Services, Disability Support Services, Multicultural Services, and Orientation /Advisement Services; and **Learning Assisting**, comprised of Learning Services and Supplemental Learning Services.

Counseling and Career Service

Counseling and Career Services offers personal, educational, and career 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 and Career Services features a comprehensive career library, on-line computer resources for making vocational and educational decisions, and is the registration site for CLEP, ACT, GRE, MAT, and other examinations.

Counseling and Career Services provides employment assistance to graduating seniors and alumni through on-campus interviews, job listings, career fairs, referrals, computer resources, corporate information, and individual counseling. In addition, Counseling and Career Services coordinates programs for part-time, off-campus employment, internships, and cooperative education experiences.

Disability Support Services

Disability Support Services (DSS) provides academic support services as required by Section 504/ADA, removing unfair barriers, and equalizing opportunities to otherwise qualified students. DSS does provide additional programming for students who have sensory disabilities. DSS works with faculty and staff to facilitate the student's integration into the academic community.

Multicultural Services

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

Orientation and Advisement Services

Orientation and Advisement Services assists new students and families in their transition to JSU and exposes them to educational and social opportunities available. This service identifies and trains advisors to assist students, particularly those having academic difficulty.

Learning Services

Learning Services supports academic achievement through the Department of Learning Skills, computer-assisted practice on basic and advanced skills, and ExSEL (Experiencing Success in Education and Life), a summer bridge between high school and college.

Supplemental Learning Services

Supplemental Learning Services augments core curriculum courses with peer-lead learning groups and individualized tutoring. Supplemental Instruction (SI) is incorporated in various high-risk core classes and is especially helpful for students who feel they will have academic difficulty in these classes. Remediation for the English Competency Examination is also available through this service.

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. 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.

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. Call for an appointment at (256) 782-5310.

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), Learning Resource Center (LRC), Multimedia Instructional Laboratory (MIL) and campus-wide distance learning.

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 checkout. 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 facilitates a variety of distance learning projects including video conferencing, the internet and telecourses at JSU. These courses may combine distance learning opportunities with on-campus experiences, study texts, reading assignments

and laboratory opportunities. 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 640,000 bound volumes plus numerous periodicals, 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. Other library materials are located at Gadsden State Community College to support the University's offerings on that campus. 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 can be found at www.jsu.edu/depart/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, instruction in how to use library materials, computer searches of bibliographic data bases, and inter-library loan service. Library books may be checked-out at the circulation desk in the lobby.

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 request, with the instructor's approval, check-out and classroom delivery of materials and equipment. Production services include assistance in producing transparencies, slides, audio tapes, slide/tape presentations, and spirit duplication.

Houston Cole Library is open eighty-seven hours per week during the regular semesters and seventy-one hours per week during the short terms.

ATHLETICS

Jacksonville State University is beginning its fifth year in NCAA Division I competition. After dominating the Division II Gulf South Conference for over 20 years, the University elected to move up in classification and all of JSU's 14 intercollegiate sports began Division competition.

The step up in classification was complemented by an invitation to join the Trans America Athletic Conference. The TAAC is a 10-member league located in five southeastern states. The Gamecocks football program joined the Southland Football League in 1997 as a chartered member of the eight-team league. Jacksonville State University will compete in 14 sports; seven for men, and seven for women as follows:

MEN—Football, Baseball, Basketball, Tennis, Golf, Rifle and Cross Country.

WOMEN—Golf, Basketball, Softball, Volleyball, Tennis, Cross Country and Soccer.

Renowned for its broad based athletic interest, facilities and championship teams, JSU has developed and maintained a prominent role in college sports. All students are welcome and encouraged to participate in the program of his or her choice. Financial aid is available in all sports for those who qualify.

The disclosures required by the Equity in Athletic Disclosure Act are on file in the University Library.

THE INTERNATIONAL HOUSE PROGRAM

The International House program is a Department of State approved cultural exchange program with emphasis on cultural understanding.

Each year forty undergraduate students are accepted as members of this unique undertaking. 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 membership.

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 culture 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 should write: Director, International House Program, Jacksonville State University, Jacksonville, AL 36265.

INTERNATIONAL PROGRAMS AND SERVICES

The Office of International Services and Programs provides support in three general areas dealing with international education. It provides services to international students who attend the University and who are not part of the International House Program. These include helping students to: adjust to life in the U.S.; become integrated into the university and the community; follow the laws regarding their immigration status; have opportunities to fully experience American culture.

The Office of International Programs and Services provides support for JSU students who study abroad and for faculty exchange programs. Students interested in study 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. Visiting faculty from universities abroad are provided with support during their stay on the campus.

The Office of International Programs and Services provides support for international activities in the University, including the international content in the curriculum. Cultural activities, student organizations, and student activities with an international content are supported. Persons wishing additional information are encouraged to call (256) 782-5674 or write International Programs and Services, 122 Daugette Hall, Jacksonville State University, Jacksonville, AL 36265.



SUMMARY OF DEGREES AND GENERAL STUDIES REQUIREMENTS

Jacksonville State University offers six undergraduate degrees; B.S.Ed., B.S., B.A., B.F.A., B.S.W., B.S.N. Students may be awarded multiple majors within many degrees and may complete more than one degree. However, 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 section lists the various major areas which may be selected in each of the degrees.

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) EH 101, 102
- 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.)
- Area III Natural Sciences and Mathematics (11 semester hours)
MS 102 (3 hours)
Major departments specify which courses are required. At least 3 semester hours in mathematics at the pre-calculus algebra level or higher mathematics and at least 8 semester hours in the natural sciences which must include laboratory experiences.
- 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.)
- Area V Pre-Professional, Major and Elective Courses (23 Semester hours)
Major departments specify required courses and/or electives.

MAJOR/MINOR REQUIREMENTS/ELECTIVES

Minimum 64 hours
TOTAL: Minimum 128 hours¹

I. BACHELOR OF ARTS

Majors for the B.A. degrees must be selected from any field in which majors are offered with the exceptions of physical education, computer science and computer information systems, science composite, home economics curricula, criminal justice curricula, military science, accounting, management, marketing, finance, education, social

¹Of the total hours, 52 must be numbered 300 or above.

12 hours in the same foreign language is required when the major is Chemistry, English, History, or Physics. Communications requires 6 hours.

A student wishing to waive FL 101 & 102 must pass the waiver exam. He/she must then complete six (6) hours (201, 202) in the same language.

Teaching fields offered in place of the majors for the BS in Education may or may not meet BA degree requirements. In addition, several teaching fields are offered only for those pursuing education degrees. The student is cautioned to check with his/her department head or Director of Advisement and Certification, College of Education, prior to the selection of a major, should teacher certification be desired.

work, and teaching fields. Minors may be selected from any fields in which minors are offered.

BACHELOR OF ARTS WITH A MAJOR IN GENERAL STUDIES

Jacksonville State University offers a Bachelor of Arts with a major in General Studies. This degree program tends to meet the academic needs not ordinarily available in other degree programs of the University. For further information, please confer with the Associate Dean of the College of Arts and Sciences.

A total of 128 semester hours is required for the Bachelor of Arts with a major in General Studies. Of the 128 semester hours, 52 hours must be at the 300 or 400 level, and a minimum of 32 semester hours must be completed in residence at Jacksonville State University. All academic regulations of the University must be met.

Requirements for the major in General Studies are that from the following four areas of courses:

- Area I — English Composition and Communications,
Literature and Languages
- Area II — Humanities
- Area III — Science and Mathematics
- Area IV — Behavioral Sciences

1-12 semester hours are to be chosen from two different areas and 18 semester hours are to be chosen in a third distinct area called the concentration. These 42 hours are in addition to the University's core curriculum requirement that each student must meet. Majors must have a minimum of 12 semester hours of 300 or above level courses completed in residence in his/her area of concentration, and **must present courses with grades of "C" or better to fulfill the area of concentration requirements.**

Courses meeting the above requirements must be selected from a list of approved courses that is available in the office of the Associate Dean of the College of Arts and Sciences or be approved by the General Studies advisor.

II. BACHELOR OF FINE ARTS

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

III. 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 major 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, merchandising, economics, food and nutrition, 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.

IV. BACHELOR OF SOCIAL WORK

The requirements for the Bachelor of Social Work (B.S.W.) are listed under the department of Sociology and Social Work. Specific core requirements and major course sequence exist.

V. 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, Home Ec. Education, Secondary Education, Physical

Education, Health Education and Special Education. Information regarding teaching fields may be found under the respective department or college.

Please note that the requirements for graduation, including the Grading System and General Requirements also apply to teacher education degree programs.

VI. 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 Physical Sciences 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 undergraduate 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 are 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 adviser** 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 adviser. 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-LEGAL COURSES

Nearly all accredited law schools require that a student have an undergraduate degree in order to enter law school. The University of Alabama and Samford University law schools require a baccalaureate degree prior to admission.

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 background 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 Chairman of the Political Science Department, Martin Hall.

COLLEGE OF ARTS AND SCIENCES

J. E. Wade: Dean

DEPARTMENT OF ART (ART)

Accredited by the National Association of Schools of Art and Design
HAMMOND HALL

Department Head: Groover

Professors: Gee, Groover, Osterbind, Shaw

Associate Professors: Henricks, Loucks

Assistant Professor: Cadwallader

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 help 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 an art 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, 6 hours of upper level art history, and 21 hours of studio courses numbered 300 or above. A concentration of 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 education and Art Department courses 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 General studies curriculum, 84 hours of approved art courses including 18 hours of art history. Foreign language is recommended to fulfill Fine Arts core requirement. A student must meet minimum requirements for admission to B.F.A. candidacy and must formally apply for candidacy after these requirements have been met. These minimum requirements include completion of ART 111, 112, 134, 233, 234, 240, and completion of at least 12 hours of general education requirements. 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 education and Art Department course requirements.

A **MINOR IN ART** consists of 21 hours of approved Art Courses which include Art Fundamentals (12 hrs.) 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 chosen 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 expected to have completed ART 134, 234, 233, 240, and a portfolio review before enrolling in 400 level studio classes.

BACHELOR OF ARTS MAJOR: ART

The Bachelor of Arts and the Bachelor of Fine Arts degree offered by the Department of Art requires an overall minimum of 128 semester hours comprised of the following sub-requirements. A minimum of 12 hours 300/400 level courses at JSU in the major, a minimum of 6 hours 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 a "C" or better in each of his/her major and minor courses.

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
Natural Science	4	Natural Science	4
Soc./Behavioral S.	3	Math (102+)	3
ART 134	3	ART 234	3
ART 233	3	ART 240	3
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	3
History	3	Fine Arts	3
Studio	3	ART HY 112	3
ART HY 111	3	Studio	3
Minor/Electives	3	Minor/Electives	3
	<hr/> 15		<hr/> 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	3	ART HY	3
Studio	3	Studio	3
Minor/Electives	3	Minor/Electives	3
Minor/Electives	3	Minor/Electives	3
	<hr/> 18		<hr/> 18

SENIOR YEAR

Fall		Spring	
Minor/Electives	3	Minor/Electives	3
Minor/Electives	3	Senior Seminar	3
Studio	3	Studio	3
Studio	3	Minor/Electives	3
Minor/Electives	3	Minor/Electives	3
	<hr/> 15		<hr/> 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 (102 +)	3
ART 134	3	ART 234	3
ART 233	3	ART 240	3
	16		16

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	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	
Social/Behavioral S.	3	Elective	3
Fine Arts	3	Social/Behavioral Sc.	3
ART HY	3	ART HY	3
Studio	3	Studio	3
Studio	3	Studio	3
Studio	3	Studio	3
	18		18

SENIOR YEAR

Fall		Spring	
Humanities	3	ART HY	3
ART HY	3	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. Formerly Art 371.
- 112. Survey of Western Art II (3).** A study of the major visual arts from the Renaissance to the Contemporary World. Formerly Art 372.
- 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. Formerly Art 301.

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. Lab fee.
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. Introduction to illustration and typography.
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).** *Prerequisite:* Art 233. 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. Lab fee.
369. **Beginning Photography (3).** Introduction to basic black and white photography and darkroom techniques with emphasis on aesthetic qualities of photography.
374. **Art History II (3).** *Prerequisites:* 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:* 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.
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. Advanced 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 approach 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. Lab fee.
410. **Ceramics III (3).** *Prerequisite:* Art 409. Further advanced problems in ceramics.
413. **Advanced Ceramics IV (3).** *Prerequisites:* Art 409 and 410. The study of advanced aesthetic and technical skills in ceramics. The emphasis will be on the student's individual approach and originality. Lab fee.
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 234, 240, 329. Advanced problems in commercial design and computer graphics.
430. **Graphic Design III (3).** *Prerequisite:* Art 429. Further advanced problems in commercial design and computer graphics.
431. **Advanced Graphic Design IV (3).** *Prerequisites:* Art 429 and 430. Advanced problems in advertising and publication design utilizing computer graphics. Emphasis will be on the development of the individual approach and originality.
450. **Art Theory (3).** *Prerequisite:* 3 hours of 300 level Art History. An investigation of the theoretical background associated with artistic production. Formerly Art 373.
462. **Printmaking II (3).** *Prerequisite:* Art 362. Advanced problems in printmaking.
463. **Printmaking III (3).** *Prerequisite:* 462. Further advanced problems in printmaking.
464. **Advanced Printmaking IV (3).** *Prerequisites:* Art 462 and 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. 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 369, 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.
479. **Independent Study in Art History (3).** *Prerequisite:* Permission of instructor and department head. 12 hours (300+) of Art History. Must be coordinated by instructor.
481. **Internship Commercial Design (3).** *Prerequisites:* Art 329, 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 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 current 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).**
Prerequisite: 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, with permission of Department Head.
- 499. Senior Seminar and Exhibit (3).** *Prerequisite: Senior standing.* Senior seminar and exhibit is 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)

108 AYERS HALL

William Bowen: Department Head

Professors: Benton, Bowen, Debro, Olander, Romano, Whetstone

Associate Professors: Al Hamdani, Cline

Assistant Professor: Durrant, Rayburn, Sauterer

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 undergraduate research in the biological sciences.

The Bachelor of Science degree with a Major in Biology is offered by the Department. This degree program requires an overall minimum of 128 sem hrs and includes 41 hours of state articulated general studies courses and a minimum of 52 hours of 300/400 courses. The Major in biology requires a minimum of 35 sem hrs in biology and 23 hrs in supporting courses. It also requires an approved Minor of 18 hrs or more in a related field. Hours taken for a Minor may not duplicate those taken for the Major. At least 12 hrs 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 hrs overall and 52 hrs of 300/400 will be classified as electives. A student must earn a 2.0 GPA overall and on campus. After completing a common core of biology courses, the Major may choose a concentration from the Program listing below.

The Program in 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, forest or park management, or as a naturalist.

The Program in 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 Program in PreProfessional Biology is designed for those majors who intend to seek graduate study in health professions such as medicine, physical therapy, etc., or the biomedical sciences.

The Program in 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, conservation biology or as a naturalist.

The Department also offers a Minor in Biology or Special Studies and provides courses in biology for the Bachelor of Science in Education degree program with a major field in biology.

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. New students should consult the Department's freshman advisor before or during their first semester.

Transfer students should meet with either the Department's transfer or a program advisor before or immediately on transfer.

To complete the Biology Degree Program, the major must plan carefully since science laboratories can cause scheduling conflicts. An adviser can alert you to potential problems and assist you in minimizing such conflicts. It is also recommended that the Biology Major complete chemistry, and/or physics, and the biology core of genetics, cell biology and ecology early in their course of study. Careful planning will facilitate the opportunity for undergraduate research.

Additional advising and career information is available on the Internet at www.jsu.edu/depart/biol.

The Major in Biology

The requirements in biology for the Major are:

- a. Freshman Biology Sequence: BY 101, 102, 103 and 104 8 hrs
2. Biology Core Courses: BY 322 (Genetics), BY 332 (Ecology)
and BY 373 (Cell Biology) 9 hrs
3. Undergraduate research in Biology: BY 370 1 hr
- d. Advanced Topics in Biology: BY 480 or 481 1 hr
- e. Biology courses to be selected from each of the following groups:
 - Group I — Approved courses in physiological or
developmental biology 3-4 hrs
 - Group II — Approved courses in organismal biology 3-16 hrs
6. Other requirements and/or electives: 0-10 hrs
- TOTAL hours in Biology** 35-39 hrs
7. Required support courses 17-23 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 program chosen. All requirements are outlined in the individual "Plan of Study" for each major's chosen Program. The "Plan of Study" follows the "Course Descriptions."

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 7 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 and must include 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 your Biology Program advisor for assistance with this minor.

DESCRIPTION OF COURSES (BY)

BIOLOGY (BY)

101. **Introductory Biology I (3).** *Corerequisite:* BY 103. An introduction to chemical, physical, and cellular organization of organisms and their origins and classification. Viruses, Monerans, Protistans, Fungi and Plants are surveyed. This course is intended for biology majors and non-majors.
102. **Introductory Biology II (3).** *Prerequisite:* BY 101. *Corerequisite:* BY 104. An introduction to physiology, genetics, evolution, and ecology. Kingdom Animalia is surveyed. This course is intended for biology majors and non-majors.
103. **Introductory Biology Lab I (1).** *Corerequisite:* 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. *Corerequisite:* BY 102. One two-hour laboratory per week. This course reinforces lecture material and must be taken concurrently with BY 102.
263. **Human Anatomy and Physiology (3).** 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 (3).** *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 (3).** *Prerequisite:* BY 101, 103 or equivalent. 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.
293. **Fundamentals of Horticulture (3).** *Prerequisites:* BY 101, 102, 103, 104. Lecture and laboratory. The culture of common garden and house plants.
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 (3).** *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).** (Grade of Pass/Fail Only). May be duplicated for credit for a total of three (3) semester hours. *Prerequisite:* one of the core biology courses, BY 322, 332, 373. *Recommended:* BY 370. A laboratory, field or library research investigation dealing with an aspect of the biological sciences. Biology sponsor required for topic approval and supervision.
332. **Ecology (3).** *Prerequisites:* BY 101, 102, 103, 104. *Prerequisite or corerequisite:* MS 102 or higher. Lecture, laboratory, and field study. The association and distribution of organisms in relation to the major environmental factors.
342. **General Entomology (4).** *Prerequisites:* BY 101, 102, 103, 104. Lecture, laboratory, and field study. Orders and families of insects with emphasis on collection, identification, morphology and ecology.
360. **Pathophysiology (3).** *Prerequisites:* BY 263, 264 or equivalent; CY 164. Lecture and demonstration. The physiology of disordered function. No credit allowed toward biology major or minor requirements.
370. **Introduction to Research in Biology (1).** *Prerequisites:* BY 322, 332, 373. Lecture and discussion. An introduction to research methodology in biology and development of a proposal for undergraduate research with a faculty sponsor.
373. **Cell Biology (3).** *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).** (Grade of Pass/Fail only). May be duplicated for credit for a total of three (3) semester hours. Prerequisites: BY 101, 102, 103, 104; either BY 322, 332 or 373; and permission of instructor required. The student will spend a minimum of 25 hours gaining practical experience at a public or private institution or business.
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.
402. **Medical Microbiology (4).** *Prerequisite:* BY 283 with permission of the instructor or 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 (4).** *Prerequisite:* BY 373. *Recommended:* BY 323. Lecture and laboratory. 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.
419. **Biology of Algae (4).** *Prerequisites:* BY 322, 373. Lecture, laboratory, field and library study. The study of freshwater algae in northeast Alabama. Extensive field and laboratory identification and research project.
429. **Biology of Fungi (4).** *Prerequisites:* BY 332, 373. Lecture, laboratory, field and library study. The study of slime molds and true fungi in northeast Alabama. Extensive field and laboratory identification and research project.
421. **Biology of Bryophytes and Lichens (4).** *Prerequisites:* BY 332, 373. Lecture, laboratory, field and library study. The study of the mosses, liverworts, hornworts, and lichens in northeast Alabama. Extensive field and laboratory identification and research project.
427. **Independent Studies in Biology (1).** (Grade of Pass/Fail Only). May be duplicated for credit for a total of three (3) semester hours. *Prerequisite:* BY 370. A laboratory or field research project dealing with an aspect of the biological sciences. Biology sponsor required for topic approval and supervision.
431. **Cellular Physiology (4).** *Prerequisites:* BY 373; CY 105, 106, 107, 108. *Recommended:* CY 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, 431; CY 105, 106, 107, 108. *Recommended:* CY 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.
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.
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.
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.
473. **Cell Biology (3).** *Prerequisites:* BY 101, 102, 103, 104. *Recommended:* BY 322, CY 231, 232, 362, 363. Lecture and laboratory. A study of molecular and submicroscopic structure of cells and their functional roles.
475. **Economic Botany (3).** *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.
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. Formerly BY 304.
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. **Education Laboratory Practicum (2).** *Prerequisites:* BY 322, 332, 373 and permission of the instructor. Lecture and laboratories. The design, organization, and implementation of laboratory exercises, the use and care of equipment and instructional materials, and laboratory safety and supervision. Credit allowed for B.S. Ed. in biology majors only.
489. **Laboratory Practicum (2).** (Grade of Pass/Fail only). *Prerequisites:* BY 322, 332 or 373, and permission of the instructor. The organization and implementation of laboratories including the use of appropriate equipment and instructional materials. Credit allowed for biology majors only.

MARINE BIOLOGY (MBY)

Courses in marine biology (MBY) are offered only at the Sea Lab of the Marine Environmental Sciences Consortium located on Dauphin Island. MBY 100 (Ocean Science) may be taken for elective credit towards graduation but will not count towards any major or minor offered by the Department. Special fees, tuition and course availability are determined by the Sea Lab and MESC.

Students interested in either the B.S. in Biology with an emphasis in marine biology or MBY courses for elective credit should consult with the Marine Biology Program advisor in the Department of Biology for information about the program, new courses not listed below, JSU Sea Lab scholarships, application and registration.

COURSE DESCRIPTIONS (MBY)

100. **Ocean Science (4).** An introduction to the study of the oceans; their physical and chemical parameters, the life within them and their relationship to man. No prerequisite. No credit allowed toward biology major or minor requirements.
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 or Marine Biology would be very helpful. Individual species will be studied as they relate to ecological principles which they exemplify, this providing both a taxonomic and ecologic background.
412. **Coastal Ornithology (4).** *Prerequisites:* BY 101, 102, 103, 104. Study of coastal and pelagic birds with emphasis on ecology, taxonomy, and distribution. This course includes: identification, population dynamics, and behavior of coastal birds. Lecture, laboratory, and overnight trips to offshore island.
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).** *Prerequisite:* Advanced standing in biology. This course provides an in-depth exposure to the complexities and values of the estuarine ecosystem.
418. **The Behavior of Marine Animals (4).** *Prerequisites:* BY 101, 102, 103, 104. This course will explore the basic techniques, underlying principles, and major findings of ethology as they relate to the study of marine organisms.
423. **Salt Marsh Ecology (4).** *Prerequisite:* Advanced undergraduate standing in biology. A study of the floral and faunal elements of various marine marsh communities. Interaction of physical and biological factors will be emphasized. The course is structured to provide actual field experience in addition to lecture material. Trips will be scheduled to acquaint students with regional examples of marsh types.
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, shipboard and specific practical skills developed.
435. **Coastal Zone Management (2).** *Prerequisite:* Advanced undergraduate standing. Review of ecological features and a set of physical management policies for coastal communities and a description of relevant federal and state programs.
440. **Marine Biology for Teachers (6).** *Prerequisites:* BY 101, 102, 103, 104. A general survey of marine plants, invertebrates, and vertebrates; the communities they form and the physical and chemical factors which influence their lives. A second component will cover materials and methods of instruction on marine topics.
443. **Marine Systems Ecology (4).** The study of holistic characteristics, structure, function and performance of marine and estuarine ecological systems including interactions with systems of man. *Prerequisites:* Advanced undergraduate standing in Biology or Environmental Engineering. A Basic or Fortran programming course or experience. Strongly recommended: Calculus background, preferably through differential equations.
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: GY 329 Coastal Climatology, GL 390 Marine Geology, GL 450 Recent Marine Sedimentation, and GL 445 Marine Paleogeology. Descriptions of these courses are listed under the Department of Physical and Earth Sciences.

**BACHELOR OF SCIENCE
MAJOR: BIOLOGY
PLANS of STUDY**

I. Suggested Plan of Study: PROGRAM 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
HY sequence	3	HY sequence ¹	3
MS 102 or higher	3	CS 201 or higher	3
Wellness ²	3	Social/Behavioral Science ³	3
	16		16

SOPHOMORE YEAR

Fall		Spring	
EH literature ⁴	3	EH literature ⁴	3
CY 105	3	CY 106	3
CY 107	1	CY 108	1
Social/Behavioral Science ³	3	MS Elective ⁵	3
Fine Arts ⁶	3	EH 141	3
Elective ⁷	3	Elective ⁷	3
	16		16

JUNIOR YEAR

Fall		Spring	
BY Core ⁸	6	BY Core ⁸	3
BY 370	1	BY 480 or 481	1
BY or Minor Electives ⁹	9	BY or Minor Electives ⁹	12
	16		16

SENIOR YEAR

Fall		Spring	
BY Group I ¹⁰	4	BY Group II ¹¹	3-4
BY or Minor Electives ⁹	12	BY or Minor Electives ⁹	13-12
	16		16

¹Select from HY 101/102 or 201/202

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

³Select from AN 224, EC 222, GY 120, PSC 100, PSY 201 or SY 221, GY 220, PSY 222

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

⁵Recommended elective: MS 204

⁶Select from ART 202 or MU 233, DR 242 or FL 101

⁷Recommended electives: CY 231, 232, GY 250, 251, GL 241

⁸Select from BY 322, 332, or 373

⁹Most electives must be 300/400 level; Some electives in this program are available only during the summer terms. See advisor.

¹⁰For Group I, select from BY 412, 413, 431, 434 or 479

¹¹For Group II, select from BY 301, 302, 320, 323, 342, 406, 407, 452, 453, 458, 475, or 476

For the Program in ECOLOGY/ENVIRONMENTAL BIOLOGY:

Minimum hours in biology: 35-37

Minimum hrs of biology electives: 0-10 hrs

TOTAL HOURS 128

II. Suggested Plan of Study: PROGRAM IN MARINE BIOLOGY**FRESHMAN YEAR**

Fall		Spring	
EH 101	3	EH 102	3
BY 101	3	BY 102	3
BY 103	1	BY 104	1
HY sequence ¹	3	HY sequence ¹	3
Social/Behavioral Science ²	3	Social/Behavioral Science ²	3
MS 102 or higher	3	CS 201 or higher	3
<hr/>		<hr/>	
16		16	

SOPHOMORE YEAR

Fall		Spring	
EH literature ³	3	EH literature ³	3
CY 105	3	CY 106	3
CY 107	1	CY 108	1
EH 141	3	PHS 201 ⁴	3
MS Elective ⁵	3	PHS 211L ⁴	1
Fine Arts ⁶	3	Minor/elective ⁷	3
<hr/>		<hr/>	
16		14	

JUNIOR YEAR

Fall		Spring	
BY Core ⁸	6	BY Core ⁸	3
BY or Minor Electives ⁹	6	BY 370	1
BY 480/481	1		
BY or Minor Electives ⁹	7		
<hr/>		<hr/>	
12		12	

**SUMMER I at Dauphin Island Sea Lab
(Between junior and senior years)**

BY Group II: MBY 486 ¹⁰	4
BY Group II: MBY 487 ¹⁰	4
<hr/>	
8	

SENIOR YEAR

Fall		Spring	
BY Group I ¹¹	4	BY or Minor Electives ⁹	13
BY or Minor Electives ⁹	9		
<hr/>		<hr/>	
13		13	

**SUMMER II at Dauphin Island Sea Lab
(After Senior Year)**

BY Group II: MBY 411 ¹⁰	4
BY Group II: MBY 414 ¹⁰	4
<hr/>	
8	

¹Select from HY 101/102 or 201/202²Select from AN 224, EC 222, GY 120, PSC 100, PSY 201 or SY 221, GY 220, PSY 222³Select 2 from EH 201, 202, 203, 204, 219, 220, 231 or 232⁴Student may elect to take calculus based PHS 211 in place of PHS 201⁵Recommended MS elective: MS 204

⁶Select from ART 202, MU 233, DR 242 or FL 101

⁷Recommended elective: CY 231, 232, MS 141

⁸Select from BY 322, 332, or 373

⁹Most electives must be taken at the 300/400 level

¹⁰For Group II courses, MBY 411, 415, 486, and 487 are all required and are offered only in residence at Dauphin Island Sea Lab

¹¹For Group I courses, select from BY 412, 413, 431, 434, or 479

Also recommended: CY 231, 232, 141, 204, or higher mathematics.

For the Program in MARINE BIOLOGY:

Minimum hours in biology: 38-39.

Minimum hours of biology electives: 0

TOTAL HOURS: 128

III. Suggested Plan of Study: PROGRAM IN PRE-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 102 or higher	3	MS elective ²	3
CS 201 or higher	3		
	<hr/> 17		<hr/> 14

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
Social/Behavioral Science ⁵	3	Social/Behavioral Science ⁵	3
PHS 201 ⁶	3	EH 141	3
	<hr/> 16		<hr/> 16

JUNIOR YEAR

Fall		Spring	
BY Core ⁷	6	BY Core ⁷	3
BY 370	1	PHS 202 ⁸	3
BY 480 or 481	1	Fine Arts ¹	3
BY or Minor Electives ⁹	9	BY Group I ¹⁰	4
BY or Minor Electives ⁹	3		
	<hr/> 17		<hr/> 16

SENIOR YEAR

Fall		Spring	
BY Group II ¹¹	4	BY or Minor Electives ⁹	15
BY or Minor Electives ⁸	13		
	<hr/> 17		<hr/> 15

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

²Recommended elective: MS 141 or higher

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

⁴Select from HY 101/102 or 201/202

⁵Select from AN 224, EC 222, GY 120, PSC 100, PSY 201 or SY 221, GY 220, PSY 222

⁶Student may elect to take calculus-based PHS 211 in place of PHS 201; PHS 211L also recommended

⁷Select from BY 322, 332, or 373

⁸Student may elect to take calculus-based PHS 212 in place of PHS 202; highly recommended PHS 212L

⁹Most electives must be taken at the 300/400 level

¹⁰For Group I course, select from: BY 403, 413, 431, 434 or 450

¹¹For Group II course, select from: BY 320, 323, or 402.

Also recommended: CY 362

For the Program in PREPROFESSIONAL BIOLOGY:

Minimum hours in biology: 35-37

Minimum hours in biology electives: 10

TOTAL HOURS 128

IV. Suggested Plan of Study: PROGRAM 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
HY sequence ¹	3	HY sequence ¹	3
MS 102 or higher	3	Social/Behavioral Science ²	3
CS 201 or higher	3	EH 141	3
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
EH literature ³	3	EH literature ³	3
CY 105	3	CY 106	3
CY 107	1	CY 108	1
Social/Behavioral Science ²	3	MS Elective	3
Fine Arts ⁴	3	Wellness ⁵	3
Elective ⁶	3	Elective ⁶	3
	<hr/> 16		<hr/> 16

JUNIOR YEAR

Fall		Spring	
BY Core ⁷	6	BY Core ⁷	3
BY 370	1	BY or Minor Electives ⁸	12
BY or Minor Electives ⁸	9	BY 480 or 481	1
	<hr/> 16		<hr/> 16

SENIOR YEAR

Fall		Spring	
BY Group I ⁹	4	BY Group II ¹⁰	4
BY or Minor Electives ⁸	12	BY or Minor Electives ⁸	12
	<hr/> 16		<hr/> 16

¹Select from HY 101/102 or 201/202

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

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

⁴Select from ART 202, MU 233, DR 242 or FL 101

⁵Select from MSC 113, 115, 116, FCS 215 or PE 109

⁶Recommended electives: CY 231, 232, GY 250, 251 or GL 241

⁷Select from BY 322, 332, or 373

⁸Most electives must be taken at the 300/400 level

⁹For Group I courses, select from: BY 403, 413, 431 or 434

¹⁰For Group II courses, select from: BY 320, 342, 406, 407, 458, or 476

Also recommended: CY 231, CY 232; MS 204.

For the Program in ANIMAL BIOLOGY:

Minimum hours in biology: 35-37.

Minimum hours in biology electives: 10

TOTAL HOURS: 128**V. Suggested Plan of Study: PROGRAM IN PLANT BIOLOGY****FRESHMAN YEAR**

Fall		Spring	
EH 101	3	EH 102	3
BY 101	3	BY 102	3
BY 103	1	BY 104	1
HY sequence ¹	3	HY sequence ¹	3
MS 102 or higher	3	Social/Behavioral Science ²	3
CS 201 or higher	3	EH 141	3
<hr/>		<hr/>	
16		16	

SOPHOMORE YEAR

Fall		Spring	
EH literature ³	3	EH literature ³	3
CY 105	3	CY 106	3
CY 107	1	CY 108	1
Social/Behavioral Science ²	3	MS Elective	3
Fine Arts ⁴	3	Wellness ⁵	3
Elective ⁶	3	Elective ⁶	3
<hr/>		<hr/>	
16		16	

JUNIOR YEAR

Fall		Spring	
BY Core ⁷	6	BY Core ⁷	3
BY 370	1	BY or Minor Electives ⁸	12
BY or Minor Electives ⁸	9	BY 480 or 481	1
<hr/>		<hr/>	
16		16	

SENIOR YEAR

Fall		Spring	
BY Group I ⁹	4	BY Group II ¹⁰	4
BY or Minor Electives ⁸	12	BY or Minor Electives ⁸	12
<hr/>		<hr/>	
16		16	

¹Select from HY 101/102 or 201/202²Select from AN 224, EC 222, GY 120, PSC 100, PSY 201 or SY 221, GY 220, PSY 222³Select 2 from EH 201, 202, 203, 204, 219, 220, 231 or 232⁴Select from ART 202, MU 233, DR 242 or FL 101⁵Select from MSC 113, 115, 116, FCS 215 or PE 109⁶Recommended electives: GY 250, 251 or GL 241⁷Select from BY 322, 332, or 373⁸Most electives must be taken at the 300/400 level⁹For Group I courses, select from: BY 412, 431 or 479¹⁰For Group II courses, select from: BY 302, 419, 420, 421, 451, 452, 453, or 475

Also recommended: CY 231, CY 232; MS 204.

For the Program in PLANT BIOLOGY:

Minimum hours in biology: 35-37

Minimum hours in biology electives: 10

TOTAL HOURS: 128

**ALBERT P. BREWER DEPARTMENT OF
CRIMINAL JUSTICE****126 BREWER HALL**

Barker: Department Head
Professor: Barker
Associate Professor: Wood
Assistant Professors: Dial, Smith
Instructors: Benson, Symonds

CRIMINAL JUSTICE MAJOR

The Department of Criminal Justice merges the 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 explanation of the various components within the Criminal Justice System. The areas of concentration provide knowledge and skills for future employment and serve as a basis for advanced studies.

ACADEMIC CONCENTRATIONS

Concentration in Corrections. Prepares the student for working with individuals who have been placed under the custody of the correctional system whether in community programs or within institutions. The purpose of corrections is two-fold: (1) To punish those individuals who have committed crimes. And (2) to rehabilitate those same individuals for successful re-entry into society. As a sub-field, the study of Juvenile Justice examines the treatment of juveniles within the Criminal Justice System.

Concentration in Forensic Investigations. Prepares the student for entrance into a career as an investigator and/or crime scene technician. 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. The study of the role and functions of police organizations as agents of social control in a democratic society. This includes an understanding of police history, organizational structure, policies, planning, and coordination between various police organizations. The importance of establishing and maintaining positive and supportive relations with the public is an area of special interest.

Concentration in Security Administration. A comprehensive examination of the role of private security in the United States. The student will learn the relationship between private and public protective services, and the role of private security in all aspects of American society (i.e., hotel/motel security, security and loss prevention in industry, contract security services, private investigations, executive protection, alarm services, and general crime prevention). In addition, the student will receive an overview of the basic management and operational skills necessary within the private security field.

PLAN OF STUDY

The Bachelor of Science degree offered by the department of Criminal Justice requires an overall minimum of 128 hours comprised of the following sub-requirements: 42 hour major made up of 21 hours of Criminal Justice Core Courses, 21 hours in the selected Criminal Justice concentration including 12 hours of 300/400 level courses at JSU, a minor with at least 6 hours of 300/400 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. Any hours needed to complete the 52 hours of 300/400 level requirement or 128 hours will be considered electives. A student must earn a "C" or better in each of his/her required major and minor courses and maintain a 2.00 GPA overall and on campus.

In addition, CJ majors are required to take PSC 100, SY 221, PSY 201, and CS 201. Students who have taken research methods in Political Science, Psychology, or Sociology may substitute another CJ course in lieu of CJ 302 Research Methods.

Department of Criminal Justice Core Curriculum

21 hours required for all CJ majors.

CJ 101	Introduction to Criminal Justice	3 hours
CJ 200	Introduction to Corrections	3 hours
CJ 202	Introduction to Law Enforcement	3 hours
FI 201	Introduction to Forensic Investigations	
SA 203	or Introduction to Security*	3 hours
CJ 300	Theories of Crime Causation	3 hours
CJ 301	Criminal Law I	3 hours
CJ 302	Research Methods	3 hours

Corrections Concentration 21 hours.

COR 310	The Correctional Institution	3 hours
COR 315	Community-Based Corrections	3 hours
COR 322	Juvenile Agencies	3 hours
	+ 12 hours of COR electives or SW 333, SW 336, and/or SW 337	

Forensic Investigations Concentration 21 hours.

FI 201	Introduction to Forensic Investigations	3 hours
FI 430	Criminalistics	3 hours
FI 463	Advanced Crime Scene Processing	3 hours
	+ 12 hours of FI electives	

Law Enforcement Concentration 21 hours.

LE 370	Police Administration	3 hours
LE 402	Police and Community Relations	3 hours
LE 460	Criminal Investigations	3 hours
	+ 12 hours of LE electives	

Security Administration Concentration 21 hours.

SA 203	Introduction to Security	3 hours
SA 395	Crime Prevention	3 hours
SA 406	Retail Security	3 hours
	+ 12 hours of SA electives	

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

MINORS

Department of Criminal Justice students who have completed the core curriculum and a concentration have met the requirements for a major in Criminal Justice. By completing the requirements in an additional CJ concentration, the student may obtain a minor in that area, or they may obtain a minor outside the college.

Students from outside the Department of Criminal Justice may minor in any of the following: Criminal Justice, Law Enforcement, Corrections, Forensic Investigations, or Security Administration by completing the 21 hours in that concentration.

Students from outside the Department of Criminal Justice who minor in Law Enforcement, Corrections, Forensic Investigations or Security Administration must take CJ 101 and the introductory course for their minor (CJ 200, CJ 202, FI 201 or SA 203) in addition to the courses displayed within each concentration.

Students from outside the Department of Criminal Justice who are minoring in Criminal Justice must take the courses displayed within the CJ core curriculum with the exception of CJ 302 Research Methods.

**BACHELOR OF SCIENCE
MAJOR: CRIMINAL JUSTICE**

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY Sequence	3	HY Sequence	3
Natural Science	4	Natural Science	4
CJ 101, Intro	3	CJ 200, Intro Corr.	3
Fine Arts Elective	3	MS Elective	3
Math 102	3		
			16

16

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	3
Eh 141	3	Fine Arts	3
SY 221, Prin	3	PSY 201, Prin	3
CJ 202, Intro LE	3	FI 201 or SA 203	3
CS 201, Intro to DP	3	CJ 300, Theory	3
Elective	2		
			15

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JUNIOR YEAR

Fall		Spring	
CJ 301, Crim Law	3	Concentration (COR, FI, LE, SA)	6
CJ 302, Research	3	Minor/Electives 300+	9
PSC 100, Am Govt	3		
Concentration (COR, FI, LE, SA)	6		15
General Electives/Minor	2		

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SENIOR YEAR

Fall		Spring	
Concentration (COR, FI, LE, SA)	6	Concentration (COR, FI, LE, SA)	3
Minor/Electives 300+	11	Minor/Electives 300+	12

17

15

TOTAL HOURS: 128

DESCRIPTION OF COURSES

CRIMINAL JUSTICE (CJ)

Core Courses:

101. **Intro 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.
200. **Introduction to Corrections (3).** *Prerequisite: CJ 101.* Philosophical foundations of punishments, historical developments in American penology. Corrections in contemporary America.
202. **Intro to Law Enforcement (3).** *Prerequisite: CJ 101.* The development of contemporary American Police. Law enforcement role, philosophy, values, culture, discretion, organizational control, accountability, corruption, misconduct, police-community relations, and future trends.

- 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.

Courses which may count as electives toward any one concentration:

- 325. **Criminal Courts (3).** 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.
- 352. **Evidence (3).** *Prerequisite: CJ 101.* 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.
- 361. **Constitutional Law (3).** *Prerequisite: CJ 101.* Analysis of the Constitution of the United States as it effects the law enforcement and corrections field to wit: the 1st, 4th, 5th, 6th, and 8th Amendments to the Constitution.
- 362. **Constitutional Law II (3).** *Prerequisite: CJ 101, 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.
- 411. **Victimless Crimes (3).** 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 & Deviant Behavior (3).** An analysis of criminal and deviant behavior systems with an emphasis on classical and contemporary theories of crime causation.
- 466. **Drugs of Abuse (3).** Drugs of abuse, their field identification and drug abuse education.
- 488. **Seminar Series (1).** Seminar series dealing with current topics and issues in the field. (Pass-Fail Grade Only) May be duplicated for credit for a total of six (6) semester hours.

LAW ENFORCEMENT (LE)

COR 322. The Juvenile Agencies (3). See description under corrections.

- 363. **Foundations of Law Enforcement (3).** An examination of the foundations of American law enforcement from its cultural heritage in England to the present.
- 370. **Police Administration (3).** *Prerequisite: CJ 101.* Organizational structure and coordination of all branches of law enforcement agencies; police, staff, and auxiliary function, their interrelationships and interdependence.
- 376. **Traffic Control (3).** *Prerequisite: CJ 101.* The traffic control function as a part of police role; history and growth of the traffic problem; analysis of the organization for traffic control; accident investigation; traffic flow pattern; education and enforcement; traffic laws; high accident frequency locations.
- 380. **Patrol Procedure and Communication (3).** *Prerequisite: CJ 101.* Techniques of patrol and observation; handling complaints and called-for-service; mechanics of arrests; officer's notebook procedure and report writing.

SA 395. Crime Prevention (3). See description under Security Administration.

402. **Police and Community Relations (3).** *Prerequisite:* CJ 101. Study of the numerous and complex factors involved in the area of human relations as it affects policing and police management.
460. **Criminal Investigations (3).** *Prerequisites:* CJ 101, CJ 301. Practical application of investigative techniques for specific crimes such as sex offenses, murder, robbery, arson, assaults, and fraud cases.

FI 464. **Interviews/Interrogations (3).** See description under Forensic Investigations.

- 471, 472. **Law Enforcement Internship (3) (3).** *Prerequisites:* Junior standing, CJ 101, LE 370, 402, 460 and consent of instructor. Supervised work experience in law enforcement. The student is required to attend a preannounced orientation one semester prior to internship and be approved by department internship committee. No more than 5 will be approved per semester. (Not open to in-service personnel or those with prior CJ work experience.)
482. **Independent Study (1).** An opportunity for the student with advanced standing to explore areas of special interest. Student seeking admission must be specializing in Law Enforcement, have advanced standing and secure approval of CJ Department Independent Study Committee. The student's independent study plan must be submitted one semester prior to registration. May be duplicated for credit for a total of three (3) semester hours.
485. **Advanced Seminar in LE (3).** An examination of current issues in Law Enforcement. The content 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 nine (9) semester hours.

CORRECTIONS (COR)

310. **The Correctional Institution (3).** *Prerequisite:* CJ 200. An examination of the nature and impact of the correctional institution. Emphasis is placed on the social processes and problems occurring within the prison.
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.
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 prerelease, parole, halfway houses, restitution centers, probations, and community correctional centers.
322. **The Juvenile Agencies (3).** *Prerequisites:* CJ 101, 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.
353. **Correctional Law (3).** *Prerequisite:* CJ 200. Legal problems of the convicted from conviction to release; presentence investigation, sentencing, civil rights loss and restoration, and other legal problems confronting the convicted.
- SA 395. **Crime Prevention (3).** See description under Security Administration.
420. **Probation and Parole (3).** *Prerequisites:* CJ 200, COR 311. Development, organization, operation of probation and parole with emphasis on alternatives to incarceration.
425. **Correctional Management (3).** *Prerequisites:* CJ 200, COR 311, 420. An analysis of contemporary theories relating to administrative behavior in the correctional setting.
430. **The Evolution of Correctional Punishment (3).** A survey of the history of correctional punishment with a special emphasis on the relationship between specific forms of punishment and the social structure.
- LE 460. **Criminal Investigations (3).** See description under Law Enforcement.

- FI 464. Interviews/Interrogations (3).** See description under Forensic Investigations.
- 473, 474. Corrections Internship (3) (3).** *Prerequisites:* Junior standing, CJ 101, 200, COR 310, 420 and consent of the instructor. Supervised work experience in Corrections. The student is required to attend a preannounced orientation one semester prior to internship and be approved by a department internship committee. No more than 5 will be approved per semester. (Not open to in-service personnel or those with prior CJ work experience.)
- 482. Independent Study (1).** An opportunity for the student with advanced standing to explore areas of special interest. Students seeking admission must be specializing in Corrections, have advanced standing and secure approval of CJ Department Independent Study Committee. The student's independent study plan must be submitted one semester prior to registration. May be duplicated for credit for a total of three (3) semester hours.
- 485. Advanced Seminar in Corrections (3).** An examination of current issues in corrections. The content 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 nine (9) semester hours.

FORENSIC INVESTIGATIONS (FI)

- 201. Intro to Forensic Investigations (3).** 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.
- 430. Criminalistics (3).** *Prerequisite:* FI 201. 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:* FI 201. Special problems involved in homicide investigation including the forensic autopsy.
- SA 395. Crime Prevention (3).** See description under Security Administration.
- LE 460. Criminal Investigations (3).** See description under Law Enforcement.
- 463. Crime Scene Processing (3).** *Prerequisite:* FI 201. 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/Interrogations (3).** *Prerequisite:* CJ 101. Discussions and practical exercises covering the various techniques used by criminal justice practitioners to elicit information from witnesses and criminal suspects. May also count for Corrections, Law Enforcement, and Security Administration.
- 466. Trace Evidence (3).** *Prerequisites:* FI 201, 430. Review of techniques used in the analysis of hairs, fibers, and minute items of evidence related to criminal matters.
- 473, 474. Internship (3) (3).** *Prerequisites:* Junior standing, CJ 101, FI 201, 430, 463 and consent of the instructor. Supervised work experience in Forensic Investigations. The student is required to attend a preannounced orientation one semester prior to internship and be approved by a department internship committee. No more than 5 will be approved per semester. (Not open to in-service personnel or those with prior CJ work experience.)
- 482. Independent Study (1).** An opportunity for the student with advanced standing to explore areas of special interest. Students seeking admission must be specializing in Forensic Investigations, have advanced standing and secure approval of CJ Department Independent Study Committee. The student's independent study plan must be submitted one semester prior to registration. May be duplicated for credit for a total of three (3) semester hours.
- 485. Advanced Seminar (3).** An in-depth study of current issues in forensic investigations. The content will vary each semester. Instructor approval required for admission. May be duplicated for credit for a total of nine (9) semester hours.

SECURITY ADMINISTRATION (SA)

203. **Introduction to Security (3).** A study of the private industry including: origins, administration, personnel, physical aspects, loss prevention, variations in security systems, and career opportunities.
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. May also count for Corrections, Law Enforcement, and Forensic Investigations.
400. **Protective Systems (3).** *Prerequisite:* SA 203. The criminal threat, protective system concept; systems configuration and cost benefit analysis of currently available protective systems.
406. **Retail Security (3).** *Prerequisite:* SA 203. Employee thefts, shoplifting, robbery, burglary, shortages, special fire problems, insurance recovery.
- LE 460. **Criminal Investigations (3).** See description under Law Enforcement.
462. **Executive Protection (3).** A practical and in-depth examination of the fundamentals of personal protection for high-visibility, controversial, or threatened persons, including movement formations, route reconnaissance, etc.
- FI 464. **Interviews/Interrogations (3).** See description under Forensic Investigations.
- 471, 472. **Internship (3) (3).** *Prerequisites:* Junior standing, CJ 101, SA 203, 395, 406 and consent of the instructor. Supervised work experience in Security Administration. The student is required to attend a preannounced orientation one semester prior to internship and be approved by a department internship committee. (Not open to in-service personnel or those with prior CJ work experience.)
482. **Independent Study (1).** An opportunity for the student with advanced standing to explore areas of special interest. Students seeking admission must be specializing in Security Administration, have advanced standing and secure approval of CJ Department Independent Study Committee. The student's independent study plan must be submitted one semester prior to registration. May be duplicated for credit for a total of three (3) semester hours.
485. **Advanced Seminar (3).** An in-depth study of current issues in Security Administration. The content will vary each semester. Instructor approval required for admission. May be duplicated for credit for a total of nine (9) semester hours.

DEPARTMENT OF DRAMA (DR)**342 STONE CENTER****Accredited by the National Association of Schools of Theatre**

Ward: Department Head
Professors: Claeren, Ward
Associate Professor: Clements
Assistant Professor: McCain

The Bachelor of Arts degree offered by the Drama Department requires an overall minimum of 128 semester hours comprised of the following sub-requirements: 43 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, 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 his/her major and minor courses and a 2.00 GPA overall and on campus.

Requirements for a Bachelor of Arts in Drama: A minimum of forty-three hours, which must include Drama 241, 242, 250, 284, 290, 350, 361, 362, 388, 450, 463, and 490, six hours from the following: 285, 287, 288, 342, and 386 and 486, EH 373, EH 410, and EH 403 or 404. Refer to plan of study following Drama course descriptions.

Requirements for a minor in drama: A minimum of twenty-one hours, which must include DR 241, 242, 250, 284, 350, 450, 361, 362, and three hours of approved 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 particular area of specialization: acting/directing; design/technical; management; or theatre education. Annual assessment on each student will be conducted.

DESCRIPTION OF COURSES

241. **Acting (3).** Training for the actor in the body and the voice. Mime, oral, exercises, improvisations, and selected scenes. (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, playwriting, and audience participation. (Fall, Spring, May, Summer I.)
- 250, 350, 450. **Student's Theatre (1) (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).** 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.
- 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.)
285. **Theatrical Design I (3).** Principles and problems of staging in arena, thrust, proscenium, and flexible theatres. Designs for settings of plays in models and perspective rendering. (Formerly DR 385). (Fall.)
- 287, 288. **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)
290. **Speech for the Performing Arts (3).** A course designed to improve diction, pronunciation, accent, reading and intonation. (Fall) (Formerly 390)
342. **Directing (3).** *Prerequisites:* Drama 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.)
351. **Playwriting (3).** *Prerequisite:* Drama 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.
383. **Puppetry (3).** Scope and development of puppetry throughout the world. Practical experience in the design, making, and performing puppets. (Offered infrequently.)
386. **Stage Lighting (3).** Principles and problems of lighting for mood and effect in play production. (Spring.)
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 Effects for the Performing Arts (3).** Production and design of sound effects, microphone selection and placement, recording techniques and equipment. (Offered infrequently.)
391. **Scene Painting (3).** Techniques of scene painting to include drop painting, perspective illusion, lighting consideration, budget and equipment. (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 (3) credits may be applied toward any major or minor. Infrequently scheduled, and subject to minimum and maximum numbers. Advanced deposit required.
441. **Acting II (3).** Advanced acting scenes and problems of various periods. (Spring.) *Prerequisites:* DR 241 and DR 290.
443. **Oral Interpretation (3).** Development of skill in reading aloud. Study of the methods used to convey the intellectual, emotional, and aesthetic values of literature to an audience. (Offered infrequently.)
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. (Offered infrequently.)
463. **Dramatic Theory (3).** An investigation into the major theories of drama from Aristotle to the present. Extensive reading of playscripts as well as analytical works. (Fall.)
464. **Dramatic Criticism (3).** An examination of the aesthetics and function of dramatic criticism as well as the work of practicing critics. Application of critical principles through reviewing theatrical performances. (Offered in alternate years, Spring)
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. (Spring.)
475. **Special Problems in Drama (3).** *Prerequisites:* Successful completion of 24 hours of drama or enrolled in Language Arts. Individually designed and supervised research projects or production assignments. (Each semester.)
486. **Stage Lighting II (3).** Advanced lighting techniques and design problems. *Prerequisite:* Drama 386. (Spring.)

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 makeups. (May.)
490. **Senior Practicum (1).** *Prerequisites:* Senior standing and thirty-six hours in drama. Directed practicum in one of these areas: acting, directing, design, management, technology, or theatre education. (Each semester.)
498. **Costume Techniques II (3).** A continuation of Drama 398. Methods of transforming a costume into a stage costume. Projects in period draping, construction, corseting and trimming. *Prerequisite:* Drama 398. (Fall and Spring.)

BACHELOR OF ARTS**MAJOR: DRAMA****FRESHMAN YEAR**

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY Sequence	3	EH 141, Oral Com.	3
Math 102	3	HY Sequence	3
DR 242, Intro	3	Math, by advisement	3
PSY 201, Intro	3	DR 241, Acting	3
		DR 250, Stu. Theatre	1
	15		16

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Natural Science*	4	Natural Science*	4
DR 284, St Craft	3	Soc/Behav Science	3
DR 290, Sp. Perf.	3	CS 201, Intro/Data Pro.	3
DR 350, Theatre	1	DR 450, Theatre	1
Fine Arts Elective**	3	Elective ****	2
	17		16

JUNIOR YEAR

Fall		Spring	
Elective ****	3	DR 388	3
DR 361, HY	3	DR 362, HY	3
DR Elective ***	3	Minor/Electives	6
Minor/Electives	6	EH 410, Am Drama	3
Ethics or Logic	3		
	18		15

SENIOR YEAR

Fall		Spring	
DR 463	3	Drama Elective***	3
Minor/Electives	9	Minor/Electives	9
EH 373, Cont. Dr.	3	EH 403 or 404	3
	15	DR 490	1
			16

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

*Must be a sequence

**Art 202 or Music 233

***Select from DR 285, 287, 288, 342, 386, 486.

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

DEPARTMENT OF ENGLISH (EH)

215 STONE CENTER

Department Head: Felgar

Professors: Blanton, Felgar, Whitton, Gates, Hug

Associate Professors: Davis, Di Biase

Assistant Professors: Jones, Ostry, Reed

Instructors: Christopher, Cuff, Griffin, Horton, Kinney, McCurdy-Jennings, McKibbin, Methvin, Myer, Prickett, Sellers, Smart, E. Williams, L. Williams, Wooster

The Department of English offers a major in English for those students not seeking teaching certification. This is for the Bachelor of Arts (B.A.) degree. Requirements for this major: a minimum of 36 hours, which must include EH 101, 102, 141, 201, 202, 203, 204, 231 or 232, and either 403 or 404. Electives may be chosen from any English course offered except 345, 346, 347, 348, 351, and 352. Twelve hours of a single foreign language, preferably French or German, are also required.

Minor in English: A minimum of 24 hours, which must include EH 101, 102, 141, 203, 204, and either 201 or 202. This minor is not available for students seeking teacher certification, or those majoring in English. Six of the 24 hours must be taken at the 300/400 level at JSU.

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

Minor in Creative Writing: A minimum of 24 hours, which must include EH 101, 102, 141, 201, 202; 344 or 351 or 352 and 406 or 415. This minor is not for students seeking teacher certification, or majoring in English.

The Department offers the following course of study for students seeking teacher certification:

Requirements for certification in the Language Arts teaching field (grades 7-12): 56 hours, including EH 101, 102, 201, 202, 203, 204, 321, 346, 347, 349, 403 or 404, 408, and one of the following: 303, 304, 305, 420, 442. Also required are 3 hours of EH electives chosen from any course offered except 345, 348, 351, and 352. Additional requirements include Drama 241, 242 and 284 and Communication 307 and 315.

For additional information about these programs, consult the general information under the School of Education entries in this bulletin, or seek help in the School of Education Advisement Office (208 Ramona Wood).

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:

	ENHANCED		*RECENTERED
	ACT	SAT	SAT
Placement	English	Verbal	Verbal
	Sub Test	Test	
LS 095	11 or below	210 or below	270 or below
EH 098 or LS 095	12 - 13	220 - 260	280-340
(following advisement)			
EH 098	14 - 16	270-330	350-410
EH 101	17 or above	340 or above	420 or above
EH 101 H	25 or above	540 or above	610 or above

*The SAT scores will be reported on a Recentered Scale in April 1995 and thereafter.

098. **Basic English Skills (3).** A study of basic English grammar and writing skills. **Note:** Grades for EH 98: A, B, C, NC. Institutional credit only. See section on institutional credit. Not open to students who have completed EH 101. (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. Institutional credit only. See section on institutional credit. (Offered Fall and Spring only.) **Grades for EH 099: A, B, C, NC.**
- 101, 102. **English Composition (3) (3).** Two semesters. *Prerequisite to all other English courses except 141.* Spelling, grammar, punctuation, vocabulary, and the strategies of effective writing. Introduction to literature. In 102: a research paper. **Note:** **Grades for EH 101 and 102: A, B, C, NC.** EH 102 prerequisite-successful completion of EH 101. (Offered Fall and Spring only.)
- 101H, 102H. **Honors English Composition (3) (3).** Two semesters. *Fulfills prerequisite requirements to all other English courses except 141.* Advanced strategies of effective writing. Advanced introduction to literature. In 102H: a research paper. **Admission requirements:** 101H, see requirements above; 102H, by recommendation of instructor. **Note:** **Grades for 101H and 102H: A, B, C, NC.** EH 102H prerequisite: successful completion of EH 101H or EH 101 and recommendation of instructor. (EH 101H offered Fall only; EH 102H 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.* The American tradition as presented in literature. 201: Franklin, Irving, Poe, Douglass, Emerson, Thoreau, Hawthorne, Melville, Whitman. 202: James, Twain and twentieth-century American authors such as Ann Beattie and Alice Walker.
- 203, 204. **Survey of English Literature (3) (3).** Two semesters. *Prerequisite: EH 102.* 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. *Prerequisite: EH 102 and permission of instructor.* A study of works of literature against the background of philosophy, history, and the arts. Will substitute for EH 201, 202, for literature requirement or for EH 203, 204, in non-teaching programs of study. (Offered Fall and Spring only.)
- 231, 232. **World Literature (3) (3).** Two semesters. *Prerequisite: EH 102.* The literature of Greece and Rome, the Medieval Period, the Renaissance, the Enlightenment, the Romantic Age, Realism and Symbolism, and our own times. Successful completion of either EH 201, 202 or 203, 204 or 219, 220 or 231, 232 will be prerequisite for all advanced EH courses except EH 300, 344, 345, 346, 347, 351, 352 and 360.
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.* 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).** A study of selected literature by Native Americans, including traditional oral genres (myths, folktales) and written genres (autobiography, fiction, poetry).
311. **Romantic Poetry (3).** Dorothy and William Wordsworth, Coleridge, Byron, Percy and Mary Shelley, Keats, Blake, and some lesser figures.
313. **Twentieth-Century Poetry (3).** British and American poets of the 1900s. Hardy and Robinson through Robert Lowell and Adrienne Rich.

321. **Advanced Grammar (3).** Required of students planning to enter the English Language Arts teaching fields as preliminary to all practice teaching. A thorough study of the parts of speech and syntax.
322. **Technical Writing (3).** *Prerequisites:* EH 101 and 102. Practical writing, especially correspondence and reports, for students in business, scientific, and technical fields.
343. **The Bible as Literature (3).** The artistic ideas, forms, and techniques found in the Hebrew and early Christian books, and an analysis of the artistic merits of the King James translation. Taught infrequently.
344. **Advanced Composition (3).** *Prerequisite:* EH 102. Improving the skills and the knowledge of composition acquired in EH 101 and 102, deepening the student's understanding of grammar, diction, and usage, and introducing him/her, through active production, to the larger forms, particularly of an expository or argumentative nature.
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.
346. **Advanced Oral Communication (3).** *Prerequisite:* EH 141. Study and practice of techniques of public speech-making. Should be taken before the Education student's professional semester. No credit allowed toward English major.
347. **Speech for the Classroom Teacher (3).** *Prerequisite:* EH 141. Study and practice in developing oral communication skills and auditory discrimination ability. Offered during fall semester. Should be taken before the Education student's professional semester. No credit allowed toward English major.
348. **Composition and Speech (3).** *Prerequisites:* Completion of EH 101, 102, and 141, Major in SPE, EED, or ECE. Emphasis on writing and on oral presentation skills. Grades for EH 348: A, B, C, NC. No credit allowed toward English major.
349. **The Literature of Young Adults (3).** 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 101, 102, 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 English Language Arts degree.
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.
370. **The American Novel (3).** 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).** The reading and analysis of twentieth-century novels, novelettes, and/or short stories selected by the instructor.
373. **Twentieth-Century Drama (3).** Ibsen to Beckett. The social, moral, and psychological interests of modern and contemporary continental, English, and American dramatists.
375. **Southern Literature (3).** 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).** 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).** The poet against the background of the Middle Ages.

402. **Milton (3).** Major poetry and selected prose.
- 403, 404. **Shakespeare (3) (3).** 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).** Program of study in Stratford-upon-Avon. Visits to places associated with Shakespeare and reading in social history of the period. (Offered in Summer only.)
406. **Advanced Creative Writing (3).** *Prerequisite:* EH 351, 352. By permission of the instructor. Focuses on advanced problems in writing fiction and poetry.
408. **The Teaching of Composition (3).** A study of current theory and practice in teaching composition in junior and senior high school. Development of practical programs to fit teaching needs of individual students.
409. **The Art of the Film (3).** A consideration of the motion picture in its artistic, technical, and historical contexts. A number of films by major directors will be viewed, ranging from the comedies of the thirties and forties to the work of Alfred Hitchcock and the fantasy of the Hollywood musical.
410. **American Drama (3).** An examination of American drama both as theatre and literature, considering early plays in their historical contexts, with emphasis on major American dramatists beginning with Eugene O'Neill and progressing through Tennessee Williams, Arthur Miller, Edward Albee, Beth Henley, and August Wilson.
411. **Eighteenth-Century Literature (3).** 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).** Tennyson, Elizabeth Barrett and Robert Browning, Arnold, Swinburne, and other poets of the Victorian Era.
413. **English Drama (3).** Medieval background of Elizabethan drama and the reading of representative plays of the Tudor and Stuart periods.
415. **Advanced Expository Writing (3).** *Prerequisites:* EH 101, 102, and 344. Refining skills and knowledge acquired in 101, 102, 344, and requiring expository/argumentative essays representative of excellent rhetoric. (Offered Spring only.)
420. **Women's Literature (3).** 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.
441. **The History of the English Language (3).** Study of the origins and development of the English language from Old English through Modern English, focusing on the historical, cultural, and linguistic forces affecting language change.
442. **Black Writers in America (3).** A study of major twentieth-century writers, including Wright, Ellison, Hughes, Baldwin, Toni Morrison, Alice Walker, and others.
452. **Literary Criticism (3).** 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).** A history of the British novel, with readings of, and reports on, novelists of the eighteenth, nineteenth, and twentieth centuries.
484. **Current New York Theatre (3).** A study of the New York theatre available at the time the course is offered. In addition to viewing four current Broadway productions, students visit Lincoln Center for the Performing Arts and major art museums, such as the Metropolitan Museum of Art, and the Museum of Modern Art.

**BACHELOR OF ARTS
MAJOR: ENGLISH
FRESHMAN YEAR**

Fall		Spring	
EH 101	3	EH 102	3
History sequence	3	EH 141	3
Natural Science	4	History sequence	3
Social/Behavioral Science	3	Natural Science	4
MS 102	3	Social/Behavioral Science	3
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
EH 201	3	EH 202	3
Fine Arts	3	MS Elective	3
FL 101	3	FL 102	3
EH 203	3	EH 204	3
CS 201	3	Wellness	2
	<hr/> 15	EH 231 or 232	3
			<hr/> 17

JUNIOR YEAR

Fall		Spring	
FL 201	3	FL 202	3
EH Electives 300+	9	EH 403/404	3
Minor/Electives	5	EH Elective 300+	3
	<hr/> 17	Minor/Electives 300+	6
			<hr/> 15

SENIOR YEAR

Fall		Spring	
EH Electives 300+	6	EH Electives 300+	9
Minor/Electives 300+	9	Minor/Electives 300+	8
	<hr/> 15		<hr/> 17

TOTAL HOURS: 128

The Bachelor of Arts degree offered by the English Department requires an overall minimum of 128 semester hours comprised of the following sub-requirements: 36-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 his/her major and minor courses, with a minimum 2.0 overall.

NOTE: THE SUGGESTED PROGRAM ABOVE APPLIES ONLY TO AN ENGLISH MAJOR PURSUING A BACHELOR OF ARTS DEGREE. EDUCATION MAJORS CONCENTRATING IN ENGLISH SHOULD SEE RELEVANT ENTRIES IN THIS CATALOGUE.

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

317 STONE CENTER

Jackson: Department Head**Professors: Caldwell, Childress, Hollis, Jackson,
Koerper, Robinson, Taylor, Wade****Associate Professors: Koss, Lemmons, Marshall****Assistant Professors: Cook, Gamble, Suco****Instructor: Curren**

The department offers a Bachelor of Arts degree in history for those who are not seeking teacher certification. This degree requires a minimum of thirty hours of history, including History 101, 102, 201, and 202. In addition to History 101 and 102, at least two courses must be chosen from advanced European, Latin American or Asian history numbered 300 or above.

In the core curriculum, History Majors must take the courses listed under the "Plan of Study" located after the "Description of History Courses." Students should note the specific courses required, including twelve hours in a foreign language.

The requirements for a minor in history may be met by taking at least twenty-one hours in the department, including 101, 102, 201, 202, and nine hours of courses numbered 300 or above.

The teaching degree or certification in history on the High School level (grades 7-12) requires twenty-seven hours of history as follows: History 101, 102, 201, 202, 404, 444, and 456; three hours of an advanced (300-400 level) course in American History in addition to HY 444 and 456; three hours of an advanced (300-400 level) course in European, Mid-Eastern, Latin American or Asian History. In addition to the twenty-seven hours of history, a student must select three hours from the following: Anthropology 224, Philosophy 202, or Philosophy 321. For additional Social Science requirements, students should consult the Office of Education Advisement.

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.
- 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.
301. **History of England to 1689 (3).** *Prerequisites: History 101, 102.* The formation 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: History 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: History 201, 202.* The evolution of warfare and the military in American's past. (Offered every year)
331. **The Far East in Modern Times (3).** *Prerequisites: History 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:* History 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:* History 101, 102. Survey of the history of Russia focusing on the rise of radical activity that led the Revolution of 1917, the creation, evolution and collapse of the Soviet Union and Russia after communism.
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.
395. **Europe in the Middle Ages 476-1300 (3).** *Prerequisites:* History 101, 102. Major political, intellectual, and cultural trends, with emphasis on ecclesiastical developments and the fathers of the church.
400. **Europe in the High Middle Ages: Renaissance and Reformation, 1300-1648 (3).** *Prerequisites:* History 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:* History 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:* History 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.
410. **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.
411. **War and Peace in Modern Europe (3).** *Prerequisite:* HY 102. A survey of the diplomatic history of Europe from the Peace of Westphalia to the end of the Second World War.
433. **American Social and Cultural History to 1865 (3).** *Prerequisites:* History 201, 202. American society through its literature, religion, philosophy, and arts. Emphasis upon immigration strains, European cultural transfer, and environmental adaptations which have gone to form 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:* History 201, 202, and 433 or consent 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:* History 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:* History 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:* History 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:* History 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:* History 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 to an urban/commercial/industrial one.
444. **History of Alabama (3).** *Prerequisites:* History 201, 202. Alabama from the era of settlement to the present time. Attention given to slavery, with its social, economic, and political implications; secession and war, the aftermath; rise of industry; education and literature; politics and recent tendencies. (Offered every year)
448. **The Westward Movement in American History (3).** *Prerequisites:* History 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:* History 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:* History 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:* History 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:* History 201, 202. A 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:* History 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:* History 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:* History 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:* History 101, 102. Growth of common law, the court system, and the cabinet form of government from the earliest times to the present.
470. **American Diplomatic History to 1933 (3).** *Prerequisites:* History 201, 202. History of the 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: History 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: History 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: History 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: History 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.

PLAN OF STUDY

BACHELOR OF ARTS MAJOR: HISTORY

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
HY 101	3	HY 102	3
Political Science elective	3	Social, Behavioral Science	3
Natural Science Sequence	4	Natural Science Sequence	4
MS 102 or higher	3	Fine Arts Elective	3
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Literature Sequence	3	Literature Sequence	3
HY 201	3	HY 202	3
MS elective	3	Wellness	3
EH 141	3	CS 201	3
Foreign Language	3	Foreign Language	3
	<hr/> 15		<hr/> 15

JUNIOR YEAR

Fall		Spring	
HY 300+ (Non-US)	3	HY 300+ (Non-US)	3
HY 300+	6	HY 300+	6
Foreign Language	3	Foreign Language	3
Minor/electives 300+	3	Minor/electives 300+	3
	<hr/> 15		<hr/> 15

SENIOR YEAR

Fall		Spring	
HY 300+	3	HY 300+	3
Minor/electives 300+	15	Minor/electives 300+	15
	<hr/> 18		<hr/> 18

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

DESCRIPTION OF FOREIGN LANGUAGES (FL)

The Department offers a Bachelor of Arts degree with majors and minors offered in French, and Spanish for students not seeking teaching certification. The department also offers courses for 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 may include 101, 102, 201, 202, 303, 304, 310, 320, 321 (or 322 for Spanish concentrations), and at least two courses numbered 400 or above. Students with previous foreign language experience may be exempted from any or all of the 100-200 level courses based on their placement test performance; however, the total credit hour requirement must be fulfilled with other courses in the chosen language. Additionally, courses 101, 102, 201 and 202 must be taken in sequence (unless student is exempted by placement test).

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, 201, 201 and 202 in sequence. The minor is not available to students seeking teacher certification, but students majoring in one language may choose to minor in another.

For information concerning teaching certification, please consult the School of Education entries in this catalogue, or seek help from the School of Education Advisement Office.

FOREIGN LANGUAGES (FL)

- 000. **English for Foreign Students (0).** Required until satisfactorily completed of all foreign students failing to pass an English competence examination.
- 110. **Intro to FL Studies (3).** This course is designed primarily for those students majoring in Foreign Languages with a concentration in French, German, or Spanish. FL 110 will provide students with insights regarding career opportunities, a rationale for studying foreign languages, and cultural diversity.
- 300. **Introduction to French, German, and Italian (4).** Meets daily. May be used as a general elective. For music majors and minors. Designed to introduce the music student to the structure, phonology, and intonation of French, German and Italian.

FRENCH (FH)

- 100. **French Review (3).** One semester. Open to those with two years of high school French who feel inadequately prepared to enter 201. May be used as a general elective only.
- 101, 102. **Beginner's French (3) (3).** Two semesters. Beginning French grammar, pronunciation, conversation, and supplementary work in the laboratory. 101 is prerequisite to 102.
- 201, 202. **Intermediate French (3) (3).** Two semesters. *Prerequisite: French 102 or two years of high school French.* A review of French grammar, conversation and discussion based on short literary selections. Compositions and English-to-French translations. Prerequisite for the following. 202 or the equivalent.
- 303, 304. **Survey of Literature (3) (3).** French literature from the Middle Ages to the present.
- 310. **Advanced Grammar and Composition (3).** A thorough study of syntax, structure, and principles that the advanced student should know.
- 313. **Basic Business Communications (3).** Practice in written communications in all types of business situations for those specializing in areas where the language is French.
- 320. **French Conversation (3).** Intensive practice in conversation.
- 321. **French Civilization (3).** Culture, history, and geography of France.

322. **Francophone Culture (3).** *No prerequisite.* Introduction to and examination of the culture of various French-speaking countries and regions outside France. Taught in English.
416. **Seventeenth-Century French Literature (3).** Readings and analysis of representative plays of Corneille, Racine, and Moliere.
420. **Eighteenth-Century French Literature (3).** Literary, social, and political trends; introduction to Montesquieu, Diderot, Voltaire, Rousseau, and others.
- 430, 431. **Nineteenth-Century French Literature (3) (3).** Two semesters. First Semester: Representative works of Stendhal, Hugo, Sand, Balzac, Flaubert, Maupassant, Zola, and others to be read and analyzed. Second Semester: Nineteenth-Century French Literature: poetry and drama.
- 440, 441. **Twentieth-Century French Literature (3) (3).** Two semesters. First Semester: Representative works of Proust, Colette, Gide, Mauriac, Malraux, Giono, Sartre, Camus and others to be read and analyzed. Second Semester: Twentieth-Century French Literature: poetry and drama.

GERMAN (GN)

- 101.102. **Beginner's German (3) (3).** Two semesters. Beginning German grammar, with emphasis on basic skills—reading, writing, speaking, and understanding the target language. 101 is prerequisite to 102.
- 201, 202. **Intermediate German (3) (3).** Two semesters. *Prerequisite: German 102 or two years of high school German.* Grammar, review, composition, selected reading, conversation.

Prerequisite for the following: German 202 or the equivalent.

- 303, 304. **Survey of Literature (3) (3).** Two semesters. Representative German writers in the major periods of their nation's cultural development from its origin to modern times.
310. **Advanced Grammar and Composition (3).** A comprehensive study of German style, syntax, and principles expected of the advanced student.
313. **Basic Business Communications (3).** Practice in written communications in all types of business situations for those specializing in areas where the language is German.
320. **German Conversation (3).** Development and refinement of oral-aural skills based on contemporary materials and interests.
321. **German Civilization (3).** Evolution of the culture, history, and geography of Germany and her Germanic neighbors.
404. **Romanticism (3).** The works of Tieck, Kleist, Schlegel, Novalis, and others of the German Romantic Period.
406. **German Poetry (3).** Representative poetry from major periods—from the Minnesang to the present.
408. **Age of Goethe (3).** Reading and analysis of short representative works by Goethe, Schiller, Lessing and a number of their contemporaries.
409. **Nineteenth-Century Drama (3).** Reading and analysis of representative Kleist, Buchner, Grillparzer, Hebbel, and Hauptmann.
410. **Twentieth-Century Drama (3).** Selected works by Brecht, Kaiser, Hofmannsthal, Schnitzler, Frisch, and Durrenmatt read and analyzed.
411. **Goethe's Faust (3).** Reading and discussion of Faust, Part I.
412. **The German Novelle (3).** Selected works by Storm, Meyer, Gotthelf, Hauptmann, Huch, Kafka, and others.
413. **The German Novel (3).** Major representative works of Hauptmann, Hesse, Mann, Kafka, and others to be read and analyzed.

SPANISH (SH)

- 101, 102. **Beginner's Spanish (3) (3).** Two semesters. Beginning Spanish grammar, with emphasis on reading, writing, speaking, and understanding the language. Use of language laboratory required. 101 is prerequisite to 102.
200. **Beginner's Conversation (3).** *Prerequisite: Spanish 101.* The essentials of Spanish conversation for beginners. Does not satisfy language requirements for the B.A. program. Not open to native speakers.
- 201, 202. **Intermediate Spanish (3) (3).** Two semesters. *Prerequisite: Spanish 102 or two years of high school Spanish.* A review of Spanish grammar, conversation and discussion, based on short literary selections. Compositions and English-to-Spanish translations. Laboratory required.
- Prerequisite for the following except 406: Spanish 202 or equivalent.**
- 303, 304. **Survey of Literature (3) (3).** Two semesters. Representative Spanish writers in the major periods of their nation's cultural development from the beginning to modern times.
310. **Advanced Grammar and Composition (3).** Grammatical principles the advanced student should know. Not open to native speakers.
313. **Basic Business Communications (3).** Practice in written communications in all types of business situations for those specializing in areas where the language is Spanish.
315. **Spanish Drama (3).** Reading and analysis of representative plays.
320. **Spanish Conversation (3).** Intensive practice in conversation with emphasis on oral reports based on periodicals and newspapers. Not open to native speakers.
321. **Spanish Civilization (3).** History of the civilization of Spain and its application as a background for practice teaching.
322. **Latin American Civilization (3).** Evolution of the culture, history and geography of Latin America.
405. **Golden Age Drama (3).** Plays selected from Lope de Vega, Tirso de Molina, Alarcon, Calderon, and others between the years of 1592 and 1681.
406. **Don Quixote (3).** A reading and analysis of the work of Cervantes with attention given to the author in relation to his time.
408. **The Generation of 1898 (3).** The major works of Azorin, Unamuno, Ortega Gasset, Valle-Inclan, Antonio Machado, and Pio Baroja.
409. **Contemporary Spanish Literature (3).** Spanish writers since the Civil War with special attention paid to Camilo Jose Cela, Miguel Delibes, and Carmen Laforet.
410. **Latin American Literature (3).** The literature of Latin America from its beginning until the present with emphasis on Modernism and the South American Novel.
411. **Nineteenth-Century Spanish Poetry (3).** Representative poets from the Romantic and Post-Romantic periods and from Modernism and ultra-Modernism.
412. **Nineteenth-Century Spanish Drama (3).** Outstanding dramatists with emphasis on Duque de Rivas, Zorrilla, Echegaray, Garcia Gutierrez, Hartzenbusch, Tamayo Baus.
413. **Nineteenth-Century Spanish Novel (3).** Major developments and trends in the novel of the 19th century as reflected in the works of Galdos, Pardo Bazan, Palacio Valdes, Alarcon, Blasco Ibanez, Valera, and Pereda.

**BACHELOR OF ARTS
MAJORS: FRENCH OR SPANISH**

FRESHMAN YEAR

Fall		Spring	
FL 101	3	FL 102	3
HY	3	HY	3
Natural Science	4	EH 141, Spch.....	3
Social/Behavioral Science	3	Natural Science	4
EH Comp 101	3	EH Comp 102	3
	16		16

SOPHOMORE YEAR

Fall		Spring	
FL 201	3	FL 202	3
Math 102	3	Math elective	3
Social/Behavioral Sci	3	Wellness	3
Fine Arts Elective		Literature	3
(ART, MU, DR)	3	CS 201	3
Literature	3		15
	15		

JUNIOR YEAR

Fall		Spring	
FL 303, 304, 310, or 320	3	FL 303, 304, 310, or 320	3
Minor/Electives 300+	9	Minor/Electives 300+	9
CS 201	3	Individ. Study 300+	
	15	(FH, GN, SH)	3
			15

SENIOR YEAR

Fall		Spring	
FL 303, 304, 310, or 320	3	FL 303, 304, 310, or 320	3
Individual Study 300+		Individual Study 300+	
(FH, GN, SH)	3	(FH, GN, SH)	3
Minor/Electives 300+	12	Minor/Electives 300+	12
	18		18

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

**DEPARTMENT OF LEARNING SKILLS
BASEMENT-HOUSTON COLE LIBRARY**

**McDade: Department Head
Instructor: Brown, 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)

- 094. **Technical Reading Skills (3).** Individual diagnosis of reading skills with personalized, competency-based prescriptions for enhancement of reading strategies and vocabulary. Institutional credit only. GRADES: A, B, C, NC.
- 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.
- 097. **Basic Pre-Algebra Skills (3).** Individual diagnosis of arithmetic skills with personalized, competency-based prescriptions for enhancement. Institutional credit only. GRADES: A, B, C, NC. Not open for students with credit in MS 099/ 101 and 102.
- 098. **Basic Algebra Skills (3).** Individualized instruction in beginning algebra skills. Placement in this course is determined by the Mathematics Placement Test/ACT. Not open to students with credit in MS 099/101 or MS 102. Institutional credit only. GRADES: A, B, C, NC.
- 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, N.C.
- 120. **Career Planning Skills (1).** Individualized instruction in self-analysis of abilities, achievements, and interests to develop career goals and plans. Various career opportunities will also be explored.
- 205. **Peer Counselor Training (2).** May be duplicated for credit for a total of six (6) semester hours. Training for students serving as orientation peer counselors in knowledge of self, campus, orientation consumers, listening skills, public speaking, and decision making. Permission of instructor is required.
- 206. **Advanced Peer Counselor Training (2).** May be duplicated for credit for a total of four (4) semester hours. Advanced training for students serving as orientation leaders. Gives students opportunity to enhance leadership, organizational and human relations skills through supervisory responsibilities. Permission of instructor is required.
- 210. **Resident Assistant Seminar (2).** Seminar for resident hall assistants providing experience in developing community, working with college students, and understanding the purpose and scope of residence halls.
- 301, 302, 303. **Academic Performance Management (1-3).** Realizing that fellow students can be effective teachers, the University offers negotiable academic credit to qualified students who serve as tutors in selected areas. Permission of instructor is required.
- 320. **Employability Skills (1).** Individualized instruction in the job search process, including cover letter and resume writing and interviewing.

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

323 MARTIN HALL/310 BIBB GRAVES HALL

McCormick: Department Head

Professors: Abercrombie, Ford, J. Smith, J. S. White, Yeh

Associate Professors: Aquilar, Chao, Francia, Gueorguieva, Kelley, Krishnaprasad

Assistant Professors: Dodd, Huffman, Leathrum, Shirey, E. Smith, R. Smith

Instructors: Dale, Edwards, Johnson, Knight,

McCormick, Myers, Peters, Primm, Reaves

Three majors are available: 1) Mathematics in one of three concentrations—Theoretical, Applied, and Education; and 2) Computer Science in one of three concentrations—Computation, Software Engineering, and Information Systems. Additionally, a pre-engineering program is available. A Certificate of Computer Science in one of three concentrations is also offered. Students pursuing this certificate must have previously earned a baccalaureate degree from a regionally accredited institution.

The **Mathematics** major consists of a prescribed set of common courses, a prescribed set of concentration courses, and a set of elective courses. Three concentrations are available to MS majors: 1) **Theoretical**—emphasizes the course work to prepare the student for graduate work in mathematics and a career in mathematics (35 hours); 2) **Applied**—emphasizes course work to prepare the student for graduate work in the area of applied mathematics and a career supported by significant applied mathematics (38 hours); and 3) **Education**—the course work meets the requirements for teacher certification in mathematics for those pursuing a career in teaching at the secondary level (32 hours).

The following common courses—MS 141, 142, 241, 300, 351 and 352—must be completed with a C or better by all MS majors, regardless of their concentration. Each prerequisite must be completed with a C or better before going on to a subsequent course in the sequence.

Each of the three concentrations requires the student to complete each of the courses listed with a grade of C or better: *Theoretical*: MS 344, 370, 470, and 480; *Applied*: MS 304, 310, 344, 370 and 404; *Education*: MS 204 and 323.

Students must also choose additional courses from the department list of available electives to complete the major for the following concentrations: *Theoretical* and *Applied*: one additional course numbered 400 or above; *Education*: two additional courses—one numbered 300 or above and one numbered 400 or above.

In addition to the common and chosen concentration courses, support courses are required for two of the concentrations: *Theoretical*: CS 231 and a natural science sequence in Biology, Chemistry or Physics; and *Applied*: CS 231 and PHS 211 and 212 with each lab.

A minor in mathematics requires a minimum of 18 hours in courses numbered MS 141 or above. The minor includes the calculus sequence and two courses with numbers above 300. For specific requirements in each major/minor see the department head or a mathematics advisor.

The **Computer Science** major consists of a prescribed set of common courses, a prescribed set of concentration courses, and a set of elective courses. All courses that are prerequisite to CS 231 are considered pre-major courses. For a prospective computer science student to enroll in CS 231, that student must have: 1) declared computer science as their intended major; 2) completed MS 102 or higher level mathematics course with a C or better; and 3) completed CS 230 with a C or better.

Three concentrations are available to CS majors: 1) **Computation**—emphasizes the scientific and mathematical aspects of computer science (41 hours); 2) **Software Engineering**—emphasizes the development of large software systems (44 hours); and 3) **Information Systems**—emphasizes the development and maintenance of business software systems (42 hours).

The following common courses, CS 230, 231, 232, 333, 350, 462, and 488, must be completed with a C or better by all CS majors, regardless of their concentration. Each prerequisite must be completed with a C or better before going on to a subsequent course in the sequence.

Each of the three concentrations requires the student to complete each of the courses listed with a grade of C or better: *Computation*: CS 331, 334, 420, and 453; *Software Engineering*: CS 310, 331, 334, 450, and 491; *Information Systems*: CS 250, 310, 450, and 491.

Students must choose at least two additional courses numbered 300 or above from the department list of available electives to complete the major.

In addition to the common and chosen concentration courses, support courses are required for each of the concentrations: *Computation*: MS 141, 142, 241, 304, 310, 352; PHS 211, 211L, 212, and 212L; *Software Engineering*: MS 141, 142, 204, 241, 310, and EH 322; and *Information Systems*: ACC 200 with lab and ACC 210, EC 221 and 222, EH 322, FIN 301, MGT 305, MKT 301, MS 122 or MS 141, and MS 204.

The minor in computer science requires 23 hours which consists of CS 230, 231, 232, 333, 350, 462, and 488.

The **Engineering** Program offers a two-year pre-engineering curriculum which will permit the majority of students to transfer with junior standing to most undergraduate engineering programs at other colleges. A suggested pre-engineering program would include EH 101, 102; HY 101, 102 or 201, 202; EC 221; CY 105, 106, 107, 108; MS 141, 142, 241, 344; PHS 211, 211L, 212, 212L; and EG 112, 121, 201, 202, 226, and 255.

The minor in basic engineering 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 141, 142, 241, 344; PHS 211, 211L, 212, and 212L.

High school students preparing for admission to the basic engineering program are strongly urged to perfect their background in mathematics and the physical sciences. Algebra, plane geometry, trigonometry, solid geometry, general science, physics, chemistry, and any advanced mathematics course available are all desirable acquisitions.

In the core curriculum, majors in the MCIS department must take the courses listed under the "Plan of Study" for their chosen major and concentration. The "Plan of Study" is 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." Students may also use the Internet to obtain an outline of the specific courses required for their chosen major and concentration. The URL is: cs.jsu.edu/mcis/bs-requirements.html

MATHEMATICS (MS)

DESCRIPTION OF COURSES

NOTE: All entering students who have not successfully completed or been awarded credit for MS 102 are required to submit scores from the American College Test (ACT) or Scholastic Aptitude Test (SAT). Placement in an entry-level Mathematics course will be determined by the mathematics score as follows:

ACT (Standard)	ACT (Enhanced)	SAT	SAT *Recentered	PLACEMENT
0-3	0-9	200-250	200-260	LS 097
4-12	10-16	260-340	270-390	LS 098
13-17	17-19	350-430	400-470	MS 101
18-25	20-26	440-550	480-560	MS 102
20-27	24-29	500-620	520-620	MS 102 or 105
26-27	27-29	560-620	570-620	MS 102 or 103 or 105
28-36	30-36	630-800	630-800	MS 102, 103, or 141 or 105

The MCIS department offers a Mathematical Placement Exam for students who do not have an ACT or SAT score available. The Placement Exam is also available to any student who feels that they can place higher than their existing score. Contact the MCIS department for scheduling.

*The SAT reported on a Recentered Scale in April 1995, and thereafter.

101. **Intermediate Algebra (3).** *Prerequisite:* LS 098 or placement determined by ACT/SAT. 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 141 or higher.)
102. **College Algebra (3).** *Prerequisite:* MS 101 or placement determined by ACT/SAT. 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. (Included as part of core curriculum. Not open to students with credit in MS 141 or higher.)
103. **Plane Trigonometry (3).** *Prerequisite:* MS 102 or satisfactory score on ACT/SAT. Trigonometric functions and inverses, applications, graphs, identities and equations, laws of sines and cosines, vectors and complex numbers.
104. **Finite Mathematics (3).** *Prerequisite:* MS 102 or satisfactory score on ACT/SAT. Systems of equations and matrices, linear programming, mathematics of finance, sets and counting, probability, and probability distribution and statistics. Computer applications using Microsoft Excel. Credit not given toward mathematics major and/or minor. Lab fee.
105. **Precalculus (4).** *Prerequisites:* Two years of algebra at high school level and satisfactory score on ACT. 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. Not open to students with credit in MS 102 or MS 103.
122. **Business Calculus (3).** *Prerequisite:* MS 102 or satisfactory score on ACT/SAT. 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.)
133. **Mathematical Concepts I (3).** *Prerequisite:* MS 102. Prepares teachers to implement recommendations set by NCTM. Problem solving, set theory, logic, number theory, communication, historical development of and structure of number systems. (Enrollment limited to all B.S.E. degrees whose teaching area is NOT Biology, General Science, or Mathematics.) Two hours lecture and two hours lab.
134. **Mathematical Concepts II (3).** *Prerequisites:* MS 102 and 133. Probability and statistics, including counting methods, central tendency and dispersion; geometry; measurements; computers and calculators as tools for problem solving. (Enrollment limited to all B.S.E. degrees whose teaching area is NOT Biology, General Science, or Mathematics.) Two hours lecture and two hours lab.
140. **Analytic Geometry (3).** *Prerequisite:* MS 102 or 103 or 105. Conics, polar coordinates and polar curves. Parametric equations and solid analytic geometry. Recommended to those desiring to strengthen their precalculus background in mathematics. Applied toward major or minor, as does MS 102 and 103; does not count against requirement of 30 hours beyond MS 103.
141. **Calculus I (4).** *Prerequisites:* MS 103 or 105 or a satisfactory score on the ACT/SAT. Introduction to analytic geometry, functions and limits, differentiation with applications, antiderivatives, definite integrals, numerical integration, indeterminate forms, derivatives of exponential and logarithmic functions.
142. **Calculus II (4).** *Prerequisite:* MS 141. Calculus of transcendental functions, applications of integration, techniques of integration, improper integrals, infinite series, polar coordinates, parametric forms, vectors in the plane and in 3-space.
204. **Basic Statistics (3).** *Prerequisite:* MS 102. 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 and/or minors.) Lab fee.

241. **Calculus III (4).** *Prerequisite:* MS 142. Multivariate functions, vector functions, partial derivatives, multiple integrals, vector analysis.
250. **Introduction to Linear Algebra (3).** *Prerequisite:* MS 103 or 105. 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 (2).** *Prerequisites:* MS 141 and 142 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.
304. **Mathematical Statistics I (3).** *Prerequisite:* MS 142. 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.
309. **Discrete Mathematics (3).** *Prerequisite:* MS 142. An introduction to discrete methods and models in mathematics. To include selected topics from combinatorics, graph theory, and discrete probability.
310. **Numerical Analysis (3).** *Prerequisite:* MS 241, 250 or 352, and CS 230. Numerical analysis and computing with emphasis on methods adaptable to electronic computing machinery. Lab fee.
322. **Selected Survey of Secondary School Mathematics (3).** *Prerequisites:* MS 102 and 103 or equivalents. For students pursuing certification in mathematics. Does not count toward major or minor. Overview of secondary school mathematics for prospective and inservice teachers of mathematics.
323. **College Geometry (3).** *Prerequisite:* MS 142. Euclidean geometry including synthetic and analytic proofs, geometric constructions, and properties of the triangle and circle.
344. **Differential Equations (3).** *Prerequisite:* MS 241. The methods of solving differential equations of the first or second order and higher order linear equations, including series solutions and selected applications.
351. **Introduction to Abstract Algebra (3).** *Prerequisite:* MS 241 and 300. Algebraic structures, rings, fields, and groups. The axiomatic approach.
352. **Linear Algebra (3).** *Prerequisite:* MS 241. Matrices, linear systems, vector spaces with emphasis on algebraic structures.
370. **Advanced Calculus I (3).** *Prerequisites:* MS 241 and 300. Real number system, elementary point set theory, limits, theory of continuous functions, differentiable functions.
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. **Undergraduate Research in Mathematics (3).** *Prerequisites:* MS 351 or 370, 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.
403. **Vector Analysis (3).** *Prerequisite:* MS 242. The algebra and calculus of vectors; applications to geometry, electricity, harmonic functions, potentials. Matrices and determinants.
404. **Mathematical Statistics II (3).** *Prerequisites:* MS 241 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.

- 423. A Survey of Geometries (3).** *Prerequisite:* MS 142. Selected topics from advanced Euclidean geometry, finite geometries, Non-Euclidean geometry, and other geometries.
- 451. Functions of a Complex Variable (3).** *Prerequisite:* MS 241. Fundamental operations with complex numbers, differentiation and integration theorems, mappings, series, and residues.
- 470. Advanced Calculus II (3).** *Prerequisite:* MS 370. Selected topics from advanced calculus. Elements of partial differentiation including the general theorems, Jacobians. Topics on the theory of integration. Formerly MS 405.
- 480. Introductory Topology (3).** *Prerequisite:* MS 370. Basic topological concepts to include topological spaces, mapping, compactness, connectedness, and separation axioms.
- 484. Partial Differential Equations (3).** *Prerequisite:* MS 310 or 344 or 403. Standard methods of solution: separation of variables, Fourier Series, Laplace Transforms. Selected applications.

BACHELOR OF SCIENCE MAJOR: MATHEMATICS

The Bachelor of Science degree offered by the Mathematical, Computing, and Information Sciences Department consisting of two majors—Mathematics or Computer Science—requires an overall minimum of 128 semester hours. Those hours are comprised of the following sub-requirements: 36-44 hours including a minimum of 12 hours at the 300/400 level at JSU, a minor including a minimum of 6 hours of 300/400-level courses at JSU, 41 hours of general studies courses, and 23 hours of support courses. These courses must also meet the minimum of 52 hours at the 300/400-level and can include those required in the major and minor. Any hours remaining needed to fulfill the 128 semester hours or the 52 hour minimum at the 300/400 level will be classified as electives. A student must earn a minimum of a 2.0 GPA overall and a "C" or better in each of his/her major and minor courses.

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
HY 101/201	3	HY 102/202	3
Fine Arts	3	CS 201*/CS 231**	3-4
MS 141, Calculus I	4	MS 142, Calculus II	4
Social/Behavioral Science	3	Social/Behavioral	3
	<hr/> 16		<hr/> 16-17

*Education concentration

**Theoretical and Applied concentrations

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	3
MS 241, Calculus	4	MS 351, Abstract Algebra	3
Natural Science*	4-5	Natural Science*	4-5
MS 300, Intro Advanced Math	2	EH 141	3
Minor/Elective	3	Minor/Elective	3
	<hr/> 16-17		<hr/> 16-17

*Theoretical must choose BY, CY or PHS
Applied must take PHS 211 and 211L

*Theoretical must choose BY, CY or PHS
Applied must take PHS 212 and 212L

CONCENTRATION: THEORETICAL JUNIOR YEAR

Fall		Spring	
MS 352, Linear Algebra	3	MS 344, Differential Equations	3
MS 370, Advanced Calculus	3	MS 470, Advanced Calculus II	3
Minor/Electives	10	Minor/Electives	10
<hr/>		<hr/>	
16		16	

SENIOR YEAR

Fall		Spring	
MS 480, Topology	3	MS 400+	3
Minor/Electives	13	Minor/Electives	13
<hr/>		<hr/>	
16		16	

TOTAL HOURS: 128-131

CONCENTRATION: APPLIED JUNIOR YEAR

Fall		Spring	
MS 352, Linear Algebra	3	MS 370, Advanced Calculus I	3
MS 310, Numerical Analysis	3	MS 344, Differential Equations	3
Minor/Electives	10	Minor/Electives	10
<hr/>		<hr/>	
16		16	

SENIOR YEAR

Fall		Spring	
MS 304, Math Stats I	3	MS 404, Math Stats II	3
MS 400+	3	Minor/Electives	13
Minor/Electives	10		
<hr/>		<hr/>	
16		16	

TOTAL HOURS: 128-131

CONCENTRATION: EDUCATION

(Student must see Education Advisor)

COMPUTER SCIENCE (CS) DESCRIPTION OF COURSES

100. **Introduction to Computers (1).** An introduction to concepts and terminology in the computer science field. Hands-on experience with hardware and a word processing package. (Department credit not given for CS majors and/or minors.) Lab fee.
201. **Intro to Data Processing (3).** A brief exposure to theory and operations of data processing. Concepts presented include computer systems, hardware and software. Hands-on experience with selected productivity software packages. (Department credit not given for CS majors and/or minors.) Lab fee.
215. **WWW Authoring and Design (3).** *Prerequisite:* CS 201. Create and design World-Wide Web pages using HTML, Java, and PERL. Includes studio component where students analyze, design, and implement World-Wide Web site. (Department credit not given for CS majors and/or minors.) Lab fee.

230. **Fundamentals of Computing (3).** *Prerequisite:* MS 102 or 105. Study problem solving tools/techniques and survey major areas of computing. A high-level programming language will be used as an implementation tool. (Open to any major, but CS majors must take.) Lab fee.
231. **Computer Programming I (4).** *Prerequisites:* CS 230 and MS 102 or higher level mathematics course. Algorithms, programs and computers. Solution of practical problems using modern, structured programming language. Integral, scheduled laboratory. Lab fee.
232. **Computer Programming II (4).** *Prerequisite:* CS 231. Continue to develop the discipline of computers as a problem-solving tool. Topics to be covered are introduction to file processing techniques and data structures. Lab fee.
250. **Introduction to COBOL (4).** *Prerequisite:* CS 232. A beginning course in COBOL programming. Problems dealing with business computations and record keeping will be emphasized. Integral scheduled laboratory. Lab fee.
300. **Microcomputing (3).** *Prerequisite:* CS 232. Examination of micro-computers and their role in small to medium firms. Emphasis on applications, I/O operations and file handling in a laboratory environment. Lab Fee.
301. **Spreadsheet Applications (3).** *Prerequisite:* CS 231. The use of spreadsheet software in solving real-world business problems. Lab fee.
302. **Database Applications (3).** *Prerequisite:* CS 232. Introduction to database management systems using a current DBMS package; development of menu-driven database applications. Lab fee.
303. **Advanced Computer Applications (3).** *Prerequisite:* CS 232. A continuation of hands-on experience with selected application software. Includes advanced topics in an object-oriented language. Lab fee.
310. **Software Engineering I (3).** *Prerequisite:* CS 232. Introduction to the functions of techniques and tools of analysis and synthesis, project management techniques, and the systems development life cycle.
312. **Computer System Documentation (3).** *Prerequisite:* CS 310. Introduction to writing and evaluating effective computer system documentation. Emphasis on writing, analyzing and evaluating documentation. Lab fee.
330. **Advanced COBOL Programming (3).** *Prerequisite:* CS 250. A continuation of CS 250 with concentration on advanced applications of the COBOL programming language. Table handling, sort features, and techniques for direct access of mass storage devices will be emphasized. Integral non-scheduled laboratory. Lab fee.
331. **Data Structures (3).** *Prerequisite:* CS 232. Storage of arrays, stacks, queues, and deques. Linked linear lists; trees and multilinked structures. Sorting and searching. Normally offered during Fall semester. Lab fee.
333. **Digital Logic and Computer Architecture (3).** *Prerequisite:* CS 232. Number systems, codes, Boolean algebra, combinational logic; memory elements; digital arithmetic; data storage; introduction to basic assembly language.
334. **Discrete Computational Structures (3).** *Prerequisite:* CS 232. 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.
350. **Fundamentals of Computer Operating Systems (3).** *Prerequisite:* CS 232. Introduction to operating systems, real and virtual storage concepts, system resources and their management, multiprogram and multiprocess systems. Mainframe, minicomputer and microcomputer systems.
352. **Job Control Language (3).** *Prerequisite:* CS 232. Introduction to Job Control Language for IBM mainframes. DOS VSE/JCL used to run application programs, create/maintain files and programs and perform utility functions. Lab fee.

377. **Software Engineering in ADA (3).** *Prerequisite:* CS 232. An introduction to the principles of software design and development using the ADA programming environment. Lab fee.
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. **MIS for Business (3).** *Prerequisites:* CS 201 or equivalent and senior status. Study of terminology and concepts of computer-based management information systems. Emphasis on applications for decision-making and management. (Department credit not given for CS majors and/or minors.)
402. **Introduction to CICS (3).** *Prerequisites:* CS 330 and permission of instructor. Introduction to Customer Information Control System (CICS) using a high-level language. Coverage will include basic mapping techniques and design and testing of application programs for on-line systems using CICS. Lab fee.
411. **Management Information Systems (3).** *Prerequisites:* CS 231 and senior status. Study of the systems concept and its relationship to information requirements for decision-making and management. Computer solutions of MIS-related problems. Lab fee.
417. **System Modeling/Simulation (3).** *Prerequisites:* MS 304 or 204 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. Lab fee.
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.
432. **Computer Graphics (3).** *Prerequisites:* CS 232 and MS 103 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. Lab fee.
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. Lab fee.
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. Lab fee.
443. **Expert Systems (3).** *Prerequisites:* Senior or graduate status and permission of instructor. This course is an introduction to the definition, design, and development of expert systems. Lab fee.
444. **Artificial Intelligence (3).** *Prerequisites:* CS 232, senior status, and one other programming language. An introduction to the principles and methods used in artificial intelligence programs. Lab fee.
450. **Computer Networking (3).** *Prerequisite:* CS 232. 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).** *Prerequisites:* CS 232 and senior status. Introduction to symbolic assembler language; program linkage; I/O instructions; system and user defined macros; and machine organization. Lab fee.

462. **Ethics and Legal Issues (3).** *Prerequisite:* Senior standing in Computer Science. An overview of legal, ethical and professional issues in computing.
488. **Database Systems (3).** *Prerequisites:* CS 232 and senior status. Concepts and terminology associated with data structure, file organization, access methods, packaged systems, data base design and data base systems. Lab fee.
491. **Software Engineering II (3).** *Prerequisites:* CS 310 and senior standing. Introduction to the formal design methodologies used in large software projects. Emphasis and experience will be on software engineering concepts within a team environment.
496. **Laboratory Practicum (1).** *Prerequisite:* Permission of department head. Four hours of laboratory each week. Students learn to utilize various computer hardwares and softwares while assisting a computer science faculty member. For CS juniors and seniors. Lab fee.
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.

BACHELOR OF SCIENCE MAJOR: COMPUTER SCIENCE

The Bachelor of Science degree offered by the Mathematical, Computing, and Information Sciences Department consisting of two majors—Mathematics or Computer Science—requires an overall minimum of 128 semester hours. Those hours are comprised of the following sub-requirements: 36-44 hours including a minimum of 12 hours at the 300/400 level at JSU, a minor including a minimum of 6 hours of 300/400-level courses at JSU, 41 hours of general studies courses, and 23 hours of support courses. These courses must also meet the minimum of 52 hours at the 300/400-level and can include those required in the major and minor. Any hours remaining needed to fulfill the 128 semester hours or the 52 hour minimum at the 300/400 level will be classified as electives. A student must earn a minimum of a 2.0 GPA overall and a "C" or better in each of his/her major and minor courses.

CONCENTRATION: COMPUTATION

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
HY 101/201	3	HY 102/202	3
CS 230, Fund of Computing	3	MS 142, Calculus II	4
Social/Behavioral Science	3	CS 231, Computer Programming I ..	4
MS 141, Calculus I	4	Social/Behavioral Science	3
	<hr/> 16		<hr/> 17

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	3
MS 241, Calculus III	4	PHS 212 and 212L	5
PHS 211 and 211L	5	Fine Arts	3
CS 232, Computer Programming II ..	4	EH 141	3
	<hr/> 16	Minor/Electives	2
			<hr/> 16

JUNIOR YEAR

Fall		Spring	
CS 331, Data Structures	3	CS 333, Digital Logic & Architecture .	3
CS 350, Operating Systems	3	CS 334, Discrete Structures	3
MS 304, Math Stats I	3	CS 453, Programming Languages . . .	3
MS 352, Linear Algebra	3	MS 310, Numerical Analysis	3
Minor/Electives	3	Minor/Electives	3
	<hr/>		<hr/>
	15		15

SENIOR YEAR

Fall		Spring	
CS 420, Algorithms Design/Analysis .	3	CS 488, Data Base	3
CS 462, Ethics & Legal Issues	3	CS 300+	3
CS 300+	3	Minor/Electives	9
Minor/Electives	9		<hr/>
	<hr/>		15
	18		

TOTAL HOURS: 128

CONCENTRATION: SOFTWARE ENGINEERING**FRESHMAN YEAR**

Fall		Spring	
EH 101	3	EH 102	3
Fine Arts	3	Natural Science	4
Natural Science	4	MS 141, Calculus I	4
MS 204, Basic Statistics	3	CS 231, Computer Programming I . .	4
CS 230, Fund of Computing	3		<hr/>
	<hr/>		15
	16		

SOPHOMORE YEAR

Fall		Spring	
HY 101/201	3	EH 141	3
MS 142, Calculus II	4	HY 102/202	3
CS 232, Computer Programming II . .	4	MS 241, Calculus III	4
Social/Behavioral Science	3	Social/Behavioral Science	3
Literature	3	Literature	3
	<hr/>		<hr/>
	17		16

JUNIOR YEAR

Fall		Spring	
MS 310, Numerical Analysis	3	EH 322	3
CS 331, Data Structures	3	CS 333, Digital Logic & Architecture .	3
CS 310, Software Engineering I	3	CS 350, Operating Systems	3
CS 334, Discrete Structures	3	Minor/Electives	6
Minor/Elective	4		<hr/>
	<hr/>		15
	16		

SENIOR YEAR

Fall		Spring	
CS 488, Data Base.....	3	CS 450, Computer Networking	3
CS 491, Software Engineering II	3	CS 462, Ethics & Legal Issues	3
CS 300+	3	CS 300+	3
Minor/Electives	9	Minor/Electives	6
	<hr/> 18		<hr/> 15

TOTAL HOURS: 128

CONCENTRATION: INFORMATION SYSTEMS

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
HY 101/201	3	HY 102/202	3
Natural Science	4	Natural Science	4
MS 102, College Algebra	3	MS 122 or 141	3-4
CS 230, Fund of Computing	3	CS 231, Computer Programming I ...	4
	<hr/> 16		<hr/> 17-18

SOPHOMORE YEAR

Fall		Spring	
Literature	3	MS 204, Basic Statistics	3
EH 141	3	Fine Arts	3
ACC 200 and 200L	4	EC 221	3
CS 232, Computer Programming II ..	4	Literature	3
PSY 201	3	ACC 210	3
	<hr/> 17		<hr/> 15

JUNIOR YEAR

Fall		Spring	
EC 222	3	MGT 305	3
CS 250, COBOL	4	CS 333, Digital Logic & Architecture .	3
CS 350, Operating Systems	3	CS 491, Software Engineering II	3
CS 310, Software Engineering I	3	EH 322	3
Minor/Electives	3	Minor/Electives	3
	<hr/> 16		<hr/> 15

SENIOR YEAR

Fall		Spring	
FIN 301	3	CS 488, Data Base	3
CS 462, Ethics & Legal Issues	3	CS 450, Computer Networking	3
CS 300+	3	CS 300+	3
MKT 301	3	Minor/Electives	6
Minor/Electives	5		<hr/> 15
	<hr/> 17		

TOTAL HOURS: 128-129

CERTIFICATE IN COMPUTER SCIENCE

Common Courses—CS 230, 231, 232, 333, 350, 462, 488	23
One Concentration	12-15
Computation—CS 331, 334, 420, 453	
Software Engineering—CS 310, 331, 334, 450, 491	
Information Systems—CS 250, 310, 450, 491	
Support Courses	18-19
Computation—MS 141, 142, 241, 304, 310, 352	
Software Engineering—MS 141, 142, 204, 241, 310; EH 322	
Information Systems—ACC 200 & Lab, 210; FIN 301; MGT 305; MKT 301; and MS 204	
Total Certificate Requirements	53-57

ENGINEERING (EG)

DESCRIPTION OF COURSES

112. **Engineering Methods (2).** *Prerequisite or concurrently: MS 103.* The use of applied mathematics in solving elementary scientific and engineering problems. Topics include basic mathematical analysis, the electronic calculator, unit systems, metrication, engineering statics. One hour lecture and two hours laboratory each week.
121. **Engineering Graphics I (3).** *Prerequisite: Plane geometry or evidence of previous instruction in mechanical drawing.* Orthographic, isometric and oblique projections, multiview projection on principal and auxiliary planes, dimensioning, fits and tolerances, screw threads and fasteners, detail and assembly working drawings. Interactive computer-aided graphics. One hour lecture and five hours laboratory each week. Lab fee.
201. **Applied Mechanics-Statics (3).** *Prerequisites: EG 112, PHS 211, and, or concurrently, MS 142.* 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 142.* 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 141.* 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 of lecture and three hours of laboratory each week.
255. **Engineering Computation (3).** *Prerequisite: MS 103 or equivalent.* FORTRAN Programming, with introduction to numerical methods useful in the solution of engineering, scientific, and mathematical problems. Integral nonscheduled laboratory. Lab fee.
320. **Engineering Economy (3).** *Prerequisite: MS 102 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 (1).** *Prerequisite: EG 226.* Experiments related to electrical circuits. Application and verification of the principles in electrical circuits. Three laboratory hours per week.
- Physics 331 and 331L. Introduction to Electronics (3) and Electronics Laboratory (1).** May be counted as courses in Engineering. For description, see Physics 331 and 331L.

- 343. Strength of Materials (4).** *Prerequisites:* EG 201 and MS 142. 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 241 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 142 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.
- 375. 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.

DEPARTMENT OF MUSIC (MU)

201 MASON HALL

Accredited by the National Association of Schools of Music

Fairleigh: Department Head

Professors: Armstrong, Brown, Davis, Fairleigh, Merriman, Roberts

Associate Professors: Knapp, Parker, Vallo

Assistant Professors: Barrett, Bodiford, Collins, Culver

Instructors: Gillespie, Tyler

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 the public schools of Alabama 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.

Entrance requirements: The regular University entrance requirements apply to the candidate for any degree offered by the Department of Music, plus special placement examinations in applied music and music theory, given at the time of matriculation.

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

Introduction to Music 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 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 in order that the student may receive 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. Successful completion of either MU 370 or MU 371 (Keyboard Harmony and Accompaniment) may be substituted for the proficiency examination.

All students majoring in music will appear in recital performance. Specific degree requirements concerning recital performance may be obtained from the academic adviser.

The academic adviser reserves the right to advise individual students to suit individual needs. Please see section regarding applied music fees.

INDIVIDUAL INSTRUCTION

Courses for Majors and Minors

A student who is not a major or minor may take the courses if qualified. Entrance to each of these courses is determined by a placement test prior to the student's registration.

Majors must take at least six semesters in individual applied music courses. The final two semesters of this work must culminate in a public recital. The series of individual applied music courses numbered 134 through 335 (2 hours credit each) must be completed by all majors.

Majors are required to complete six semesters (Music 104, 105, 204, 205, 304, 305) and minors are required to complete two semesters (Music 104 and 105) of Concerts and Recitals (see course description below). Requirements in this area for transfer students are determined by the Head of the Music Department.

104 Through 305. Concerts and Recitals (0 each semester). Applied students must attend at least fifteen 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.

113 Through 414. (2 each semester). Applied Music, instrumental or vocal, for the secondary applied music area of music majors. These courses are made available so that students may, upon the approval of the instructor and the Head of the Department, study in a secondary area in addition to the primary area. Lab fee.

134 Through 435. (2 each semester). The primary applied area for majors and minors. Includes studies, literature, improvisation and performance. Lab fee.

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, Moyse, 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 Ferling, 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, including the Mule and Teal transcriptions and original compositions for the saxophone.
- 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).** 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).** Senior Recital is designed to be taken concurrently with the eighth semester of applied music during which the senior recital is presented.

Prerequisite for all class applied courses: MU 102 or permission of department head.

170, 171. **Class Piano (1) (1).** Lab fee.

260. **Class Guitar (1).** Lab fee.

360, 361. **Class Voice (1) (1).** Lab fee.

370, 371. **Keyboard Harmony and Accompaniment (1) (1).** Lab fee.

380. **Class Woodwinds (1).** Lab fee.

381. **Class Brass (1).** Lab fee.

390. **Class Strings (1).** Lab fee.

391. **Class Percussion (1).** Lab fee.

BASIC MUSIC

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).** Music fundamentals, including written skills, keys, scales, intervals, triads, and elementary harmonic movement. The ability to read music is a prerequisite.

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

111. **Aural Skills. (1).** The development of aural skills through singing, dictation, and keyboard harmony.

112. **Aural Skills. (1).** *Prerequisite: Music 111.* Further development of aural skills.

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: Music 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: Music 102.* Developing facility in harmonic skills through the study of voice leading, nonharmonic tones, secondary dominants, and modulation.
202. **Music Theory (3).** A continuation of Music 201, a prerequisite. Introduction of the Neapolitan and augmented sixth chords, composition, form, and style.
203. **History of American Jazz (3).** A comprehensive, formalized study of American Jazz Masterpieces from 1900 to the present.
210. **Conducting (2).** *Prerequisites: Music 102 and 135 or equivalent.* Principles of interpretation and techniques of conducting are stressed through detailed study of selected compositions.
211. **Aural Skills (1).** *Prerequisite: Music 112.* Developing facility in sight singing, dictation, and keyboard harmony.
212. **Aural Skills (1).** *Prerequisite: Music 211.* A continuation of sight singing, dictation, and keyboard.
233. **Introduction to Music (3).** Music fundamentals, literature, and appreciation.
301. **Music Theory (2).** *Prerequisite: Music 202.* Calligraphic studies in counterpoint and studies of the organizing principles of music composition; their interactions in musical forms, and their functions indifferent styles.
302. **Music Theory (2).** *Prerequisite: Music 301.* A continuation of Music 301.
320. **Piano Pedagogy Fundamentals (2).** *Prerequisites: Music 234, or 214 (Applied Piano).* Fundamentals in forming a teaching philosophy, surveying methods for beginners and organizing an independent studio (business and professional aspects).
332. **Pre-College Piano Literature (2).** *Prerequisites: Music 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 toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advanced deposit required.
401. **Improvisation and Arranging (1).** *Prerequisites: Music 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 Music 401.
403. **Improvisation and Arranging (1).** Continuation of Music 402.
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: Music 101, 102, 111, 112.* A comprehensive formalized study of American Jazz Masterpieces from 1900 to the present. Ear training, harmonic analysis, formal and structural considerations, 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 (2).** *Prerequisite: Music 233.* A survey course correlating the development of music literature with the historical development of world culture from the early beginning of music to the Baroque Period.
412. **Music History and Literature (2).** *Prerequisite: Music 411.* A continuation of Music 411 from the Baroque Period to the present.
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.
428. **Piano Literature (3).** *Prerequisite: Music 412.* A survey of piano repertoire from the early Baroque era through the Contemporary period.
430. **Vocal Pedagogy (3).** Philosophy and methods of voice teaching, including a survey of literature and audio-visual aids available for vocal students.
432. **Orchestral Music Literature (3).** *Prerequisite: Music 412.* A survey of stylistic development in the history of orchestral literature, and detailed study of selected examples.
433. **Chamber Music Literature (3).** *Prerequisite: Music 412.* 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.
443. **Instrumental Conducting (3).** See MED 443 for course description.
444. **Choral Conducting (3).** See MED 444 for course description.

MUSIC EDUCATION (MED)

442. **Measurement and Evaluation in Music (3).** Introduction to existing musical aptitude and achievement measures. Evaluation of musical performance. Principles of test construction, formulae, and procedures for computing music basic statistical measures.
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. (Spring)
444. **Choral Conducting (3).** *Prerequisite: Music 210.* Training and experience in the techniques of Choral Conducting through the study of representative choral literature. Discussion of score preparation and rehearsal procedures. (Fall)
454. **Music Classroom Behavior (1).** Models for establishing and maintaining discipline in music classes and ensembles. Corequisite: MED 487.
471. **Elementary Music Materials and Methods (3).** Methods, materials, and problems of teaching general music. Grades N-6. (Fall)
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. (Spring)

487. **Internship in Grades N-12 (3).** Supervised classroom observation and student teaching in vocal and/or instrumental music in grades N-12. The education degree candidate is required to take a minimum of 9 hours internship and should consult an academic adviser about scheduling. Corequisite: MED 454. May be duplicated for credit for a total of nine (9) semester hours.

Music Ensembles (MU)

- 121, 321. **Mallet Ensemble (1).** Each number may be duplicated for credit for a total of four (4) semester hours.
- 132, 332. **Chamber 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.
- 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.
- 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. **Concert Band (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 (2).** 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 IN MUSIC
Concentration One: Music Education
FRESHMAN YEAR

Fall		Spring	
MU 104	0	MU 105	0
EH 101	3	EH 102	3
Natural Science	4	Natural Science	4
MU 233	3	Social/Behavioral	3
MU 101	3	MU 102	3
MU 111	1	MU 112	1
MU 134 ¹	2	MU 135 ¹	2
Required Ensemble ²	1	Required Ensemble ²	1
	17		17

SOPHOMORE YEAR

Fall		Spring	
Class Applied ⁴	1	MU 260	1
MS 102	3	MS 103 or above	3
EH 141	3	Literature	3
MU 201	3	MU 202	3
MU 211	1	MU 212	1
MU 234 ¹	2	MU 235 ¹	2
MU 204	0	MU 205	0
MU 170 ³	1	MU 171 ³	1
Class Applied ⁴	1	Class Applied ⁴	1
Required Ensemble ²	1	Required Ensemble ²	1
	16		16

JUNIOR YEAR

Fall		Spring	
MU 301	2	MU 302	2
HY 101 or 201	3	HY 101 or 202	3
MED 471	3	EPY 429 or MED 443 ⁵	3
MU 411	2	MED 481	3
MU 334 ¹	2	MU 412	2
MU 210	2	MU 335 ¹	2
MU 304	0	MU 300	0
Class Applied ⁴	1	MU305	0
Ensemble Elective	1	Class Applied ⁴	1
	16		16

SENIOR YEAR

Fall		Spring	
Literature	3	MED 487	9
Wellness	3	ESE 331	3
Social/Behavioral	3	EPY 332	2
EPY 429 or MED 444 ⁵	3	MED 454	1
Ensemble Elective	1		15
Class Applied ⁴	1		
Class Applied ⁴	1		
	15		

TOTAL HOURS: 128

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 the area (instrumental or vocal/choral) in which the student will seek certification. This selection includes Marching Southerners, Wind Ensemble, Symphonic Band, Concert Band, A Cappella Choir, and Chorus. Any deviation in the selection of required ensembles must have the written approval of the Head of the Music Department.

³All music education majors are required to pass Music 170 and 171 (Class Piano). Any student who demonstrates on his/her placement examinations given at matriculation that he/she has enough skill to pass the final examination in Music 170 and/or Music 171 may elect to challenge either or both of these courses.

*Class applied courses will be selected from the following: Music 360, Music 361, Music 370, Music 371, Music 380, Music 381, Music 390, Music 391.

[†]Students with an area concentration in instrumental music will elect Music Education 443 (only taught Spring); those with an area concentration in vocal/choral music will elect Music Education 444 (only taught Fall).

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
	17		17

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	3
Analysis	3	Analysis	3
HY 101 or 201	3	HY 102 or 202	3
MU 201	3	MU 202	3
MU 211	1	MU 212	1
MU 234 ¹	2	MU 235 ¹	2
MU 204	0	MU 205	0
Required Ensemble ²	1	Required Ensemble ²	1
	16		16

JUNIOR YEAR

Fall		Spring	
Social/Behavioral Science	3	Foreign Language (FH or GN Only) ..	3
Foreign Language (FH or GN Only) ..	3	Social/Behavioral Science	3
CS 201	3	MU 300	0
MU 301	2	MU 302	2
MU 210	2	MU 335 ¹	2
MU 334 ¹	2	MU 305	0
MU 304	0	Minor/Elective ³	5
Ensemble Elective	1	Ensemble Elective	1
	16		16

SENIOR YEAR

Fall		Spring	
Minor/Electives ³	9	Minor/Electives ³	9
MU 411	2	MU 412	2
Wellness	3	Minor/Electives ³	3
Ensemble Elective	1	Ensemble Elective	1
<hr/>		<hr/>	
15		15	

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.

²Each student must participate for at least four semesters in a required ensemble stressing his/her major applied area. This selection includes A Cappella Choir, Chorus, Marching Southerners, Wind Ensemble, Symphony Band, Concert Band, Jazz Ensemble, and Brass Choir. Any deviation in the selection of required ensembles must have the written approval of the Head of the Music Department.

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

DEPARTMENT OF PHYSICAL AND EARTH SCIENCES**238 MARTIN HALL****Johnson: Department Head****Professors: Baucom, Cox, Holstein, Johnson,****Klimasewski, Sewastynowicz, Studdard****Associate Professor: Gregg****Assistant Professors: Gryko, Otwell, Weinkauff, Williams**

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).

Core curriculum courses for chemistry, geography and physics majors in the PES department are listed in the "Plan of Study" for each major. A "Plan of Study" is 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://jsucc.jsu.edu/depart/geography>.

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, and 350.

For students majoring in geography in the geoarchaeology track, 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 covered 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).** *Prerequisites: AN 224 or permission of the instructor.* Topics, excursions and requirements determined by department. May be duplicated for credit; however, only three (3) credits may be applied toward any major or minor. Infrequently scheduled and subject to minimum and maximum numbers. Advance deposit required.
- 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)

The Bachelor of Science Degree with a major in chemistry is offered. After completion of the chemistry core curriculum, the student elects either the general or professional option to complete the major. The Plan of Study for a Chemistry major-general chemistry option- follows the Description of Chemistry Courses. Plans of study for other chemistry major options are available on our Internet Home Page.

The Bachelor of Science/Chemistry degree offered by the Department of Physical and Earth Sciences requires an overall minimum of 128 semester hours comprised of the following sub-requirements: 31-33 hours chemistry 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 education 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.

CHEMISTRY MAJOR. The chemistry core requirement consists of the following chemistry, physics and math coursework: CY 105, 106, 107, 108, 231, 232, 321, 341 and 342 or 362 and 363. PHS 211, 211L, 212, 212L; MS 141, 142.

Students complete the major by completing one of these options:

I. **Professional.** CY 411, 421 and 8 approved elective CY hours (400+); MS 241, 242, 344 and 3 approved elective MS hours (300+). Total CY hours in this major option: 44.

II. **General.** CY 411 or 421. Total CY hours in this major option: 31-33.

A major in chemistry with a concentration in environmental chemistry with a minor in environmental science management is also offered. It consists of the following chemistry courses: 105, 106, 107, 108, 231, 232, 321, 371, 421, and 471. In addition, the following courses are required. Environmental Science Courses (ESC) 101, 310, 321, 325, 326, 327, 341, 342, 345, 346, 347, 351, 401, 425, 426, 427, along with MS 204. **The environmental chemistry concentration is available only in combination with the environmental science minor.**

CHEMISTRY MINOR. A minor in chemistry consists of a minimum of 23 hours in chemistry, including 105, 106, 107, 108, 231, 232, 321, and one of the following: 311, 341, or 362.

Students entering Teaching Education must confer with the Department Head concerning the program of study.

DESCRIPTION OF COURSES

101. **Fundamentals of Chemistry (3).** Lecture/3 hrs. 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.
- 105, 106. **General Chemistry (3) (3).** Two semesters. Lecture/3 hrs. Systematic development of the fundamental principles of chemistry. It is strongly recommended that students with weak backgrounds in chemistry and mathematics take Cy 101 before attempting CY 105.
107. **General Chemistry Laboratory I: Basic Techniques (1).** Lab/3 hrs. Basic methods of synthesis, separation and identification of various compounds are emphasized. Should be taken concurrently with CY 105.
108. **General Chemistry Laboratory II: Synthesis and Analysis (1).** Lab/3 hrs. Basic methods of synthesis, separation and identification of various compounds are emphasized. Should be taken concurrently with CY 106.
109. **Elementary Organic Chemistry (4).** Lecture/3 hrs. 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.
110. **Elementary Organic Chemistry Laboratory (0).** Lab/2 hrs. Experiments that illustrate the basic principles of Organic Chemistry will be performed. Should be taken concurrently with CY 109.
164. **Physiological Chemistry (4).** Lecture/3 hrs. *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. Concurrent enrollment in CY 164L is required.
- 164L. **Physiological Chemistry Lab (0).** Lab/2 hrs. Concurrent enrollment in CY 164 is required. Laboratory for CY 164.

- 201, 202. **Chemistry for Liberal Arts (4) (4).** Two semesters. Lecture/3 hrs. For non-science majors, not open to students for credit toward a major or minor in chemistry. Emphasis on chemistry topics that affect our daily lives. *Concurrent enrollment in CY 201L, CY 202L is required.*
- 201L. **Chemistry for Liberal Arts Lab I (0).** Lab/2 hrs. Concurrent enrollment in CY 201 is required. Laboratory for CY 201.
- 202L. **Chemistry for Liberal Arts Lab II (0).** Lab/2 hrs. Concurrent enrollment in CY 202 is required. Laboratory for CY 202.
- 231, 232. **Organic Chemistry (4) (4).** Two semesters. Lecture/3 hrs. *Prerequisite:* CY106. The principles of organic chemistry emphasizing reaction mechanisms. Compounds representing principal organic classes are synthesized and systematically identified. *Concurrent enrollment in CY 231L, CY 232L is required.*
- 231L. **Organic Chemistry Lab I (0).** Lab/3 hrs. Concurrent enrollment in CY 231 is required. Laboratory for CY 231.
- 232L. **Organic Chemistry Lab II (0).** Lab/3 hrs. Concurrent enrollment in CY 232 is required. Laboratory for CY 232.
311. **Elementary Inorganic Chemistry (3).** Lecture/3 hrs. *Prerequisite:* CY 106. No credit for chemistry majors. Atomic structure, chemical bonding, periodic relationships and reaction mechanisms.
321. **Quantitative Analysis (4).** Lecture/2 hrs. *Prerequisite:* CY 106. Theory and practice of gravimetric, volumetric, potentiometric and colormetric methods of analysis. Concurrent enrollment in CY 321L is required.
- 321L. **Quantitative Chemistry Lab (0).** Lab/6 hrs. Concurrent enrollment in CY 321 is required. Laboratory for CY 321.
- 341, 342. **Physical Chemistry (4) (4).** Two semesters. Lecture/3 hrs. *Prerequisites:* CY 232 and 321; PHS 212 and 212L; MS 141 and 142. Structure and properties of matter with emphasis on theoretical principles and the mathematical interpretations. (Offered in alternate years.) Concurrent enrollment in CY 341L, CY 342L is required.
- 341L. **Physical Chemistry Lab I (0).** Lab/3 hrs. Concurrent enrollment in CY 341 is required. Laboratory for CY 341.
- 342L. **Physical Chemistry Lab II (0).** Lab/3 hrs. Concurrent enrollment in CY 342 is required. Laboratory for CY 342.
- 362, 363. **Biochemistry (4) (4).** Lecture/3 hrs. *Prerequisite for 362:* CY 231. *Prerequisite or corequisite for CY 363:* CY 232. Fats, carbohydrates, proteins, and nucleic acids with their metabolic routes. Enzymes and the kinetics of enzymatic action. Concurrent enrollment in CY 362L, CY 363L is required.
- 362L. **Biochemistry Lab I (0).** Lab/3 hrs. Concurrent enrollment in CY 362 is required. Laboratory for CY 362.
- 363L. **Biochemistry Lab II (0).** Lab/3 hrs. Concurrent enrollment in CY 363 is required. Laboratory for CY 363.
397. **Introduction to Research (1).** Laboratory and library work only. *Prerequisite:* *Permission of head of department.* The student's knowledge is integrated by application to a simple piece of research. May be duplicated for credit for a total of (2) semester hours.
403. **Chemical Literature (1).** One class period. *Prerequisite:* CY 232. Use of chemical abstracts, journals, and outstanding references and textbooks.
411. **Intermediate Inorganic Chemistry (3).** Lecture/3 hrs. *Prerequisite:* CY 341. Fundamental topics in inorganic chemistry including atomic structure, chemical bonding, periodic relationships, acid-base theories, non-aqueous solvents, and reaction mechanisms.

412. **Intermediate Inorganic Laboratory (1).** Lab/3 hrs. *Corequisite:* CY 411. The preparation and properties of inorganic compounds.
421. **Instrumental Analysis (5).** Lecture/3 hrs. *Prerequisite:* CY 342. The operating principles and techniques involving the use of analytical instruments. Concurrent enrollment in CY 421L is required.
- 421L. **Instrumental Analysis Lab (0).** Lab/6 hrs. Concurrent enrollment in CY 421 is required. Laboratory for CY 421.
430. **Environmental Chemistry (3).** Lecture/3 hrs. *Prerequisite:* 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.
471. **Toxicological Chemistry (3).** Lecture/3 hrs. *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. *Prerequisite:* *Permission of head of department.* The use of laboratory equipment and training aids for juniors and seniors planning careers in high school, college or university teaching. May be duplicated for credit for a total of (3) semester hours. Pass/Fail grade only.
497. **Senior Research (1).** *Prerequisite:* *Permission of head of department.* 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: GENERAL CHEMISTRY WITH PHYSICS MINOR

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY Sequence ¹	3	EH 141, Spch.	3
Fine Art ²	3	HY Sequence ¹	3
MS 141, CAL. I	4	MS 142, CALC. II	4
CY 105, Gen Chem.	3	CY 106, Gen Chem.	3
CY 107, Chem Lab	1	CY 108, Chem Lab	1
	<hr/> 17		<hr/> 17

SOPHOMORE YEAR

Fall		Spring	
Literature ³	3	Literature ³	3
CY 231, Org. Chem.	4	Social/Behavioral Sci. ⁴	3
PHS 211	4	CY 232, Org. Chem.	4
PHS 211L	1	PHS 212	4
Comp. Literacy	3	PHS 212L	1
	<hr/> 15		<hr/> 15

JUNIOR YEAR

Fall		Spring	
CY 341 or 362	4	CY 342 or 363	4
Social/Behavioral Sci. ⁴	3	Elective	3
CY 321, Quant. Ana	4	PHS 300+	3
PHS 301/301L	4	General Elective 300+	6
Wellness ⁵	3		
	<hr/>		<hr/>
	18		16

SENIOR YEAR

Fall		Spring	
CY 411 or 421	3 or 5	General Electives 300+	11
PHS 300+	3	PHS 300+	3
General Electives 300+	10 or 8		
	<hr/>		<hr/>
	16		14

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 AN 224, EC 222, CY 120, 220, PSC 100, PSY 201, SY 221.⁵Choose from FCS 215, 322, PE 109, MSC 113, 115, 116, 151-150.

ENVIRONMENTAL SCIENCE MANAGEMENT (ESC)

A minor in ESC is available only in combination with the major in chemistry with a concentration in environmental chemistry. See CY listing above for requirements.

DESCRIPTION OF COURSES

101. **Introduction to Environmental Regulations (3).** Overview of major regulations of air, water, hazardous and solid waste, hazardous substances, underground storage tanks, and associated worker safety and health.
310. **Environmental Law (3).** *Prerequisite:* ESC 101. An introduction to environmental law, including waste management and pollution prevention, relation of toxic substances, air and water pollution control, and protection of public resources.
311. **Natural Resources Law (3).** *Prerequisite:* ESC 101. An introduction to natural resources law including environmental public land and resources, mining, timber, water, and energy laws.
321. **Environmental Engineering (3).** *Prerequisite:* CY 106. An introduction to the field of environmental engineering. Topics include: environmental phenomena, impact of pollutants in the aquatic environment, solid waste management, air pollution control, radiological health, and simple water and waste water treatment systems.
341. **Environmental Geology (3).** *Prerequisite:* CY 105. Introduction to the fundamental principles of geology from an environmental perspective, emphasizing chemical characteristics, mineral resources, groundwater, and soils phenomena.
342. **Introduction to Groundwater Hydrology (3).** *Prerequisite:* ESC 341. Introduction to the basic principles of groundwater hydrology and contaminating transport pathways, and testing techniques.
351. **Environmental Ecology (3).** Overview of environmental scientific principles and concepts, human population, global problems, resources, and their management, pollution, environment, and society and the interdependence thereof.

401. **Environmental Regulations II (3).** *Prerequisite:* ESC 310. In-depth study of selected environmental regulatory laws relating to hazardous substances and wastes, clean air and clean water, and origins in statutory law.

ENVIRONMENTAL SCIENCE MANAGEMENT FIELD COURSES

325. **Regulatory Compliance I (3).** *Prerequisite:* Permission of instructor. Field experience in one or more of the following areas: Air Pollution, Management (Abatement), Air Permits, Clean Water Act, Storm Water Permits, Emergency Planning, Community Right-To-Know, SARA Title III, Environmental Assessment-Environmental Impact Statements, Environmental Compliance Assessment, Environmental Impact Statement, Preparing Base Spill Prevention and Response Plans, Safe Drinking Water Act Compliance, and Pollution Prevention Programs.
326. **Regulatory Compliance II (3).** *Prerequisite:* Permission of Instructor. See ESC 325 for description of field experience areas.
327. **Regulatory Compliance III (3).** *Prerequisite:* Permission of Instructor. See ESC 325 for description of field experience areas.
345. **Hazardous Substance Management I (3).** *Prerequisite:* Permission of Instructor. Field experience in one or more of the following areas: Hazardous Materials Management, Hazardous Waste Management (RCRA), Underground Storage Tank Management, Solid Waste Management, and Recycling (RCRA Subtitle D).
346. **Hazardous Substance Management II (3).** *Prerequisite:* Permission of Instructor. See ESC 345 for description of field experience areas.
347. **Hazardous Substance Management III (3).** *Prerequisite:* Permission of Instructor. See ESC 345 for description of field experience areas.
425. **Environmental Restoration I (3).** *Prerequisite:* Permission of Instructor. Field experience in one or more of the following areas: Site Evaluations, Review of Analytical Sample Data, Remediation and Investigations/Feasibility Studies.
426. **Environmental Restoration II (3).** *Prerequisite:* Permission of Instructor. See ESC 425 for description of field experience areas.
427. **Environmental Restoration III (3).** *Prerequisite:* Permission of Instructor. See ESC 425 for description of field experience areas.

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 geography major is performance-based with a research project required for graduation. The department offers three concentrations within the major and two geography minors. 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/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: 33 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 education 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.

GEOGRAPHY MAJOR. Requirements for a B.S. degree in geography include the following (17 hour) core of courses:

- GY 208 - Map Reading (3)
- GY 220 - Human Geography (3)
- GY 250 and 252 - Physical Geography plus lab (4) OR
GL 241 and 243 - Physical Geology plus lab (4)
- GY 315 - Research Methods (2)
- GY 316 - Quantitative Methods (2)
- GY 317 - Basic Mapping (2)
- GY 490 - Colloquium (1)

Students complete the major by choosing one of the following three concentrations:

I. General geography. (16 hrs) 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 202 - Geographic Thought (1)
- GY 300/400 level electives (15)
- Total hours using this concentration - 33

II. Geoarchaeology. (18 hrs.) 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.

- 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 - 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. (16 hrs.) 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.

- LS 320 - Employability Skills (1)
- GY 302 - Remote Sensing (3)
- GY 307 - Geographic Information Systems (3)
- GY 308 - Cartography: Map Design (3)
- GY 451 - Advanced Cartography/GIS (6)
- Total hours using this concentration - 33

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.

PHYSICAL GEOGRAPHY MINOR. A minor in Physical Geography requires a minimum of twenty (20) semester hours and must include GY 208. In addition, eight (8) hours must be chosen from the following: GY 250 and 252, GY 251 and 253, GL 241 and 243, GL 242 and 244; and nine (9) hours from GY 307, 331, 333, 344, 399, 431.

CULTURAL GEOGRAPHY MINOR. A minor in Cultural Geography requires a minimum of eighteen (18) semester hours and must include GY 120 and 220. In addition, twelve (12) hours must be chosen from the following: GY 320, 344, 351, 399, 422, 426.

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.
202. **Geographic Thought (1).** The development of geographic theory and methodology, with stress upon its relevance to current work in the discipline.

208. **Map Reading (3).** Two hours lecture, two hours lab. 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.
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).** Study of the function and distribution of the interrelated processes that shape Earth's weather and the classification and distribution of Earth's climates. Corequisite: GY 252, Physical Geography Lab.
251. **Physical Geography II: Landscape Patterns and Processes (3).** Study of Earth's soils, biomes and physiographic regions with emphasis on the processes that formed them and their global patterns. Corequisite: GY 253, Physical Geography Lab II.
252. **Physical Geography Laboratory I (1).** One two-hour lab per week. Experiments focus on weather, energy and moisture budgets, and climatic classification. Should be taken concurrently with GY 250.
253. **Physical Geography Laboratory II (1).** 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 landsurface features and the identification of physiographic regions. Should be taken concurrently with GY 251.
302. **Remote Sensing (3).** *Prerequisite:* GY 208. A general introduction to the principles and applications of remote sensing with an emphasis on aerial photography.
307. **Geographic Information Sys (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.
315. **Research Methods (2).** *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 writing and analysis. To be taken concurrently with GY 316 and GY 317.
316. **Quantitative Methods (2).** Survey of the basic quantitative techniques used in analyzing geographic problems. To be taken concurrently with GY 315 and GY 317.
317. **Basic Mapping (2).** An introduction to map compilation and layout and to computer-assisted map production. To be taken concurrently with GY 315 and GY 316.
320. **Political Geography (3).** A study of the spatial aspects of political phenomena from the international to the local scale. Suggested background: Geography 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.
344. **Environmental Conservation (3).** An examination of the nature, availability and distribution of those resources upon which we depend for our lives and lifestyles.
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 three (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).** This course provides opportunity to gain on-the-job experience with a firm or government agency. Consent of instructor required. Pass/fail grade only. May be duplicated for credit for a total of (6) semester hours.
403. **Independent Study (1).** This course gives the advanced student opportunity to pursue directed research. Consent of instructor required. Pass/fail grade only. May be duplicated for credit for a total of (3) semester hours.
422. **Geographic Views of History (3).** Use of the geographic perspective to examine facets of World, United States and Alabama history.
426. **Regions: Concepts and Methods (3).** Coastal plains and Biblebelts: what are regions, how are they created, how are they used to study the physical and cultural environment?
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.
451. **Advanced GIS (3).** *Consent of instructor required.* Advanced training in selected geographic techniques. Topic selection varies. See instructor. May be duplicated for credit for a total of (12) semester hours.
480. **Geography 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. Prerequisite: permission of Department Head. Pass/fail grade only. May be duplicated for credit for a total of (2) semester hours.
490. **Colloquium (1).** Results of a basic research project in geography are presented in written and oral form. Permission of instructor. Pass/Fail grade only.

PLAN OF STUDY

BACHELOR OF SCIENCE MAJOR: GENERAL GEOGRAPHY

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY Sequence ¹	3	EH 141, Spch.	3
MS 102, Alg.	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
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Literature ³	3	Literature ³	3
Fine Arts Elective ²	3	GY 220, Human	3
GY 120, World Regional Gy	3	GY 202, GY Thought	1
GY 208, Map Reading	3	CS 201, Intro. to D.P.	3
Science Elective w/Lab ⁵	4	Wellness	3
		Elective	3
	16		16

JUNIOR YEAR

Fall		Spring	
GY Electives 300+	6	GY Electives 300+	6
GY 315 Research Methods	2	Minor	7
GY 316 Quantitative Methods	2	GY 403	1
GY 317 Basic Mapping	2	General Elective 300+	3
Minor	6		
	17		18

SENIOR YEAR

Fall		Spring	
GY Electives 300+	3	General Electives 300+	14
General Electives 300+	10	GY 490	1
GY 403	1		
	14		15

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 AN 224, EC 222, GY 120, 220, PSC 100, PSY 201, SY 221.⁵Choose from BY 101 and 103, CY 105 and 107, GL 242 and 244, PHS 201 and 211L.

This Plan of Study is subject to change pending state articulation decisions.

GEOLOGY (GL)

A two-semester sequence of geology is offered which can be used to meet the university core natural science requirement. Students interested in earth science are encouraged to consider a major/minor in physical geography.

DESCRIPTION OF COURSES

241. **Geology I: Physical (3).** Modern concepts of the Earth's physical composition, crustal structures, and the internal/external forces acting on them.
242. **Geology II: Historical (3).** *Prerequisite:* GL 241. Study of the Earth's evolution including changes in its crust, surface features, atmosphere and life forms.
243. **Physical Geology Lab (1).** One two-hour lab per week. Emphasis on rock/mineral identification and the study of landforms through topographic and geologic map interpretation. Should be taken concurrently with GL 241.
244. **Historical Geology Lab (1).** One two-hour lab per week. Study of Earth history using geologic maps and the fossil record of plant and animal development. Should be taken concurrently with GL 242.

- 483. Geology Lab Practicum (1).** *Prerequisite: Consent 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.

COURSE DESCRIPTIONS

- 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).** 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. *Prerequisite: GL 241 or consent of instructor.*
- 445. Marine Paleoecology (4).** *Prerequisite: Consent of instructor.* Survey of paleoecology/paleogeography of principal marine fossil groups of Gulf Coastal Plain sediments.
- 450. Recent Marine Sedimentation (4).** Study of properties of marine sediments, coastal sedimentary environments, continental margin sediments, reef and associated sediments, deep sea sediments and marine geophysics. Emphasis in the field on the erosional and depositional effects of waves and currents. *Prerequisites: GL 390, BY 416, or consent of instructor.*

PHYSICS

The Bachelor of Science/Physics degree offered by the Department of Physical and Earth Sciences requires an overall minimum of 128 semester hours comprised of the following sub-requirements: 34 hours physics 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 education 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.

PHYSICS MAJOR. Requirements for a major in physics include 34 semester hours as follows (the courses are customarily taken in the order indicated): PHS 211, 211L, 212, 212L, 301, 301L, 343, 343L, 443, 443L, and 491, EG 201, 202, 361. The following prerequisites are necessary: MS 141, 142, 241, 344, 403, 484, CY 105, 106, 107, 108. Students in the Teacher Education Program should confer with the department head concerning their course requirements. The Plan of Study for a Physics major-general physics option follows the Description of Physics Courses. Plans of study for other physics major options are available on our Internet Home Page

PHYSICS MINOR. Requirements for a minor in physics include: 211, 211L, 212, 212L, 301, 301L, and nine hours in physics 300+. These courses will be selected in conference with a physics program adviser. Pre-service students should consult the College of Education (Advisement-Certification Office) for listing of required courses in the General Science Composite Options.

DESCRIPTION OF COURSES

- 201, 202. College Physics (3) (3).** Two semesters. Lecture/3 hrs. *Prerequisites:* MS 102, 103, or credit in high school algebra and trigonometry. *Corequisites:* PHS 211L, 212L. An introduction to topics in mechanics, heat, electricity, magnetism, sound, light, relativity, and atomic physics.
- 211, 212. Physics for Scientists and Engineers (4) (4).** Two semesters. Lecture/4 hrs. *Prerequisite or concurrently:* MS 141, 142. *Corequisites:* PHS 211L, 212L. An introduction to topics in mechanics, heat, electricity, magnetism, sound, light, relativity, and atomic physics, using calculus. Credit will not be granted for both 201 and 211, nor 202 and 212.
- 211L, 212L. Elementary Laboratory Techniques (1) (1).** Two semesters. *Corequisites:* PHS 201, 202 or 211, 212. Lab/2 hrs. To illustrate basic physical laws and give the student proficiency in the manipulation of apparatus. The theory of errors is stressed.
- PHS 212 and MS 142 are prerequisite to all 300 and 400 level courses, except 327, 331, 332, 339, and 342.**
- 271. Introduction to Astronomy (4).** Lecture/3 hrs. Lab/2 hrs. The solar system, time, space, and gravitation. The sun and stars; meteors, comets and meteorites; galaxies and cosmology. May not count as physics elective.
- 301. Modern Physics (3).** *Prerequisites:* CY 105, 106, 107, 108. *Corequisite:* PHS 301L. Elementary particles, quantum effects, electromagnetic radiation, atomic structure, optical and x-ray spectra, and the special theory of relativity.
- 301L. Modern Physics Laboratory (1).** *Corequisite:* PHS 301. Three laboratory hours each week. Fundamental studies in contemporary physics with emphasis on advanced laboratory procedures and techniques, and individual research. Topics covered include electronic charge and charge-to-mass determinations, Franck-Hertz Experiment; photoelectric studies; nuclear radiation detection; absorption, spectroscopy, and analysis; counting techniques and statistics; Bragg Diffraction.
- 327. Elementary Radiation Physics (3).** Intended for any student with a moderate interest in science, namely students of pre-medicine; pre-dentistry, nursing and biology. Types of radiation and how they interact with matter; dosimetry and absorbed energy measurements; biological effects and cool of radiation exposure; and applications of radiation and radioisotopes. Lecture periods occasionally replaced by laboratory periods at the discretion of the instructor.
- 331. Introduction to Electronics (3).** *Corequisite:* PHS 331L. Electrical measurements, power supplies, amplification by vacuum tubes and transistors, oscillators.
- 331L. Electronics Laboratory (1).** *Corequisite:* PHS 331. Three laboratory hours each week. Circuits described in Physics 331 are assembled and tested.
- 339A, 339B, 339C, . . . (1).** *No prerequisite.* One class meeting per week. A modular course about a topic of interest of the non-mathematic but inquiring mind, e.g.: "Metrication;" "Black Holes;" "Space Travel;" "Interstellar Communication;" "The Energy Crisis;" "Planetarium Operation;" "Light and Color;" "Concepts of Einstein's Relativity;" "The Weather;" etc. Does not count toward Physics major or minor.
- 342. Optics (3).** Geometrical and physical optics, spectra, wave and quantum aspects of electromagnetic radiation, refraction, reflection, dispersion, diffraction, interference, and polarization. Occasional classroom periods are replaced by laboratory work at the discretion of the instructor.
- 343. Electromagnetic Fields (3).** *Prerequisite:* MS 241. *Prerequisites or corequisites:* PHS 343L, MS 403. A summary of germane topics from vector analysis, which is used throughout the course; electrostatic fields, dielectrics, magnetic fields of steady currents, electromagnetic induction, magnetic materials, and Maxwell's Equations in differential and integral form.

- 343L. Electricity and Magnetism Laboratory (1).** *Corequisite:* PHS 343. Three laboratory hours a week. Basic electrical measurements, trajectories of charged particles in electric and magnetic fields, and basic electrical circuits.
- Engineering 361. Thermodynamics and Statistical Mechanics (3).** May be counted toward a physics major. For description, see EG 361.
- 382. Special Topics (3).** *Prerequisite:* Consent of instructor. A topic of current interest in the field of physics, offered by popular demand or due to the presence of a uniquely qualified lecturer.
- 403. Introduction to Special Relativity (3).** The failure of Newtonian Dynamics; the Lorentz-Einstein transformation; propagation of light, including stellar aberration and "drag coefficient;" classical and relativistic Doppler effect; relativistic collisions; electrostatic and magnetic forces.
- 411. Laboratory Practicum (1).** One or more laboratory periods per week. *Prerequisite:* permission of head of department. The use of laboratory equipment in physics instruction. For juniors and seniors planning careers in high school, college, or university teaching. May be repeated for a maximum of four semesters. Not for credit toward a major or minor. Pass/Fail grade only.
- 443. Electrodynamics (3).** *Prerequisite:* PHS 343. *Corequisite:* PHS 443L. Electromagnetic waves in free space and matter, reflection and refraction of electromagnetic waves, guided waves, field of a moving charge.
- 443L. Electricity and Magnetism Laboratory II (1).** *Corequisite:* PHS 443. Nonlinear devices, negative feedback, positive feedback and oscillation, microwave production, propagation, reflection, polarization, and diffraction.
- 491. Quantum Mechanics (3).** *Prerequisites:* PHS 301, 443, MS 484. Review of mathematical methods including linear operators, matrices, eigen functions, orthonormal functions, commutators. Heisenberg's Uncertainty Relation, Matter waves, Ehrenfest's Theorem, Expectation values. Solutions to the Schrodinger Equation for 'Particle in a box,' the linear harmonic oscillator, the one-dimensional crystal, and the hydrogen atom.

PLAN OF STUDY

BACHELOR OF SCIENCE MAJOR: PHYSICS WITH MATHEMATICS MINOR FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
MS 141, Cal I	4	EH 141, Spch	3
CY 105, Gen Chem	3	EG 112, Engin Methods	2
CY 107, Chem Lab	1	CY 106, Gen Chem	3
EG 121, Engin Graphics	3	CY 108, Chem Lab	1
Fine Arts Elective ²	3	MS 142, Cal II	4
	<hr/> 17		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Literature ³	3	Literature ³	3
HY Sequence ¹	3	HY Sequence ¹	3
PHS 211	4	Social/Behavioral Sci ⁴	3
PHS 211L	1	PHS 212	4
MS 241, Cal III	4	PHS 212L	1
	<hr/> 15	Wellness ⁵	3

JUNIOR YEAR

Fall		Spring	
Social/Behavioral Sci ⁴	3	PHS 343 Elec Mag Fields	3
MS 344, Diff Equations	3	PHS 343L, Lab	1
PHS 301, Modern Physics	3	PHS Elective	3
PHS 301L, Lab	1	MS 484, Partial Diff Equations	3
EG 201	3	Computer Literacy	3
MS 403, Vector Analysis	3	EG 202	3
	<hr/> 16		<hr/> 16

SENIOR YEAR

Fall		Spring	
PHS 443, Electrodynamics	3	PHS 491, Quantum Mech.	3
PHS 443L, Lab	1	General Electives 300+	12
EG 361, Thermodynamics	3		
General Electives 300+	9		<hr/> 15
	<hr/> 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 AN 224, EC 222, GY 120, 220, PSC 100, PSY 201, SY 221.⁵Choose from FCS 215, 322, PE 109, MSC 113, 115, 116, 151-150.

This Plan of Study is subject to change pending state articulation decisions.

DEPARTMENT OF POLITICAL SCIENCE (PSC)**315 MARTIN HALL****Gilbert: Department Head****Professors: Davis, Gilbert, Savage, Smith****Associate Professors: Allen, Hunter**

The Department of Political Science 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. 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.

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 101, 202, 203, 342, 352, 385, 386, 441, 443, 444, 445, 447, 450, 481, 488, 493, 495, and 497.

Global Studies: PSC 305, 332, 375, 376, 377, 380, 421, 423, 432, 433, and 436.

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. Regardless of major, pre-law students should take PSC 443 and 444 (Constitutional Law). Specific advisement may be obtained from Dr. Davis.

The Political Science Department sponsors the Law Club, 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 380 or 423

PSC 432 or 332

Three hours selected from PSC 305, 375, 376, 377, 421, 433, and 436.

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 359 and 366

College of Commerce and Business Administration

EC 300, 305, 450, and 461

FIN 434

MGT 496

MKT 493

In addition to the above, students minoring in International Studies must take History 101 and 102 and must take Geography 120 and 220.

*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

Political Science 100 is prerequisite to all other undergraduate courses in political science unless otherwise specified.

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.
202. **Introduction to Public Policy (3).** *No prerequisite.* A survey of the functions and major programs of the national government: 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.
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.
332. **International Organizations (3).** Principles, procedures, and functions of international governmental organizations including the United Nations, the Organization of American States, the North Atlantic Treaty Organization, the European Common Market, and International Judicial organizations.
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).** Organization and structure of the principal Latin-American nations, with emphasis upon constitutional development and present-day issues.
376. **Governments of Asia (3).** The government and politics of Asian countries except the Near East, with major emphasis upon the governments of China, Japan, and India, and the role of Asia in world affairs.
377. **Governments of Africa and Near East (3).** The government and politics of the Near East and the emergent African nations with attention to present developments and the role of these countries in world affairs.
380. **National Security Affairs (3).** Examines theories and policies of national security with concentration upon U.S. national defense policy. Particular emphasis is upon the roles of executive, legislative, and non-government actors. Topics include deterrence theory, arms control, military-civilian relations, manpower and weapons acquisition, and the economics of defense.
385. **Local Government and Administration (3).** The development of local government in both rural and urban areas in the United States, with an examination of the principal institutions and processes of local government. Main attention is given to the organization and administration of county government in the rural areas and city government in the urban areas. Not open to freshmen.
386. **State Government and Administration (3).** Structure and organization of American state government; state courts, state legislatures, the American governor, and major problems of state 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).** Basic principles of international relations, with emphasis on the modern state system, nationalism, diplomatic relations, and international politics.
433. **Governments of Western Europe (3).** Democracies of Western Europe, with major attention to the governments of Great Britain, France, and West Germany.
436. **The Politics of Underdeveloped Nations (3).** An analysis of political problems confronting new nations with special attention to the patterns of political change, and the role of government in social and economic development in underdeveloped nations.
441. **Government and Business (3).** Recent national policy in the area of business and labor, and the role of the national government in regulating these areas. Major attention is devoted to government policy against monopoly and unfair competition, and to the regulation of selected industries.
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 to 18th Century (3).** Political thought from Plato to the early modern period with emphasis upon the main ideas of leading political thinkers relative to government and the state.
452. **Modern Political Theory (3).** Main trends in political thought since 1700 with major attention upon the development of democratic, liberalism and the contrasting authoritarian philosophies of 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)
488. **Legal Internship (3).** *Prerequisite: 15 hours of political science.* Involves placement of student in Calhoun County District Attorney's Office, Alabama Seventh Judicial Circuit Offices, or lawyer's office for two half days per week. (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.
495. **Problems In Local Government (3).** Consists primarily of field trips to area local governments, in order for students to attend formal meetings, engage in question and answer sessions with a range of local officials, and learn about the "real world" of local government. Combines some classroom preparation and assigned readings with the field visits.
497. **Internship in Regional-Urban Planning (3).** *Prerequisite: 15 hours of political science.* Involves supervised assignment of student to the East Alabama Planning Commission or City of Anniston for two half days per week. (Pass-Fail Grade only)

BACHELOR OF ARTS

The Bachelor of Arts degree offered by the Political Science Department requires an overall minimum of 128 semester hours comprised of the following sub-requirements: A thirty 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, 41 hours of general studies courses, 23 hours of support courses and a minimum of 52 hours of 300/400 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 his/her major and minor courses and have a minimum 2.00 G.P.A.

MAJOR: POLITICAL SCIENCE

NOTE: This is a suggested course sequence only. All courses do not have to be taken in the exact sequence indicated. See advisor.

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 sequence)	3
Fine Arts	3	PSC 102	3
MS 102 or higher	3	MS elective	3
	<hr/> 15		<hr/> 15

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	3
Natural Science Seq.	4	Natural Science Seq.	4
Social/Behavioral Science	3	Social/Behavioral Science	3
CS 201	3	Wellness	3
CJ 101	3	Minor/General Electives	5
	<hr/> 16		<hr/> 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
	<hr/> 18		<hr/> 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
	<hr/> 15		<hr/> 15

TOTAL HOURS: 128

BACHELOR OF ARTS**MAJOR: POLITICAL SCIENCE/PRE-LAW**

NOTE: This is a suggested course sequence only. All courses do not have to be taken in the exact sequence indicated. See advisor.

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 102 or higher	3	MS elective	3
	<hr/> 15		<hr/> 15

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	3
Natural Science Seq.	4	Natural Science Seq.	4
Social/Behavioral Science	3	EC 222*	3
CS 201	3	Wellness	3
CJ 101	3	ACC 200/200L*	4
Minor/general elective	3		
	<hr/> 17		<hr/> 17

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	PHY 202*	3
	<hr/> 18	Minor/General Electives	3
			<hr/> 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	10
	<hr/> 15		<hr/> 16

TOTAL HOURS: 128

*These courses are suggested electives and should be taken only after advisement by the pre-law advisor.

DEPARTMENT OF PHILOSOPHY, ETHICS, AND RELIGION (PHY)**226 AYERS HALL****Patterson: Department Head**

Jacksonville State University does not offer a major or minor in Philosophy and Ethics, but students are encouraged to take these courses in support of their general education requirements. Please confer with the department head for specific advisement as to how these courses relate to other programs at this institution.

DESCRIPTION OF COURSES

- 202. Principles of Logic (3).** Major topics in the philosophy of language, and the principles of inductive and deductive logic. Designed for the general student and for those who expect to do advanced work in law, medicine, science, theology, and philosophy.
- 221. Introduction to Philosophy (3).** The meaning, scope, problems and methods of philosophy. Use is made of original materials.
- 231. Ethics (3).** The nature and source of moral values and the logic of moral reasoning in classical ethical systems.
- 335. Ethics for Human Services (3).** An applied ethics course in which ethical dilemmas confronted in human services vocations will be examined in relation to current moral, legal, and professional standards.

DEPARTMENT OF PSYCHOLOGY (PSY)**226 AYERS HALL****Patterson: Department Head****Professors: Bitgood, Crowe, McDade, Palya, Patterson, Smith, Suarez****Assistant Professors: Mastin, Roth**

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.A. or B.S.). The requirements for a major are a minimum of thirty-two (32) hours of psychology, including 201, 220, 220L, 310, 310L, 340*, 410, or 420, and fifteen (15) hours of advanced electives in psychology courses numbered 300 or above. No more than 6 hours of individual research and senior practicum may be counted as advanced electives for the psychology major.

Psychology Minor. The requirements for a minor are twenty (20) hours of psychology, including 201, 220, 220L, 310, 310L, 340* and six (6) hours of advanced electives in psychology courses numbered 300 or above. No more than three (3) hours of individual research and senior practicum may be counted as advanced electives for the psychology minor.

In the core curriculum, Psychology majors must take the courses listed under the "Plan of Study" located after the "Description of Courses."

*Or an equivalent Statistics course as approved by the department head.

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.

220. **Principles of Behavior Analysis (3).** *Prerequisite:* PSY 201. An introduction to principles of operant behavior analysis stressing experimental design, observing and recording techniques, and the basic principles of operant conditioning including schedules of reinforcement.
- 220L. **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.
310. **Experimental Methods (3).** *Prerequisites:* PSY 220, 220L. Introduction to scientific methodology as applied to behavior research. The most frequently used research designs are discussed with specific emphasis upon appropriate experimental controls.
- 310L. **Experimental Methods Laboratory (1).** *Corequisite or prerequisite:* PSY 310. Introduction to techniques of observation and control required for studying human behavior. Research and report-writing skills are also stressed.
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.
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, Jung, Lewis, Rogers, and Maslow.
337. **Psychology of Sex Roles (3).** Studies of the origin of sex differences within three theoretical models; biological, psychological, and sociological and examines the nature of these differences emphasizing current research in areas such as Androgyny, Sex Typing, Sexuality, Employment, Tokenism, and Marriage.
340. **Statistics for Life Sciences (3).** *Prerequisite:* MS 102, *recommended* MS 204. Basic statistical concepts and procedures. Demonstration and application of statistical analysis to behavioral research.
345. **Psychology of Language (3).** *Prerequisite:* PSY 201. Analysis of the development and evolution of referential and symbolic language.
350. **Social Psychology (3).** *Prerequisite:* PSY 201. A survey of the effects of society and cultural factors upon individual and group behavior. Topics include: conformity, persuasion, attitude change, leadership, self perception, aggression, and affiliation.
360. **Human Assessment (3).** *Prerequisites:* PSY 220, 340. Assessment and evaluation of human behavior using standardized tests, physiological techniques and behavioral techniques.
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. **Physiological Psychology (3).** *Prerequisites:* PSY 310, 310L. Study of the physiological structures and mechanisms which mediate between environmental events and behavior.
410. **History and Systems of Psychology (3).** *Prerequisites:* PSY 310, 310L. Examines the historical evolution of modern psychology and the conceptual systems which have been developed.

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.
420. **The Science of Psychology (3).** *Prerequisites:* PSY 310, 310L. A review of the logic and empirical foundations of psychological explanations.
424. **Behavior Modification (3).** *Prerequisites:* PSY 220, 220L. Describes the extension of behavior technology to clinical and educational settings. Emphasis will be on a variety of behavior therapy procedures.
425. **Health Psychology (3).** *Prerequisite:* PSY 220. The use of psychological techniques within medical settings for problems such as hypertension, pain, asthma, eating disorders, and smoking.
- 430, 431. **Seminar in Current Problems (3) (3).** *Prerequisites:* PSY 310, 310L 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.
- 440, 441. **Individual Research (3) (3).** *Prerequisites:* PSY 310, 310L, and consent of the instructor. Students will conduct supervised research projects in an area of their own choosing.
444. **Conditioning & Learning (3).** *Prerequisites:* PSY 310, 310L. A review of research, investigating and basic parameters of conditioning and its theoretical implications. Topics covered will include operant and respondent conditioning, discrimination and punishment.
- 444L. **Conditioning & Learning Lab (1).** *Corequisite or prerequisite:* PSY 444. Students will replicate some classic experiment in the areas of conditioned reinforcement or stimulus control and will design and conduct an original short research project.
455. **Environmental Psychology (3).** Students will learn how to identify environment-person interaction problems, how to measure behavior, and how to make changes in behavior of the environment. (Formerly PSY 355).
- 460, 461. **Senior Practicum (3) (3).** *Prerequisites:* PSY 310, 310L, or 340 and consent of instructor. Practice of behavioral techniques in an instructional setting.
- 480, 481. **Community Practicum (3) (3).** *Prerequisites:* PSY 220, 220L, 330, and consent of instructor. Practice of psychological techniques in a community organization such as mental health clinics, juvenile detention centers, etc.

BACHELOR OF SCIENCE

The Bachelor of Science/Arts degree offered by the Psychology Department requires an overall minimum of 128 semester hours comprised of the following sub-requirements: 32 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.

MAJOR: PSYCHOLOGY**FRESHMAN YEAR**

Fall		Spring	
EH 101 Eng. Comp.	3	EH 102 Eng. Comp.	3
Natural Science	4	EH 141 Oral Comm.	3
CS 201 Intro to Data Proc.	3	MS 102 Coll. Alg.	3
Wellness	3	Natural Science	4
PSY 201 Prin. of Psy.	3	PSY 220 Prin. Beh. Analy.	3
	<hr/>	PSY 220L Beh. Analy. Lab	1
	16		<hr/>

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature	3
MS 103, 104 or 204	3	History	3
Social Behavioral Science	3	Electives	3
History	3	Fine Arts	3
Electives	4	Soc/Behavioral Science	3
	<hr/>		<hr/>
	16		15

JUNIOR YEAR

Fall		Spring	
PSY 310 Exper Methods	3	PSY 340 Stat for Life Sci	3
PSY 310L Lab	1	PSY 300+	6
PSY 300+	6	Minor/Electives 300+	6
Minor/Electives	3		<hr/>
Electives 300+	3		15
	<hr/>		
	16		

SENIOR YEAR

Fall		Spring	
PSY 410* or PSY 300+	3	PSY 420* or PSY 300+	3
Minor/Electives 300+	15	Minor/Electives 300+	12
	<hr/>		<hr/>
	18		15

TOTAL HOURS: 128

* Either 410 or 420 is required

DEPARTMENT OF SOCIOLOGY (SY) AND SOCIAL WORK (SW)**306 BREWER HALL****Turner: Department Head****Fagan: BSW Program Director****Hill: Sociology Program Director****Professors: Adams, Aveni, Fagan, Friery, Hill, McCain****Associate Professor: Turner****Instructors: Barclift, Powe, Smith, Snider, Womack**

The BSW Program is accredited by the Council on Social Work Education.

See the BSW Program Web Page at <http://www.jsu.edu/depart/sowk> for complete information about the BSW Program.

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. The goals of Gerontology are to acquaint students with the problems, priorities, and programs available for elderly citizens. The goals of Social Work are to provide a knowledge of human behavior, the humanistic value base, and the problem-solving and interactional skills necessary for the generalist practice of Social Work in a variety of settings.

MAJOR IN SOCIOLOGY (B.A. or B.S.) The requirements for a major in Sociology are a minimum of 30 semester hours which must include 221; 223; 301; 304 or its equivalent*; 310; 427; and 499. The other 9 hours are elective and may be selected from SY courses. SW 330 may be substituted for 3 of the 9 hours. Students are required to become computer literate. CS 201 (3 credits) is required. SY 221 - Intro. to Sociology is a prerequisite introductory course that should be taken during the freshman or early sophomore year. It is strongly urged that SY 301 and SY 304 be taken before the scheduling of electives, as these courses will acquaint the student with skills and knowledge needed to read and understand the discipline. SY 427 is offered only in the Fall and should be scheduled no later than the fall semester of the senior year. SY 499 is offered only in the Spring and should be taken during the spring semester of the senior year.

Students are urged to consult with the Department Head regarding assignment to an academic advisor, who will be helpful in choosing electives. Sociology majors may select their electives freely within the limits specified above or, by a wise choice of electives, the student can embark on a concentration; the student should balance breadth and depth as best suits his or her own needs and future plans.

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 hrs. Area II. Humanities and Fine Arts—2 Literature Courses from the following (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 hrs. Area III. Natural Sciences and Mathematics—BY 101, 102, 103, and 104 plus MS 102=11 hrs. Area IV. History, Social, and Behavioral Sciences—HY 101 and HY 102 or HY 201 and HY 202; PSY 201; and SY 221=12 hrs. Area V. Pre-professional, Major, and Elective Courses—EC 221, or 222; PSY 100; MS 204 (stats); CS 201; one course from the following (FCS 215, HLT 213, MSC 115, or PE 109); and 8 hrs. of general electives = 23 hrs.

The requirements for a Bachelor of Social Work degree include 54 semester hours of social work courses. The following 39 hrs. of social work courses are required: SW 330, 332, 350, 380, 381, 390, 391, 448, 449, 450, and SY 360. Introduction to Social Work (SW 330) is a prerequisite to all required social work courses except SW 380 (HBSE I). Students will get their remaining 15 hours in social work by taking five social work elective courses: SW 333, 334, 335, 336, 337, 338, 339, 392, 399, 441, 442, and 443. These social work electives do not have a prerequisite. Students working on a BSW degree are not required to have a minor in another academic discipline.

Admission to the BSW Program requires completion of 30 semester hours, a 2.25 overall GPA, and passing SW 330 with a "C" or better. Admission applications are distributed at the end of SW 330 and can also be picked up at the Departmental Office. Students must be formally admitted to the BSW Program before taking 391, 448, 449, and 450. A 2.25 GPA in social work courses is required for graduation. Students should work closely with a social work advisor to plan a sequential course of study.

SOCIOLOGY MINOR. A minor in Sociology is offered within the Department of Sociology and Social Work. 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 340 and 370. 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 380, HLT 420**, REC 311**, and PSY 323.

*See department head for equivalent.

**No prerequisites required for gerontology minors.

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 100. Computers are used in the analysis of survey data. Commonly used software packages, such as SPSS, are employed. Lab fee.
304. **Social Statistics (3).** *Prerequisite:* An algebra course. 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.
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.

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. The relationship of disease to society including the analysis of the leading causes of death in various cultures. Also includes the epidemiology of nursing, nutrition, medical systems, ethnopharmacology, transcultural psychiatry, population and family planning and longevity.
366. **Religion and Society (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.
370. **Aging and Human Development (Social Gerontology) (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.
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.
427. **Contemporary 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 after the First World War.
- 441, 442, 443. **Independent Study (3 hours each).** An opportunity for the student with advanced standing to explore areas of special interest. Students seeking admission must have advanced standing and secure approval of instructor and head of department.
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.
- 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.

REQUIREMENTS FOR BACHELOR OF ARTS/BACHELOR OF SCIENCE

PLAN OF STUDY FOR MAJOR IN SOCIOLOGY

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY 101, or HY 201	3	EH 141, Spch	3
Natural Science*	4	HY 102, or HY 202	3
Fine Arts Elective*	3	Natural Science*	4
SY 221, Intro to Soc	3	SY 223	3

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*See advisor.

SOPHOMORE YEAR

Fall		Spring	
EH 201,202,203,204,219,or 220	3	EH 201,202,203,204,219,or 220	3
MS 102, Alg.	3	Elective	3
Social/Behavioral Science	3	CS 201	3
Elective	6	Minor/Electives	8
	<hr/> 15		<hr/> 17

JUNIOR YEAR

Fall		Spring	
SY 310	3	SY 300 +	3
SY 300 +	3	Minor/Electives	3
Minor/Electives	9	Minor/Electives 300+	6
SY 301	3	SY 304	3
	<hr/> 18		<hr/> 15

SENIOR YEAR

Fall		Spring	
SY 300+	3	SY 499, SR. Seminar	3
SY 427, Cont Soc Theory	3	Elective 300+	3
Minor/Electives 300+	9	Minor/Electives 300+	10
	<hr/> 15		<hr/> 16

TOTAL HOURS: 128

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 25 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 (3).** An exploration of the history of child welfare service in this country, as well as current trends in this field of Social Work. Foster care, adoption and protective services will be viewed in a historical perspective ending with an evaluation of current policy and future implications for Social Work practice in child welfare areas.
334. **Volunteerism (3).** Current trends and the historical development of volunteerism in social services are discussed. Developing, managing, and evaluating volunteer programs are reviewed.
335. **Social Work in Health Care (3).** This course explores social work practice in various health care settings such as hospitals, health maintenance organizations, long-term care facilities, and home health care agencies. The psychosocial aspects of working with clients (patients) and the range of intervention strategies available to social work practitioners will be discussed.
336. **Crisis Intervention. (3).** This course provides content in crisis theory and intervention strategies. May be used as an elective in social work.

337. **Family Preservation Practice (3).** This course will explore in depth the historical development of Family Preservation Practice, the success and failures of Public Law 96-272 and Public Law 103 Family Support Act of 1993. Guiding Family Preservation principles and values will be introduced to students with an emphasis on the practitioner's role in the provision of Family Preservation Services across systems. The impact of cultural values and/or barriers that impede or influence Family Preservation Services to clients will be addressed.
338. **Social Work Practice in Mental Health and Substance Abuse Treatment (3).** This course is designed to teach students the current trends in the treatment of mental illness and substance abuse. The psycho-social aspects of practice with these populations are discussed. In addition, the mental health and substance abuse policy and delivery system will be presented.
339. **Communication In Social Work Practice (3).** An exploration of the historical development and current trends in both verbal and written forms of social work communication. Students will gain understanding in the development of effective presentations; psycho-social assessments; memorandums; proposals, progress notes; agendas; minutes; and other types of communication needed to be effective social work practitioners.
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.
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.
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.
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.
391. **Social Work Practice II (3).** *Prerequisites: SW 330 and SW 390.* Generalist practice skills will be developed for work with families and groups. Family assessments and interventions, and group practice issues will be reviewed.
392. **Rational Emotive Therapy (3).** *Prerequisite: Acceptance into the BSW program.* The process of how emotions work and how humans can learn to behave more rationally in dealing with anger, anxiety, and depression are reviewed.
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.
- 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.
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 450 (3) and SW 449 (9).

- 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 accompanied by a seminar (SW 450) and a practice course (SW 448).
- 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.

BACHELOR OF SOCIAL WORK DEGREE (BSW)

Recommended Course Sequencing

FRESHMAN YEAR=32 hours

EH 101, Comp.	3	EH 102, Comp.	3
HY 101 or HY 201	3	EH 141, Speech	3
BY 101, Intro	3	HY 102 or HY 202	3
BY 103, Bio Lab	1	BY 102, Intro	3
ART 202, MU 233, FL 101 or DR 242 ..	3	BY 104, Bio Lab	1
SY 221, Intro	3	PSY 201, Intro	3

SOPHOMORE YEAR=32 hours

EH 201,202,203,204,219, or 220	3	EH 201,202,203,204,219, or 220	3
MS 102, Alg.	3	MS 204, Stats.	3
CS 201, Intro to DP	3	General Electives	8
PSC 100, Intro	3	EC 221 or 222	3
FCS 215, HLT 213, MSC 115, or PE 109	3		

JUNIOR YEAR=34 hours

SW 330, Intro to SW.	3	SW 381, HBSE II	3
SY 360, Ethnicity	3	SW 350, Research	3
SW 380, HBSE I	3	SW 390, Pract. I	3
SW Elective	3	SW Electives	6
General Electives	4	General Elective	3

SENIOR YEAR=30 hours

SW 332, Soc. Policy	3	Final Semester	
SW 391, Practice II	3	<i>(Courses taken concurrently)</i>	
SW Electives	6	SW 448, Practice III	3
General Elective	3	SW 449, Field Placement	9
		SW 450, Field Seminar	3

TOTAL HOURS: 128 for the BSW Degree

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Dean: William T. Fielding

Accredited by AACSB - The International Association for Management Education

MISSION STATEMENT

Statement of Purpose

The primary mission of the College of Commerce and Business Administration is to provide high quality, innovative undergraduate and graduate management education, primarily for the citizens of Northeast Alabama. Our educational programs are designed to prepare students for leadership roles in the dynamic, global environment of profit and nonprofit organizations. Complementing our primary responsibility of excellence in teaching, we also value faculty scholarship and service. The faculty, staff, and administration of the College are committed to continuously improve the quality of our academic programs, our student support activities, and our service to the local and regional community.

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. We seek for our graduates to be perceived as leaders of society, not simply business managers. Employers of our baccalaureate and MBA graduates should be confident they are hiring individuals who are computer literate, ethical, globally aware, analytical, decision-making professionals, and who possess fully developed oral, written, and interpersonal communication skills. They should be able to adapt to rapidly changing technology, and recognize diversity in the workplace. We seek to take a leadership role in the provision of management education for those individuals requiring retraining as a result of the rapid and massive structural changes in the U.S. economy. 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 College values basic research, applied research and instructional development activities of the faculty. The College believes that teaching and scholarly activity are interdependent; that research enhances faculty effectiveness in the classroom and provides students with state-of-the-art business knowledge.

Internal Interaction

We believe collegiality demands that faculty be good citizens of their respective department, the College, and the University. Faculty are encouraged to actively participate in the governance of the institution through service on committees.

External Interaction

The College seeks to take a leadership role in the economic development of the State of Alabama, specifically its Northeast region. Faculty 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 guest speakers, executives-in-residence, and advising groups. Outreach activities are encouraged through the support of faculty, staff, students, and alumni in continuing education, consulting, internships, and field projects. The faculty seeks to assume leadership roles in professional and civic organizations that provide a positive impact on the community and the region through service on State or regional commissions, boards, or committees. We strive to enhance the quality of life in

Northeast Alabama and in the State by fostering participation in professional and civic activities, and by our involvement in continuing education programs.

Vision Statement

The College aspires to be recognized as one of the premier public regional undergraduate schools of business in the Southeast. The faculty, staff, and administration of the College are committed to continuously improve the quality of our academic programs, our student support activities, and our service to the local and regional community.

This College offers the Bachelor of Science degree with majors in the following areas of study: Accounting, Economics, Finance, Management, and Marketing. A Bachelor of Arts with a major in Economics is also available. The College of Commerce and Business Administration (CCBA) offers minors in accounting, economics, finance, business administration, management, and marketing.

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 61 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 61 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 305, 390; CBA 320, 350, 396 (all prerequisites must be adhered to). Students who attempt to enroll in classes without appropriate prerequisites will be administratively disenrolled.
4. Students, who begin their program at JSU, will follow the program of study outlined in the JSU Catalogue which 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 within 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 major areas are advised by a faculty member from that area. Advisor assignments are made at the time of admission into the major.

COURSE TRANSFER POLICY

Transfer credit for business core courses MGT 305, MKT 301, and/or FIN 301 completed at levels lower than the 300 level is validated through the office of the Dean of the College of Commerce and Business Administration. Credit for the above mentioned lower division business core courses completed with a satisfactory grade of C or better at another institution will apply toward meeting business core requirements at JSU upon proper validation. See Student Support Services Coordinator in the College of Business.

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).

CCBA CORE REQUIREMENTS

The following courses are included in the CCBA Core: CBA 100, 320, 350 (or EH 322), 396, 469; ACC 200, 200L, 210; CS 201; ST 260, 261; FIN 292, 301; EC 221, 222, 303 or 321 or 322; MKT 301; and MGT 305, 390. A student must earn a minimum "C" average (2.00 GPA) in CCBA core subjects and CCBA core subjects taken in residence.

OTHER 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. In addition, no more than 50 percent of the credit hours required to complete a student's program may be taken within the College of Commerce and Business Administration.

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 or be currently enrolled in ACC 200, 200L, 210; EC 221, 222; MS 102, and ST 260. 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 with junior standing (64 hours or above) 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 102, Algebra	3	ST 260, St & QM I	3
CS 201, Intro to DP	3	Fine Arts & Humanities ²	3
CBA 100, CBA Orient	1	HY ³	3
	14		16

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. Env	3	EC 222, Prin of Econ II	3
EC 221, Prin of Econ I	3	ACC 210, Prin of Mgr Acc	3
ACC 200, Prin of Fin Acc	3	Fine Arts & Humanities ²	3
ACC 200L, Lab	1		
	<hr/> 16		<hr/> 15

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.

²Students must select from the following classes: Art 202, DR 242, MU 233, FL 101, or PHY 221.

³Students may take HY 101, 102, 201, or 202.

⁴Students must select from the following literature classes: EH 201, 202, 203, 204, 219, 220, 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 Sys	3	ACC 372, Inc. Tax	3
ACC 310, Fin. Acc I	3	ACC 360, Fin. Acc II	3
PSC 100, Intro Am Govt	3	MGT 305, Mgt & Org. Beh.	3
EH 141, Oral Comm	3	FIN 301, Bus Fin	3
CBA 396, Int'l Bus	3	MKT 301, Prin Mkt	3
CBA 350 or EH 322	3	CBA 320, TQ & Leadership	3
	<hr/> 18		<hr/> 18

SENIOR YEAR

1st Semester		2nd Semester	
ACC 410, Fin Acc III	3	ACC 477, Audit	3
ACC 371, Cost Acc	3	ACC Elective	3
MGT 390, Ops & Tech	3	CBA 469, Bus Pol.	3
EC 303, 321, or 322	3	General Electives ¹	6
General Electives ¹	3	General Electives ¹ (300+)	1
	<hr/> 15		<hr/> 16

¹All General Elective credits must be in coursework outside CCBA

**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.

Similar laws are expected to be in effect in most of the 50 states and territories of the United States by the year 2000.

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 Head of the Department of Accounting for assistance in planning a course of study which includes the appropriate additional undergraduate or graduate coursework.

150 HOUR CERTIFICATE PROGRAM

The Department of Accounting recognizes that some students may wish to satisfy the 150 Hour Law by completing additional undergraduate coursework. For these students the Department offers a program of study that may be tailored to their individual needs. Enrollment is restricted to accounting majors and students holding baccalaureate degrees who meet specific course prerequisites. Certificates of achievement will be awarded for each of the following courses completed with a grade of "C" or better, when taken in addition to baccalaureate degree requirements.

- * ACC 398 Governmental Accounting
- * ACC 476 Advanced Income Tax Accounting
- ACC 478 Accounting Theory
- ACC 489 Accounting Internship
- * ACC 490 Advanced Auditing
- ACC 497 Seminar in Accounting
- * FIN 300 Business Law

- * These subjects are specifically required by the Alabama 150 Hour CPA Law. Other listed courses satisfy elective course requirements of the Law if needed to attain 33 semester hours of accounting.

ECONOMICS

JUNIOR YEAR

1st Semester		2nd Semester	
EC 321, Interim Micro	3	EC 322, Interim Macro	3
PSC 100, Intro Am Govt	3	EC Elective	3
EH 141, Oral Comm	3	FIN 301, Bus Fin	3
MGT 305, Mgt & Org Beh	3	MGT 390, Ops & Tech	3
MKT 301, Prin Mkt	3	CBA 320, TQ & Leadership	3
CBA 350 or EH 322	3	CBA 396, Int'l Bus	3
	<hr/>		<hr/>
	18		18

SENIOR YEAR

1st Semester		2nd Semester	
EC Electives	6	EC 463, Seminar	3
General Electives ¹	9	EC Electives	6
	<hr/>	CBA 469, Bus Pol	3
	15	General Electives ¹ (300+)	4
			<hr/>
			16

¹Eight credits of General Electives must be in coursework outside of CCBA

FINANCE**JUNIOR YEAR**

1st Semester		2nd Semester	
CBA 350 or EH 322	3	FIN 441, Fin Mgt	3
FIN 301, Bus Fin	3	FIN Elective	3
MGT 305, Mgt & OB	3	CBA 396, Int'l Bus	3
MKT 301, Prin Mkt	3	CBA 320, TQ & Leadership	3
EH 141, Oral Comm	3	MGT 390, Ops & Tech	3
PSC 100, Intro Am Govt	3	EC 303, 321 or 322	3
	<hr/> 18		<hr/> 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	6	CBA 469, Bus Pol	3
	<hr/> 15	General Electives ¹	3
		General Electives ¹ (300+)	1
			<hr/> 16

¹All General Elective credits must be in coursework outside CCBA

MANAGEMENT**JUNIOR YEAR**

1st Semester		2nd Semester	
EH 141, Oral Comm	3	MGT 372, Dynamics of Org	3
PSC 100, Intro Am Govt	3	MGT 385, Hum Res Mgt	3
CBA 350 or EH 322	3	CBA 320, TQ & Leadership	3
FIN 301, Bus Fin	3	CBA 396, Int'l Bus	3
MGT 305, Mgt & OB	3	EC 303, 321 or 322	3
MKT 301, Prin Mkt	3	MGT 390, Opr & Tech	3
	<hr/> 18		<hr/> 18

SENIOR YEAR

1st Semester		2nd Semester	
MGT 420, Teams	3	CBA 469, Bus Pol	3
MGT Elective	6	MGT 491, Seminar	3
General Elective ¹	3	MGT Elective	3
General Elective ¹ (300+)	4	General Elective ¹	6
	<hr/> 16		<hr/> 16

¹Eight credits of General Electives must be in coursework outside CCBA

MARKETING JUNIOR YEAR

1st Semester		2nd Semester	
EH 141, Oral Comm	3	MKT 378, Cons Beh	3
PSC 100, Intro Am Govt	3	MKT elective	3
CBA 350 or EH 322	3	CBA 320, TQ & Leadership	3
FIN 301, Bus Fin	3	CBA 396, Int'l Bus	3
MGT 305, Mgt & OB	3	EC 303, 321 or 322	3
MKT 301, Prin Mkt	3	MGT 390, Opr & Tech	3
	18		18

SENIOR YEAR

1st Semester		2nd Semester	
MKT 361, Sales	3	CBA 469, Bus Pol	3
MKT 363, Ind Mkt	3	MKT 495, Mktg Mgt	3
MKT 493, Int'l Mkt	3	MKT 497, Mkt Research	3
General Elective ¹	6	MKT Elective	3
	15	General Elective ¹	3
		General Elective ¹ (300+)	1
			16

¹All General Elective credits must be in coursework outside CCBA

MINORS

Minors in business related areas are not available as part of the regular degree program (128 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.

A minor in Accounting consists of at least nineteen hours of Accounting courses including: ACC 200, 200L, 210, 301, 310, 372, and three hours of 300-400 level Accounting courses.

A minor in Business Administration consists of at least twenty-five hours including: ACC 200, ACC 200L, ACC 210, CBA 320, FIN 292, FIN 301, MGT 305, MKT 301, ST 260.

A minor in Economics consists of at least eighteen hours of Economics classes including 221, 222, 300 or 301 or 302, 321 or 322.

A minor in Finance consists of at least eighteen hours of Finance courses, including FIN 301, 441, 474 and nine hours of 300-400 level FIN electives.

A minor in Management consists of at least eighteen hours of Management courses including MGT 305, 385, 390, and nine hours of 300-400 level MGT electives.

A minor in Marketing consists of at least eighteen hours of Marketing courses including MKT 301, 361, 363, 378, 497 and three hours of marketing electives.

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 102, Alg.	3	ST 260, ST & QMI	3
HY ²	3	Fine Arts and Humanities ³	3
General Elective	3	Social and Behavioral Science ⁴	3
	16		16

SOPHOMORE YEAR

1st Semester		2nd Semester	
EC 221, Prin of Econ I	3	Fine Arts & Humanities ³	3
Literature ⁵	3	EC 222, Prin of Econ II	3
General Electives	3	Minor Course	3
Minor Course	3	Computer Science 201	3
Fine Arts & Humanities ³	3	Social and Behavioral Science ⁴	3
	15		15

JUNIOR YEAR

1st Semester		2nd Semester	
Economics Electives	6	EC 321, Intern Micro	3
Minor Course	3	Economics Electives	3
General Elective	6	Minor Course	3
	15	General Electives	9
			18

SENIOR YEAR

1st Semester		2nd Semester	
EC 322, Intern Macro	3	Economics Elective	3
Economics Electives	6	Minor Course	3
Minor Course	3	General Electives	
General Elective	3	(or minor courses if needed) ⁶	12
	15		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.

²Students may select from HY 101, 102, 201 or 202.

³Literature—Select from the following: EH 201, 202, 203, 204, 219, 220, 231, 232.

⁴Social and Behavioral Science—Select from the following: AN 224, GY 120, CJ 101, PSC 100, PSY 201, SY 221.

⁵Fine Arts and Humanities—Select from the following: ART 202, DR 242, MU 233, FL 101, PHY 221.

⁶Of the total hours, 52 must be numbered 300 or above.

BUSINESS MANAGEMENT CERTIFICATE PROGRAM

The Department of Management recognizes that some individuals might have a need for basic business management education, but are not in a position to return to school to complete a degree. The Business Management Certificate Program provides for supervisors and middle managers, or those having a strong desire to enter such positions, a program to assist them in acquiring the skills and knowledge that will broaden their exposure to management techniques. This Program is designed for the adult student who has either attained a high school diploma or a GED. A non-traditional admission category is available for those who have not taken the ACT or SAT and who do not desire regular admission to the University. These students should contact the Office of Admissions and Records for details on this admission category. Students entering in this admission category may only complete the courses required for the Certificate. In the event that students wish to continue their education at JSU after completion of the Certificate, they must be admitted to the University in a degree-seeking status. Once completing the Certificate Program, if students desire admission to the College of Business in a degree-seeking status, they must follow all policies and procedures outlined in the Catalogue pertaining to the College's programs.

The Business Management Certificate Program requires the completion of seven (7) courses as indicated below. All courses must be completed at Jacksonville State University with a minimum C average earned over all courses.

Interested students should contact the College's Associate Dean at (256) 782-5780.

- ACC 200 Principles of Financial Accounting

- ACC 200L Principles of Financial Accounting Lab
- FIN 292 Legal and Social Environment
- EH 141 Oral Communication
- MGT 305 Management & Organizational Behavior
- MGT 385 Human Resource Management
- PSY 201 Principles of Psychology

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). Fall and Spring.
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). Scheduled on demand.

Courses listed below require, in addition to stated prerequisites, ACC 200, 200L, 210, EC 221, 222, MS 102, and ST 260.

320. **Total Quality and Leadership (3).** *Prerequisite: Junior Standing.* A survey of Total Quality Management concepts, philosophies and tools; plus, a comprehensive review of leadership, including self-analysis and skill building in selected techniques. Fall and Spring.
350. **Business Communications (3).** *Prerequisite: EH 101, 102, 141; Junior Standing.* Principles, procedures, and skills underlying oral and written communications in the field of business. Fall and Spring.
396. **International Business (3).** *Prerequisite: Junior Standing.* Study of the nature and scope of international business, including the basic problems associated with international trade, payments, investment, and cultural differences. Fall and Spring.
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. Case studies and computer business simulation used extensively. (Lab Fee) Fall and Spring.
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. Scheduled on demand.

**DEPARTMENT OF FINANCE (FIN), ECONOMICS (EC)
AND ACCOUNTING (ACC)**

221 MERRILL HALL

Acting Department Head: Scroggins
FINANCE FACULTY

Professors: Jones, Scroggins, Sullivan, Trivoli

Assistant Professor: McIntyre

Instructor: Padgham

ECONOMICS FACULTY

Professor: Fielding

Associate Professor: Bennett

Assistant Professors: Carter, McCarty

ACCOUNTING FACULTY

Professor: P. Granger

Associate Professor: Sandberg

Assistant Professors: Berry, Gantt, Kirby, Meyer

STATISTICS FACULTY

Professors: Clark, Fuller

Instructor: Graham

DESCRIPTION OF COURSES

FINANCE (FIN)

Courses listed below, with the exception of FIN 311, and FIN 341, 343 and 344 require, in addition to stated prerequisites, ACC 200, 200L, 210, EC 221, 222, MS 102, and ST 260.

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). Fall and Spring. May not be taken for credit if student has completed CBA 292, Business and Society.

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. Fall and Spring.

301. Business Finance (3). *Prerequisite: Junior Standing.* A survey of business finance. Coverage of the basic financial decisions including investment, financing, and dividend. Fall and Spring.

Economics 303. Money and Banking (3). *May be counted as a course in the Department of Finance.* For description, see Economics 303. Fall and Spring.

Economics 310. Public Finance (3). *May be counted as a course in the Department of Finance.* For description, see Economics 310. Scheduled on demand.

311. Personal Financial Planning (3). Personal financial planning including time buying, insurance, housing, investments, budgeting, use of financial institutions, and taxes. Fall.

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. Fall.

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. Scheduled on demand.

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. Scheduled on demand.
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. Fall.
364. **Insurance (3).** A survey of the insurance coverages available and the use of insurance by business. Covers the basic principles of risk. Scheduled on demand.
- Accounting 372. Income Tax Accounting (3).** *Prerequisite:* ACC 210. May be counted as a course in the Department of Finance. For course description, see Accounting 372.
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. Scheduled on demand.
- Accounting 398. Governmental Accounting (3).** *Prerequisites:* ACC 301 and ACC 310 or 9 hours 300-400 level Finance courses. May be used as a finance elective. For description, see Accounting 398.
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. Scheduled on demand.
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. Spring.
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. Scheduled on demand.
441. **Financial Management (3).** *Prerequisite:* FIN 301. A study of financial decision making. Profit planning, financing strategies, financial analysis and ethical questions are emphasized. Spring.
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. Fall.
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. Fall.
480. **Speculative Markets (3).** *Prerequisites:* FIN 301 and FIN 474. An introduction to the pricing of futures and options contracts that includes the cost-of-carry model, put-call parity, and the Black-Scholes model. Scheduled on demand.
481. **Seminar in Finance (3).** *Prerequisite:* Should be taken in Senior year. Exceptions must be approved by department head. Financial theories and problems involving investment, financing, and dividend decisions. Spring.
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. Scheduled on demand.
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). Fall and Spring.

ECONOMICS (EC)

- 200. **Economic Theory and Applications (3).** A survey of the essential elements of macro and microeconomics analysis, money and banking, and international economics. May not be used to fulfill CCBA core requirement.
- 221. **Principles of Microeconomics (3).** Microeconomic analysis, including the consumer, the firm, the market and price determination. Fall and Spring.
- 222. **Principles of Macroeconomics (3).** A macroeconomic approach, including money and banking, national income accounting monetary and fiscal policy, and international economics. Fall and Spring.

Business Statistics 261. Statistics/Quantitative Methods II (3). *May be counted as a course in Department of Economics.* For description, see Statistics 261.

Courses listed below require, in addition to stated prerequisites, ACC 200, 200L, 210, EC 221, 222, MS 102, and ST 260.

- 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. Fall.
- 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. Scheduled on demand.
- 310. **Public Finance (3).** *Prerequisites:* EC 221, 222. *Corequisite* EC 321. 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. Scheduled on demand.
- 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. Scheduled on demand.
- 320. **Mathematics for Economics (3).** *Prerequisites:* EC 221, 222, and MS 102 or 104. Use of mathematical concepts in the expression of economic relationships. Emphasis on the concepts and elementary techniques of differential calculus and matrix algebra. Scheduled on demand.
- 321. **Intermediate Microeconomic Theory (3).** *Prerequisites:* EC 221 and 222. The theory of the pricing system under varying market conditions and the distribution of income among the factors of production. Fall.
- 322. **Intermediate Macroeconomic Theory (3).** *Prerequisites:* EC 221 and 222. The measurement of national output, including income and employment theory, general equilibrium theory, and the theories of interest, investment, and consumption. Spring.
- 345. **Industrial Organization and Economic Regulation (3).** *Prerequisites:* EC 221, 222. *Corequisite:* EC 321. 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. Scheduled on demand.
- 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. Scheduled on demand.
- 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. Scheduled on demand.

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. Scheduled on demand.
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. Spring.
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. Scheduled on demand.
471. **Urban Economics (3).** *Prerequisites:* EC 221, 222. An examination of the major contemporary issues confronting urban areas. Exploring possible economic solutions to the problems of housing, transportation, education, employment, and poverty. Scheduled on demand.
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. Scheduled on demand.
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. Scheduled on demand.
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). Fall and Spring.
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. Scheduled on demand.

BUSINESS STATISTICS (ST)

260. **Statistics/Quantitative Methods I (3).** *Prerequisite:* MS 102. Quantitative methods and statistics as applied to business and economics including optimization, math of finance, descriptive statistics, probability & statistical inference. Fall and Spring.
261. **Statistics/Quantitative Methods II (3).** *Prerequisites:* ST 260. Sampling and statistical inference; hypothesis testing; regression and correlation analysis; and analysis of variance. Fall and Spring.

ACCOUNTING (ACC)

200. **Principles of Financial Accounting (3).** *Prerequisites:* MS 099, or higher level math course. *Corequisite:* ACC 200L. ACC 200 and 200L are prerequisite to ACC 210. An introduction to the concepts of accounting and financial reporting through the analysis and interpretation of accounting information for use in decision making in organizations. Fall and Spring.
- 200L. **Principles of Financial Accounting Lab (1).** *Prerequisites:* MS 099, or higher level math course and CS 201. *Corequisite:* ACC 200. ACC 200 and 200L are prerequisite to ACC 210. An introduction to manual and computerized accounting procedures. Fall and Spring.
210. **Principles of Managerial Accounting (3).** *Prerequisites:* ACC 200, 200L. An introduction to the use of accounting information for planning, decision making, product costing and performance evaluation. Fall and Spring.

Courses listed below require, in addition to stated prerequisites, ACC 200, 200L, 210, EC 221, 222, MS 102, and ST 260.

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. ACC 301 is corequisite with ACC 310. A comprehensive application of manual accounting systems, general ledger software, and spreadsheets in accounting applications. Fall.

310. Financial Accounting I (3). *Prerequisites:* ACC 210. *Corequisite or Prerequisite:* ACC 301. An introduction to accounting standards, an overview of accounting statements, and detailed study of asset and liability accounting. Fall. (Formerly ACC 393). A minimum grade of "C" in ACC 310 is required as a prerequisite for ACC 360, 398, 410, 476, 477, 478, 489, 490, and 497.

360. Financial Accounting II (3). *Prerequisites:* ACC 301 and ACC 310. A detailed study of special accounting topics. Stockholder's equity, earnings per share, and financial disclosures, with application of accounting theory and problem solving. Spring.

371. Cost Accounting (3). *Prerequisite:* ACC 210. An introduction to cost accounting through a study of the principles of job-order, process, standard and variable costing. Fall.

372. Income Tax Accounting (3). *Prerequisite:* ACC 210. Federal and state income tax laws as they apply to individuals. Training in the interpretation of regulations and the preparation of various income tax returns. Spring.

398. Governmental Accounting (3). *Prerequisites:* ACC 301 and ACC 310 or 9 hours 300-400 level Finance courses. Accounting procedures for all governmental units, and nonprofit service organizations. Analysis of current problems in fund accounting. Spring.

410. Financial Accounting III (3). *Prerequisites:* ACC 301, ACC 310. A detailed study of business expansion including combinations and international operations, and an overview of partnership accounting. Fall.

476. Advanced Income Tax Accounting (3). *Prerequisites:* ACC 372 and either ACC 310 or consent of instructor. Advanced federal tax concepts, including income taxation of corporations, partnerships, estates & trusts. Also includes a study of gift and estate taxes. Fall.

477. Auditing (3). *Prerequisites:* 12 hours of 300/400 level accounting courses. Principles of external and internal auditing, including standards, ethical issues, internal controls, computer auditing, statistical sampling, and operational auditing. Spring.

478. Accounting Theory (3). *Prerequisites:* ACC 360 and 410. An analysis of historical and current accounting concepts. Scheduled on demand.

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). Fall and Spring.

490. Advanced Auditing (3). *Prerequisites:* Senior standing and ACC 477. Standards and procedures relative to independent audits and accounting services rendered by Certified Public Accountants. Includes professional practice issues, risk analysis, evidence gathering, and reporting. Spring.

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. Spring.

DEPARTMENT OF MANAGEMENT (MGT)
AND MARKETING (MKT)

216 MERRILL HALL

Department Head: Yunker

MANAGEMENT FACULTY

Professors: Loftin, McCormick, Yunker

Associate Professors: Cobb, Hearn, Marker

Assistant Professors: Borstorff, Krauss

MARKETING FACULTY

Professor: Milewicz

Associate Professor: Day

Assistant Professors: Cunningham, Thomas

DESCRIPTION OF COURSES

MANAGEMENT (MGT)

Courses listed below require, in addition to stated prerequisites, ACC 200, 200L, 210, EC 221, 222, MS 102, and ST 260.

- Finance 300. Business Law (3).** May be counted as a course in the Management major. For description, see Finance 300.
- 305. Management & Organizational Behavior (3).** *Prerequisites: Junior standing.* Integration of classical and organizational behavior approaches to management in private and public organizations in various cultures. Fall and Spring.
- 330. Entrepreneurship (3).** *Prerequisite: Junior Standing.* Comprehensive overview of entrepreneurship and the entrepreneurial process. A practical guide to starting a small business. Spring.
- 372. The Dynamics of Organizations (3).** *Prerequisite: Junior Standing.* An analysis of the managerial process and dynamics of organization, with the organization viewed as a system interacting with a changing environment. Fall and Spring.
- 385. Human Resource Management (3).** *Prerequisite: Junior Standing.* Basic principles, philosophies, and applications of personnel administration. Fall and Spring.
- 386. Supervision (3).** *Prerequisite: Junior Standing.* Study of the functions, techniques, and skills required to supervise in manufacturing and service businesses and nonprofit organizations. Fall and Spring.
- 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. Fall.
- 390. Operations and Technology Management (3).** *Prerequisites: Junior Standing and ST 260 or MS 204.* Concepts and techniques for operations and technology management decisions in manufacturing and service business and non-profit organizations. (Lab Fee.) Fall and Spring.
- 410. Advanced Operations Management (3).** *Prerequisite: MGT 390.* An in-depth study of selected topics in production and operations management. Scheduled on demand.
- 420. Teams for Total Quality (3).** *Prerequisites: Senior Status and CBA 320.* Examines tools, concepts, and philosophies of managing for quality. Focuses on the development and use of teams to improve quality, productivity, and organizational processes. Fall and Spring.
- 468. Wage and Salary Administration (3).** *Prerequisite: MGT 385.* Wage and salary determination including wage policy, job analysis, job evaluation techniques, and methods of compensation. Fall.

- CBA 488. Small Business Experience (3).** *Prerequisites:* Senior status and completion of all 200-300 level CCBA Business Administration Core courses. May be counted as a course in the Management major. For description, see CBA 488.
- 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.) Fall and Spring.
- 490. Collective Bargaining (3).** *Prerequisite:* MGT 385. Collective bargaining in the employer-employee relationship and the strategy used by the various parties in the business process. Spring.
- 491. Management Seminar (3).** *Prerequisite:* Must be taken in semester in which student is graduating. A topical seminar which includes selected readings in current management literature combined with classroom lectures and discussions. Includes supervised and independent student research. Fall and Spring.
- 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. (Lab Fee.) Scheduled on demand.
- 496. International Management (3).** *Prerequisite:* Senior status. Comparative study in managing the international, multinational and national business organization. Scheduled on demand.
- 499. Senior Management Research (3).** *Prerequisites:* Senior status and consent of instructor. Independent research on a management topic jointly selected by student and instructor.

MARKETING (MKT)

Courses listed below require, in addition to stated prerequisites, ACC 200, 200L, 210, EC 221, 222, MS 102, and ST 260.

- 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. Fall and Spring.
- 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. Fall and Spring.
- 363. Industrial Marketing (3).** *Prerequisite:* MKT 301. Analysis of marketing strategy as it applies to those firms which engage in supporting the production of finished products or services. Fall and Spring.
- 377. Advertising and Promotion (3).** *Prerequisite:* MKT 301. *Prerequisite or corequisite:* MKT 378. Investigation of ideas and concepts used to inform consumers of the availability and attributes of products and services through impersonal media, special promotion and public relations. Fall.
- 378. Consumer Behavior (3).** *Prerequisite or co-requisite:* 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. Fall and Spring.
- 387. Channels of Distribution (3).** *Prerequisite:* MKT 301. A study of the institutions and fundamental elements of channel systems, including their legal environment and how price is impacted by channel relationships. Spring.
- 394. Retailing (3).** *Prerequisite:* MKT 301. Store layout, location, accounting, personnel, buying, selling, credit policies, and control systems. Fall.

- CBA 488. Small Business Experience (3).** *Prerequisites: Senior status and completion of all 200-300 level CCBA Core courses.* May be counted as a course in the Marketing major. For description see CBA 488.
- 489. Marketing Internship (3).** *Prerequisites: Senior status, 12 hours of marketing courses and consent of instructor.* Provides the marketing major with practical experience in the marketing field via an internship arrangement. (PASS/FAIL grade only). Fall and Spring.
- 492. Senior Marketing Seminar (3).** *Prerequisites: Senior status and 12 hours of marketing courses.* Investigation and analysis of current literature and problems in the field of marketing. Includes classroom lectures and discussions; supervised and independent student research. Spring.
- 493. International Marketing (3).** *Prerequisites: Senior status and 12 hours of marketing courses.* 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. Fall and Spring.
- 495. Marketing Management (3).** *Prerequisites: Senior status and 12 hours of marketing courses.* Decision making relative to customers, products, pricing, promotion, physical distribution, and law. Includes ethical considerations in marketing. Fall and Spring.
- 497. Market Research (3).** *Prerequisites: Senior status and 12 hours of marketing courses.* 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. (Lab Fee). Fall and Spring.
- 498. Senior Marketing Research (3).** *Prerequisites: Senior status, 15 hours of marketing courses including MKT 497, and consent of instructor.* Independent research on a marketing topic jointly selected by student and instructor.



COLLEGE OF EDUCATION AND PROFESSIONAL STUDIES

Sheila Anne Webb, Dean

Accredited By:

**The National Council for Accreditation of Teacher Education
The Alabama State Department of Education
The National Association of Industrial Technology**

Member Of:

**The American Association of Colleges for Teacher Education
The 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, Nutrition and Foods, Merchandising, Exercise Science and Wellness, Recreation Administration, Counseling, Mass Communication, and Technology 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, or metaphor, 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 National Association of Industrial Technology (NAIT), 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 the State of Alabama association with the Teacher Education Council of State Colleges and Universities (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

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. 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.

Prior to being admitted to the Teacher Education Program a student may take a maximum of six semester hours of professional education courses (nine semester hours for secondary education majors) in the humanistic and behavioral areas to assist in making decisions concerning admission to teacher education and the selection of a teaching field.

In addition to the six hours of humanistic and behavioral science courses, students pursuing a degree program in Early Childhood Education, Elementary Education or Special Education may take certain education courses in their teaching field by advisement.

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 end 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 in each of the following areas:
 - (a) All hours attempted at JSU
 - (b) All hours attempted at all institutions including JSU
 - (c) All hours attempted in Teaching Field(s) at JSU
 - (d) All hours attempted in Teaching Field(s) from all institutions including JSU
3. The student must have earned a passing score of at least 300 on the Basic Skills Test (BST) required by the State of Alabama. Registration Forms are available in the Teacher Service Center, Room 207, Ramona Wood Hall. This examination should be taken after completion of English 101 and 102 and Math 102.
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 applicant must have classroom observation at the level and in the teaching area in which he/she is seeking a degree or certification. Students in Early Childhood and Elementary Education are required 14 hours of observation and all other programs require a minimum of ten hours of observation. Forms are available for verification of observation in Room 207, Ramona Wood.
6. The applicant must satisfactorily complete an interview to provide information of the applicant's personality, interests, and aptitudes consistent with the requirements for successful teaching.

A student who fails to meet the admission requirements outlined above may complete additional coursework and/or repeat the BST in an effort to meet the admission standards. GPA is calculated based on all hours attempted. Jacksonville State University's Second Chance policy and replacement grading are not applicable to the Teacher Education Program.

Students are urged to apply for admission to the Teacher Education Program as soon as they complete the above criteria. Additional criteria may be required in specific programs. These criteria are discussed in detail through publications in the Teacher Service Center, 207 Ramona Wood Hall.

Education degrees require teaching field(s) in lieu of majors/minors. All education degree programs may be completed within a total of 128 semester hours.

II. Practicum Requirements

The College of Education and Professional Studies requires that a student pursuing a degree in education must engage in laboratory and/or practicum experiences in schools and communities as specified by instructors of the professional education courses in his/her degree program. For further details, check with the instructor of the respective education course as to the practicum requirements.

III. Internship Semester

Students are required to make formal application for the Senior Internship Semester. In order to accommodate students with appropriate clinical settings, the following priority dates for applications have been established: January 31 for the following Fall Semester and September 30 for the following Spring Semester. Please note that student teaching is offered only in the Fall and Spring semesters, and must be taken the last semester before graduation.

Application forms are available in the Teacher Service Center, Room 207, Ramona Wood Hall.

Eligibility requirements for the Internship Semester:

- A. The internship semester is designed to be completed during the student's last semester of residency at JSU.
- B. The student must have completed the appropriate junior level education courses.
- C. The student must possess a 2.50 grade-point average in all of the following areas:
 1. All hours attempted at JSU
 2. All hours attempted at all institutions including JSU
 3. All hours attempted in selected Teaching Field(s) at JSU
 4. All hours attempted in Teaching (Field(s) from all institutions attended
 5. All hours attempted in professional education courses
- D. The internship is designed as a stand alone experience. Enrollment in any additional courses during the internship semester requires the written approval of the Dean of the College of Education and Professional Studies. The intern shall not be enrolled in other courses during the normal operational hours of the schools where the internship is being completed.
- E. The student must have completed a minimum of five days of full time, structured field experiences in block practicum courses.
- F. The student must earn the grade of "C" or above in all professional studies. If a grade below a "C" is earned, the student must upgrade the grade prior to student teaching.

(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:

- A. The student must have met all general University and degree program requirements as outlined in the catalogue.
- B. The student must have maintained a 2.50 grade-point average in all hours attempted in all teaching field courses, and in all professional education courses at JSU, and/or all other institutions attended.
- C. The candidate for graduation must earn a passing score on the exit examination which covers the content of the teaching field(s) and professional studies.

V. Application for Certification

Requirements for Alabama Certification:

- A. 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.

- B. To be eligible for recommendation for a certificate, the candidate must earn a passing score on an exit examination which covers the content of the teaching field(s) and professional education.
- C. No grade below "C" in professional studies may be used to meet certification requirements.
- D. The applicant must submit finger print cards to the Alabama State Department of Education (the appropriate fee in the form of a money order or cashier's check made payable to the Alabama State Department of Education must accompany the finger print card) and successfully pass background reviews.
- E. Anyone arrested for or 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.
- F. 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)

217 SELF HALL

Department Head: To Be Named

Professor: Carmode

Associate Professor: Eoff

Assistant Professor: Chandler

Ayers Chair: Dobyns

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 all University requirements, 39 hours in the Department of Communication, plus CS 201 or TEC 201, EH 141, six hours of foreign languages, six hours of English literature sequence, six hours of history sequence, and completion of a minor field. Of the 39 hours in Communication, 18 must include COM 200, 307, 308, 491; either 320 or 325 and either 449 or 459. The remaining 21 hours must be selected from the interest areas of: Radio/TV Production, Print Journalism, Public Relations and New Media. The six hours in foreign languages must include a sequence of French, German or Spanish 101 and 102. Students must maintain a minimum 2.0 GPA and complete with a minimum grade of "C" all Department of Communication courses required for the degree. Students may repeat courses offered by the Department of Communication only once.

A MINOR IN COMMUNICATION consists of completing all University requirements and a minimum of 21 hours in the Department of Communication. Required courses include 15 hours in COM 200, either 205 or 315, 301, 308, and either 320 or 325.

The remaining six hours must be selected from any other communication courses for which the student is qualified. Students may not 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 preregistration period preceding the semester in which the courses will be taken.

COM 491 represents the capstone of student achievement at the conclusion of the undergraduate academic program. It is in this course that the student will concentrate on the area of interest to which he/she aspires. Thus, the student must be properly prepared before registering for this course. Before registering for COM 491 all Communication majors must have satisfactorily completed COM 200, 307, 308, either 320 or 325, and either 449 or 459. Additionally, the student must have satisfactorily completed courses which specifically pertain to his/her area of interest. The interest areas and their requirements are:

Radio/TV Production - COM 205, 301, 302, 320, 470

Print Journalism - COM 315, 325, 410, 420, 449, 459

Public Relations - COM 301, 315, 325, 330, 410, 430

New Media - COM 205, 302, 325, 375, 484

DESCRIPTION OF COURSES

COMMUNICATION (COM)

200. **Intro to Mass Communication (3).** A survey of the mass media and their interrelationship with each other and society.
205. **Intro to Broadcast Writing (3).** *Prerequisite:* EH 101. Basic writing for electronic media. Includes news, features, press releases and advertisements.
301. **Intro to TV Production (3).** *Prerequisites:* COM 200 and/or 205. Practical training in the fundamentals of audio and video production techniques, including various exercises in each production area.
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).** Develop critical and analytical skills for viewing and/or listening to popular media, with emphasis on television. Identify strategies and techniques which influence audiences.
308. **On-Line Research (3).** *Prerequisites:* COM 200 and basic Macintosh computer skills or permission of instructor. Principles and practices of research on the Internet to identify sources of information available on the web, and how to retrieve, analyze and use the information.
315. **Intro to News (3).** *Prerequisites:* COM 200, EH 101, 102; keyboard/word processing skills. Fundamentals of information seeking and gathering, plus writing for various media. Requires out-of-class assignments.
320. **Video Production and Editing (3).** *Prerequisites:* COM 301 and 302. Videography and videotape editing of programs and/or announcements produced with portable video equipment.
325. **Publication Design (3).** *Prerequisites:* COM 205 and/or 315. Storing and editing of materials produced by and for print media.
330. **Intro to Public Relations (3).** *Prerequisites:* COM 315. Basic concepts of public relations, including history, theory, organization and ethics. Writing emphasized.
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:* Jr. standing and COM 200, or permission of instructor. Theoretical aspects of the communication process, including intrapersonal, interpersonal, and mass communication research principles.

375. **Internet Production** (3). *Prerequisites:* 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. Lab fee.
401. **Media Advertising and Sales** (3). *Prerequisites:* COM 205 or permission of instructor. Theory and application of advertising, sales, and copywriting in the print and electronic media.
404. **Media Workshop** (1 each). *Prerequisites:* 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). *Prerequisites:* Permission of instructor and Faculty Review Board. 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). *Prerequisite:* COM 315 and permission of instructor. Principles and practices of writing features. Requires out-of-class assignments.
420. **Advanced Reporting** (3). *Prerequisites:* COM 308, 315 and 325. News gathering and writing with emphasis on multiple sources, writing on deadline and beat reporting for print. Outside assignments are required.
425. **Media Management** (3). *Prerequisite:* Permission of instructor. Principles and practices for management of print and electronic media facilities.
430. **Advanced Public Relations** (3). *Prerequisite:* COM 325 and 330. Application of public relations concepts and principles to client needs. Case studies and writing emphasized.
449. **Communication Law I** (3). *Prerequisite:* Junior standing. Study of legal system of state and nation as related to media, including libel, privacy, copyright, access, contract, and First Amendment issues.
459. **Communication Ethics** (3). *Prerequisite:* Junior standing. Ethical foundations of the media, including the interrelationships of the media, the public, and the government.
470. **Advanced Electronic News** (3). *Prerequisite:* COM 320. Principles and practices for gathering, writing, reporting and producing news for electronic media. Requires out-of-class assignments.
475. **Directed Study** (3). *Prerequisite:* Permission of instructor. Supervised study permitting students to pursue specific areas of interest in communication.
484. **Multimedia Design** (3). *Prerequisites:* COM 325 and 375. Introduction to key news-related issues in designing graphics, audio and video for digital media.
491. **Internship** (3). *Prerequisite:* Completion of all Communication course requirements and permission of the internship coordinator. Supervised on-the-job experience with an appropriate media facility.

**BACHELOR OF ARTS
MAJOR: COMMUNICATION
FRESHMAN YEAR**

Fall		Spring	
EH Comp 101	3	EH Comp 102*	3
HY*	3	EH 141, Spch*	3
MS 102*, Alg	3	HY*	3
Fine Arts Elective	3	CS 201 or TEC 201	3
COM 200	3	COM 205 or 315	3

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Natural Science*	4	Natural Science*	4
Social/Behavioral Science*	3	Social/Behavioral Science*	3
COM 307, Media Lit	3	General Elective/Minor	3
COM 308, Internet Research	3	COM (interest area)	3
	<hr/> 16		<hr/> 16

JUNIOR YEAR

Fall		Spring	
COM (interest area)	3	COM (interest area)	3
COM (interest area)	3	COM (interest area)	3
FL 101	3	FL 102	3
General Elective/Minor	9	General Elective/Minor	6
	<hr/> 18		<hr/> 15

SENIOR YEAR

Fall		Spring	
COM Elective	6	COM Elective	3
General Elective/Minor	9	General Elective/Minor	12
	<hr/> 15		<hr/> 15

SUMMER

COM 491	3
	<hr/> 3

TOTAL HOURS: 128

*See Core

DEPARTMENT OF CURRICULUM AND INSTRUCTION**312 RAMONA WOOD HALL****Harper: Department Head****Professors: Armstrong, Engley, Mims****Associate Professors: Harper, Haynes, Lowry, Williams****Assistant Professor: Boydston, McCrary, Baldwin, Reece****Instructors: Colley, King, Owens, Sudduth**

The Department of Curriculum and Instruction offers Bachelor of Science in Education degrees in the areas of elementary education, early childhood education, and special education. Upon program completion students will be eligible to apply for the Baccalaureate level Professional Teaching Certificate. Please see pages 162 through 165 for additional Teacher Education Program requirements.

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. Upon completion of the 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). Students may choose to add additional certification in elementary education.

EARLY CHILDHOOD EDUCATION

FRESHMAN YEAR

Fall		Spring	
EH 101, Composition	3	EH 102, Composition	3
HY	3	EH 141, Speech	3
MS 102*, Algebra	3	Concentration Elective**	3
By 101, 103	4	MS*	3
Soc/Beh Science or History	3	BY102, 104	4
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Literature in Sequence	3	Literature in Sequence	3
Fine Arts or FL	3	Soc/Beh Science or History	3
CS 201, Intro to Data Processing	3	Fine Arts	3
MS*	3	General Elective	2
Science***	3	Concentration Elective	3
Soc/Beh Science or History	3	Science***	3
	<hr/> 18		<hr/> 17

JUNIOR YEAR

Fall		Spring	
ECE 303, Intro. Early Child	3	EED 339, Integrated Theory & Practice	3
ECE 304, Early Literacy	3	EED 342, Tchg. Reading	3
ECE 305, Creative & Mental Development	3	EED 344, Dev. Language Skills	3
ECE 306, Practicum in ECE	3	EED 421, Effective Tchg. Strat.	3
FCS 352	3	SPE 421 Collaborative Teaching	2
EIM 410, Info Age Classrm	2	SPE 300 Survey	3
	<hr/> 17		<hr/> 17

SENIOR YEAR

Fall		Spring	
EED 362, Tchg. Science for Children	3	ECE 460, Internship	9
EED 343, Curr. Integ. in Tchg. Soc. Studies	3	ECE 307 Assess of Yng Child	3
EED 341, Tchg. Math for Children	3		<hr/> 12
EED 405, Contemp. Issues	3		
EED 312, Children's Lit.	3		
EH 348	3		
	<hr/> 18		

Total Hours: 128

*Approved Math courses.

**Concentration by Advisement

***Science from two areas other than Biology

DESCRIPTION OF COURSES

- 303. Introduction to Early Childhood Education (3).** An introduction to the historical, philosophical, and cultural aspects of early childhood education.
- 304. Early Literacy (3).** Materials and methods of teaching literacy in early childhood. Language arts, reading, assessment, and evaluation in early childhood will be emphasized.

305. **Creative and Mental Development (3).** Early development of play, story telling, music, movement, and drama. Use of puppets, plays, and story telling.
306. **Practicum in ECE (3).** This course will provide preservice teachers with the opportunity to observe and apply theories and concepts in the classroom.
307. **Assessment of Young Children (3).** Review of developmentally appropriate assessment for young children. Included will be reviews of portfolios, standardized tests, anecdotal records and observations, and behavioral rating scales.
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.
460. **Internship in ECE (3).** Student teaching in grades P-3 under the supervision of a cooperating teacher and a university supervisor. The education degree candidate is required to take a minimum of nine (9) hours internship and should consult an academic advisor about scheduling. May be duplicated for credit for a total of twelve (12) semester hours.

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. 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). Students may choose to add an additional certification in middle school.

ELEMENTARY EDUCATION

FRESHMAN YEAR

Fall		Spring	
EH 101, Comp	3	EH 102, Comp.	3
HY*	3	Concentration Elective	3
MS 102*, Algebra	3	MS*	3
BY 101/103, Biology I	4	BY 102/104, Biology II	4
Soc/Beh Science or History	3	CS 201, Intro to Data Proc	3
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Literature in Sequence	3	Literature in Sequence	3
EH 141, Speech	3	Social Science or History**	3
MS*	3	General Electives	2
Social Science**	3	Concentration Elective***	3
Concentration Elective***	3	Fine Arts or FL	3
	<hr/> 15		<hr/> 17

JUNIOR YEAR

Fall	Spring
EED 339, Integrated Theory & Practice 3	EED 312 Children's Lit 3
EED 342, Tchg. Reading 3	EED 362, Tchg. Science for Children . 3
EED 344, Dev. Language Skills 3	EH 348, Composition & Spch 3
EED 421, Effective Tchg. Strat. 3	PE 361, PE in Elementary Schools ... 3
ECE 308 Materials & Meth in ECE ... 3	SPE 300, Survey 3
EIM 410, Info Age Classroom 2	FCS 352 3
	<hr/>
17	18

SENIOR YEAR

Fall	Spring
EED 333, Arts in Integrated Curr 3	EED 470, Internship 9
EED 343, Tchg. Soc. Studies 3	EED 354, Reading Diagnosis 3
EED 341, Tchg. Math for Children ... 3	
EED 405, Contemp. Issues 3	<hr/>
EPY 442, Educ. Meas. or	12
ECE 307 Assessment 3	
SPE 421 Collaborative Teacher 2	
	<hr/>
18	

Total Hours: 128

*Approved Math courses.

***Concentration by Advisement.

DESCRIPTION OF COURSES

- 312. Children's Literature (3).** Evaluation of books for children, selection criteria, reading guidance, and the interests, needs and abilities of children emphasized. (Formerly EIM 312).
- 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.
- 339. Integrating Theory/Practice (3).** Provides prospective teachers an opportunity to observe, analyze, and apply concepts and theories in schools and classrooms.
- 340. Observation and Participation (3).** Carefully planned and supervised experiences with children in an elementary school.
- 341. Mathematics for Children (3).** *Prerequisites: Math 102, 133, and 134 recommended.* Materials and methods in the teaching of elementary mathematics concepts and processes.
- 342. Teaching Reading (3).** Methods, materials, and research findings concerned with beginning reading instruction, emphasizing grades 1-3.
- 343. Curriculum Integration in Teaching Social Studies (3).** Methods and materials of teaching social studies in the elementary grades.
- 344. Developing Language Skills (3).** Techniques and strategies for promoting communication skills among young learners, with emphasis on the interrelatedness of the language skills.
- 354. Reading Diagnosis (3).** *Prerequisite: EED 342.* Methods and materials in content area learning for grades 4-6 with emphasis on study skills, diagnostic and remediation strategies, and evaluation of reading progress.

362. **Science for Children (3).** Materials, laboratory demonstration, and organization of science concepts and processes taught in the elementary grades.
405. **Contemporary Issues in Education (3).** Provides understanding, strategies, skills, and techniques in identifying and working toward solutions of contemporary problems and issues in the elementary classroom.
406. **Teaching in the Multilingual Classroom (3).** *Prerequisite: Junior Block and 6 semester hours in Spanish (other foreign language on approval of department head).* A general overview of the dynamics involved in teaching in will be discussed, including second language acquisition, parent-involvement patterns, cultural diversity as it affects learning, and recent research in teaching in multicultural settings.
421. **Effective Teaching Strategies (3).** Research finding and practices used by effective teachers that result in positive outcomes for learners, including academic learning, discipline, teaching/learning styles, and classroom management.
462. **Music Education for the Elementary Teacher (3).** A survey of materials in a well-rounded elementary music program. A review of activities in singing, listening, and in rhythmic, instrumental and creative areas on the elementary level.
470. **Internship (3).** Student teaching in grades K-6 under the supervision of a cooperating teacher and a university supervisor. The education degree candidate is required to take a minimum of 9 hours internship and should consult an academic adviser. May be duplicated for credit for a total of nine (12) semester hours.

Note: Many EED courses have practicum requirements. See department head 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) and Hearing Impaired (N-12).

COLLABORATIVE TEACHER (K-6)

FRESHMAN YEAR

Fall		Spring	
EH 101, Composition	3	EH 102, Composition	3
Natural Sci	4	Natural Sci	4
Fine Arts or FL	3	Social/Beh Science or History	6
Social/Beh Science or History	6	MS 102, Algebra	3
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Literature in Sequence	3	Literature in Sequence	3
PE 109	3	EH 141, Speech	3
CS 201 Intro to DP	3	PSY 222	3
Elective	8	Elective	6
	<hr/> 17		<hr/> 15

JUNIOR YEAR

SU I		SU II	
SPE 311, Program/Soc. Skills Mild		SPE 405, Med/Eth/Legal Aspects	
Dis	3	SPE	3
	<hr/>		<hr/>
	3		3
Fall		Spring	
EIM 410, Info Age Classroom	2	SPE 331	3
SPE 300	3	SPE 311	3
SPE 382, Curr Meth Dev Dis	3	SPE 385, Curr & Beh Mgt	3
SPE 403, Practicum Low Incidence ...	3	SPE 404, Practicum Mild	
SPE 384, Curr Strat Learn/Beh Dis ...	3	Learn/Beh	3
SPE 422 Collab Reg Ed	2	SPE 418, Ind Liv/Career	
	<hr/>	Dev/Trans	3
	16	EED 362	3
			<hr/>
			18

SENIOR YEAR

Fall		Spring	
SPE 416, Assessment	3	SPE 481, Internship	9
EED 342, Tchg. Reading	3	EED 405, Contemporary Issues	3
EED 341, Math for Children	3		<hr/>
SPE 401	3		12
SPE 410, Coll Parents/Teac/Teams ..	3		
SPE 405	3		
	<hr/>		
	18		

Total Hours: 128

COLLABORATIVE TEACHER (6-12)**FRESHMAN YEAR**

Fall		Spring	
EH 101, Composition	3	EH 102, Composition	3
Natural Science	4	Natural Science	4
Social Beh Science or History	6	Social/Beh Science or History	6
Fine Arts & Humanities or FL	3	MS 102, Algebra	3
	<hr/>		<hr/>
	16		16

SOPHOMORE YEAR

Fall		Spring	
Literature in Sequence	3	Literature in Sequence	3
PE 109	3	EH 141, Speech	3
CS 201 Intro to DP	3	PSY 222	3
Elective	7	Elective	7
	<hr/>		<hr/>
	16		16

JUNIOR YEAR

Fall		Spring	
EIM 410, Info Age Classrm	2	SPE 331, Pro/Soc	3
SPE 300	3	SPE 311, Intro Learn/Beh	3
SPE 382, Curr Meth for Dev Dis	3	SPE 385, Curr & Beh Mgt	3
SPE 403, Practicum Low Incidence ...	3	SPE 404, Practicum Mild Lrn/ Beh Dis	3
SPE 384, Curr Strat for Learn &		SPE 418, Ind Liv/Caree/Trans	3
Beh Dis.	3	EED 362	4
SPE 422, Collab Reg Ed	2		
	16		19

SENIOR YEAR

Fall		Spring	
SPE 416, Assessment	3	SPE 481, Internship	9
ESE 383 Reading Content Areas	2	EED 405, Contemporary Issues	3
EED 341	3		
SPE 410 Collab w/ parents, teachers/teams.....	3		12
SPE 405	3		
SPE 401	3		
	17		

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.
302. **Psychology of Deafness (3).** Surveys the development and adjustment of the hearing impaired in educational, communicative, social-emotional, employment, and cultural areas. Services and programs available are surveyed.
307. **Audiology (3).** Causes and diagnosis of deafness. Audiometers, hearing aids, and group amplification. Anatomy and Physiology of hearing.
308. **Anatomy and Physiology of the Speech and Hearing Mechanisms (3).** Studies the anatomy and physiology of speech as well as the auditory structures and pathways from the outer ear to the auditory areas of the brain.
311. **Programming/Social Skill Development for Students with Mild Behavior and Learning Disabilities (3).** An introduction to models used and services rendered to children experiencing emotional conflict, emphasizing educational implications.
331. **Introduction To Learning and Behavioral Problems (3).** The characteristics and nature of mental retardation. Social, emotional, physical, and learning characteristics of retarded children.
333. **Language Development(3).** Designed to provide students with instruction in the development of language with special emphasis on special populations and methods of language remediation.
334. **Speech Development in Hearing Impaired (3).** Development of and techniques for teaching phonation, prosodic features, articulation, and auditory skills to the hearing impaired. Anatomy and physiology of speech.
350. **Teaching the Hearing Impaired to Read and Write (3).** *Prerequisite: SPE 333.* Covers techniques and strategies for teaching reading and writing to hearing impaired children, including reading in the content area and rewriting materials to appropriate levels.

382. **Curriculum Methods for the Developmentally Disabled (3).** Emphasis on mild to moderate mental disabilities in children and youth. Exploration of teaching strategies appropriate to public and private placement facilities.
383. **Adaptive Curricula for Teachers of Children Experiencing Emotional Conflict (3).** Analysis of remediation materials and their application to children in emotional conflict.
384. **Curriculum and Strategies for Learning Behavior Disabilities (3).** Designed to provide extensive and sophisticated approaches for motivating and instructing educable mentally retarded, learning disabled, and emotionally conflicted children and youth.
385. **Curriculum and Behavior Management (3).** Emphasis on specific intervention techniques to facilitate management of curriculum and behavior.
386. **Meth/Applic in Self-Contained Classroom for the Hearing Impaired (3).** Strategies and procedures for teaching sequential skills in all academic areas. Covers available and adaptable curricula and applies these in the self-contained classroom.
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. Non-transfer students are advised to complete this course in sophomore year.
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. Non-transfer students are advised to complete this course in sophomore year.
389. **Mainstreaming Hearing Impaired Child (3).** Adapts the teaching and learning programs of the school to the particular needs of the hearing impaired.
401. **Physical Education for Exceptional Children (3).** Emphasis will be placed on activities of a recreational nature which may be used with the exceptional child. A student practicum will be required.
402. **Creativity and the Curriculum (3).** An introduction to the fields of art for teachers of exceptional children. A multi-media approach will be used in a workshop situation.
403. **Practicum in Low Incidence/Severe Disabilities (3).** *Prerequisite: Nine semester hours in special education including SPE 331 and SPE 382.* Directed experiences in observation and participation in special education classrooms. Seminars will be held in conjunction with this course.
404. **Practicum in Mild Behavior/Learning Disabilities (3).** *Prerequisite: Nine semester hours in special education including SPE 331 and SPE 384.* Designed to give classroom experiences to students in the area of emotional conflict. Facilities will include, when feasible, public school, mental health facilities and day care facilities.
405. **Medical, Legal, & Ethical Aspects of SPE (3).** Trends and issues in SPE. Examination of their impact on teachers and learners.
406. **Music for the Exceptional Child (3).** An introduction to the field of music for teachers of exceptional children. Rhymes and rhythms and their relationship to the mental domain will be stressed. Emphasis will also be on simple musical activities of a practical nature.
407. **Clinical Aspects of Multiple Disabilities (3).** Characteristics of orthopedic and neurological involvement in children and youth with implications for school, hospital, and homebound programs. A medical orientation will also be included.
408. **Practicum in Hearing Impairment (3).** Guided experience in auditory training and teaching speech and language as well as academic skills and content information to hearing impaired children and youth.

- 409. **Evaluation of Teaching/Learning: Hearing Impaired (3).** *Prerequisites:* SPE 333 and 387. Discusses administration and/or adaptation of assessment tools in speech, language, academic, and cognitive areas and relates these to IEPs, programming, and classroom procedures.
- 410. **Collaboration with Parents/Teachers/Teams (3).** Designed to provide methods and procedures for improving parent/teacher relations in order to have more effective educational programs for exceptional children.
- 415. **Paraprofessionals in Special Education (3).** Introduces the special education teacher to the role of the paraprofessional. Emphasis is on supervising techniques, instructional and non-instructional responsibilities, interpersonal relationships, and implications for training paraprofessionals.
- 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.
- 417. **Independent Study in Special Education (3).** An opportunity for advanced students to explore areas of personal interest. May be repeated for credit. Consent of instructor.
- 418. **Independent Living Career Dev. Transition (3).** Functional living skills emphasizing independent living in home, school, and community for severely and profoundly mentally disabled students served in public and private facilities.
- 419. **Severe Disorders in Behavioral Domain (3).** Characteristics of severe behavioral disorders with implications for public and private school settings. Multidisciplinary orientations will be included.
- 420. **Certification Internship (3).** *Prerequisites:* SPE 481, approval for professional semester, and completion of SPE 403 or 404. Student teaching in special education under the supervision of a cooperating teacher and a university supervisor.
- 421. **Collaborative Teacher (3).** *Prerequisites:* SPE 300. 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.
- 422. **Collaboration with Regular Education (3).** *Prerequisites:* Instructor approval. The purpose of this course is to provide students with the opportunity be prepared to work together with general education teachers to meet the needs of diverse learners in the collaborative classroom setting.
- 481. **Student Teaching in Special Education (3).** *Prerequisites:* Approval for professional semester and completion of SPE 403 and 404 and 408. One conference each month with the university supervisor is to be scheduled at registration time. The education degree candidate is required to take a minimum of 9 hours. May be duplicated for credit for a total of twelve (12) semester hours.

Note: Many SPE courses have practicum requirements. See department head for details.

DEPARTMENT OF EDUCATIONAL RESOURCES

303 RAMONA WOOD HALL

Easton: Department Head

Professors: Dasinger, Easton, Friery, Head,

King, Merrill, Webb, Zuelke

Associate Professors: Bogan, Jenkins, Kiser,

Nelson, Nowlin, Stinson, Uline, Zenanko

Assistant Professors: Chaney, Elmore, Yunker

The Department of Educational Resources offers programs in secondary teacher education and service courses in educational psychology, and instructional media. In addition, the Department provides courses for middle school certification for persons who already hold either elementary or secondary level certification. Please see pages 203 through 206 for additional Teacher Education Program requirements.

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	English Language Arts	French	General Science
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Geography	Health	History	Mathematics
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Social Science	Spanish	Technology	
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MIDDLE SCHOOL 4-8 PROGRAMS

For holders of either a Baccalaureate level - Professional Elementary Certificate or a Baccalaureate level - Secondary Professional Certificate, a middle school endorsement is available in the following teaching fields:

Biology	English Language Arts	General Science
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History	Mathematics	Social Science
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BACHELOR OF SCIENCE IN EDUCATION

Secondary education (Grades 6-12)

Students intending to major in a Secondary Teaching Field should contact the Teacher Service Center for appropriate course guides.

Please note all programs require 128 semester hours.

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).** A survey of American public education and an overview of current problems and issues in secondary education. Junior level.
383. **Reading in Content Areas (2).** Emphasis is given to teaching common and special reading skills and oral communication skills.
404. **Effective Teaching (2).** *Prerequisite:* EPY 332, ESE 331. *Corequisite:* ESE 484. Blends theory and Practice. Materials and methods of teaching at the secondary level.
420. **Teaching Mathematics (3).** Materials and methods of teaching mathematics at the secondary level.

- 421. **Teaching Social Science (3).** Materials and methods of teaching the history and social sciences at the secondary level.
- 422. **Teaching Language Arts (3).** Materials and methods of teaching the language arts at the secondary level.
- 423. **Secondary School Science (3).** Materials and methods of teaching the natural and physical sciences at the secondary level.
- 424. **Foreign Language Methods (3).** Material and methods of teaching foreign language at the secondary level.
- 454. **Classroom Behavior (1).** Models for establishing and maintaining classroom discipline. Corequisite: ESE 486 or 487, senior internship.
- 484. **Practicum (2).** An 85-clock-hour clinical experience in grades 6 - 12. Corequisites: ESE 404 and EPY 442.
- 486. **Internship in Grades 6-12 (3).** *Prerequisite: Approval for Professional semester.* Supervised teaching in grades 6-12. Degree students are required to take a 9-hour internship. Consult an academic adviser about scheduling. May be duplicated for credit for a total of nine (9) semester hours.
- 487. **Internship in Grades N-12 (3).** Supervised teaching in grades N-12. Degree students are required to take a 9-hour internship. Consult an academic adviser about scheduling. May be duplicated for credit for a total of nine (9) semester hours.

EDUCATIONAL PSYCHOLOGY (EPY)

DESCRIPTION OF COURSES

- 331. **Child Psychology (3).** *Prerequisite Sophomore or Junior standing.* The course is an intensive investigation of the research done on children from the developmental approach. It places emphasis upon patterns of growth and development, levels of maturation, and individual differences. The course is oriented toward the expected behavioral syndromes of typical children in the school environment.
- 331L. **Child Psychology Laboratory.** Taken in conjunction with EPY 331 lecture; two hours of lab per week for five weeks.
- 332. **Educational Psychology (2).** *Prerequisite Junior or Senior standing.* Learning principles and theories; observing and understanding students' behavior from humanistic, reinforcement, psychoanalytic and developmental view points; and classroom management skills. Junior level.
- 429. **Developmental Psychology (3).** *Prerequisite Junior or Senior standing.* This course stresses the following areas of development in the school age person: intellectual, emotional, social, physical, and moral.
- 429L. **Developmental Psychology Laboratory.** Taken in conjunction with EPY 429 lecture; two hours of lab per week for five weeks.
- 431. **Adolescent Psychology (3).** *Prerequisite Sophomore or Junior standing.* An intensive study is made of adolescents. This study stresses the following areas of development: physical, intellectual, emotional, social, and moral.
- 431L. **Adolescent Psychology Laboratory.** Taken in conjunction with EPY 431 lecture; two hours of lab weekly.
- 442. **Educational Measurement (3).** An introduction to measurement and evaluation of elementary through high school students' achievement. The construction and uses of locally made tests and standardized achievement tests will be covered along with basic statistical principles.

INSTRUCTIONAL MEDIA (EIM)**DESCRIPTION OF COURSES**

410. **The Information Age Classroom (2).** *Prerequisite:* CS 201. The benefits, application, and production of advanced academic technology to the information age classroom. (Not open to those with credit for EIM 201 or 311)

MIDDLE SCHOOL ENDORSEMENT (EMS)**DESCRIPTION OF COURSES**

380. **Middle School Reading (3).** Emphasis on building reading and study skills in the subject areas of the middle school. Laboratory experiences in middle grades are required.
408. **The Middle School (3).** The history and philosophy of the middle school; designs for middle school curriculum
483. **Teaching in Grades 4-8 (3).** Curriculum of grades 4-8 and responsibilities of the middle or junior high school teacher.
485. **Internship in Grades 4-8 (3).** Supervised teaching in grades 4-8.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES**215 MASON HALL**

Department Head: To Be Named
Assistant Professor: Chandler, Thomson
Instructors: Goodwin, Nemeth, Stone

The Family and Consumer Sciences Department offers courses planned to help individuals to improve personally, to prepare for home and family, to make informed consumer decisions, and to prepare for professional careers. Two degree programs are offered—a Bachelor of Science degree with a major in Family and Consumer Sciences with three concentrations: Merchandising, Dietetics, and Restaurant and Foodservice Management; a Bachelor of Science degree in Education with a teaching field of Family and Consumer Sciences. Minors offered within the department include: Family and Consumer Sciences, Fashion Merchandising, Nutrition and Foods, and Restaurant and Foodservice Management. The minor in Family and Consumer Sciences may be earned by completing 21 hours to include the following courses: FCS 122, 131, 215 or 322, 352, 355, 371, and 471.

BACHELOR OF SCIENCE IN EDUCATION**Teaching Field in Family and Consumer Sciences**

A Bachelor of Science degree in Secondary Education with a major in Family and Consumer Sciences 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 are also qualified for positions in Cooperative Extension Service, business, foodservice supervision and other related fields. Please see pages 162 through 165 for additional Teacher Education Program requirements.

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, Spch	3
MS*	3	HY*	3
FCS 122, Fund of Food Prep	3	Soc/Beh Science *	3
FCS 131, Clothing	3	MS*	3
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15		15	

SOPHOMORE YEAR

Fall		Spring	
CS 201, Intro to D.P.	3	Literature*	3
Literature*	3	BY 102,104	4
BY 101,103	4	FCS 221, Meal Mgt.	3
Soc/Beh Science *	3	FCS 215, Intro to Nutrition	3
FCS 232, Textiles	3	Fine Arts Elective *	3
<hr/>		<hr/>	
16		16	

JUNIOR YEAR

Fall		Spring	
FCS 323, Exp. Foods	3	FCS 352, Child Devel	2
EPY 332, Ed. Psy	2	FCS 352L	1
FCS 333, Family Clothing	3	FCS 355, Family Life Ed	3
FCS 350, Lifespan Hum. Devel.	3	FCS 471 Family Housing	3
ESE 383, Rding in Content Area	3	FCS 371, Mgt. of Fam. Res.	3
SPE 300	3	FCS 335, Display	3
<hr/>		FCS elective	4
17		<hr/>	
		19	

SENIOR YEAR

Fall		Spring	
EPY 442, Ed. Measurement	3	CTE 486, Internship	9
FCS 325, Quantity Foods	3	ESE 454	1
ESE 331, School & Society	3	CTE 462, Career Tech Ed	3
CTE 461 Com Ed Skills	3	<hr/>	
EIM 410 Info Age Class	2	13	
General Elective	3	<hr/>	
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17			

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 in business as buyers, managers, and consultants for retail stores in the area of Fashion Merchandising.

A minor in Fashion Merchandising may be obtained by completing a minimum of 21 hours in clothing. Courses taken for a minor should include Family and Consumer Sciences 131, 232, 331, 332, 333, and 335 and 3 hours of additional clothing electives.

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
Natural Science/Analysis*	4	EH 141, Spch.	3
MS 102*, Alg.	3	HY*	3
ART 134, Drawing	3	Natural Science/Analysis*	4
FCS 131, Clothing Const.	3	FCS 331, Fash Fund and Merch.	3
		PSY 201, Prin.	3
	16		19

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
MS*	3	FCS 332, Prob in Merch.	3
HY*	3	CS 201*, Intro to D.P.	3
FCS 232, Textiles	3	ART 233, Design	3
EC 221, Prin.	3	FCS 352 Child Development	2
FCS 355 Family Life	3	FCS 352 Child Dev. Lab.	1
	18		15

JUNIOR YEAR

Fall		Spring	
Fine Art Elective*	3	ART 329, Beg Comm Design	3
MKT 301 Prin.	3	FCS 334, 431, 433 or 434	3
FCS 322 Normal Nutrition	3	FCS 371 Fam. Res. Mgt.	3
FCS 333 Fam Clothing.	3	MKT 361, Salesmanship	3
EC 222 Prin.	3	MKT 378, Cons. Behav.	3
MGT 305 Mgt. & Org. Behavior	3		
	18		15

SENIOR YEAR

Fall		Spring	
FCS 334, 431, 433 or 434	3	FCS 300 Prof. Dev.	1
FCS 335 Display	3	FCS 430 Sr. Expr.	3
FCS 432 History of Fashion	3	General Electives	5
MKT 377 Advertising	3	FCS 471 Housing	3
MKT 394 Retailing	3		
	15		12

TOTAL HOURS: 128

*See General Studies curriculum

BACHELOR OF SCIENCE**MAJOR IN FAMILY AND CONSUMER SCIENCES****Concentration: Dietetics**

The concentration in Dietetics has been planned to meet the Standards of Education and is approved by the American Dietetic Association. Graduates must complete ADA approved supervised practice in clinical settings if they wish to become registered

dietitians. (See Program advisors for more information.) Students must apply for admission to the Dietetics major at the beginning of the last semester of the sophomore year. To be admitted to the Program, students must complete all courses listed for the freshman and sophomore years with a minimum grade point average of 2.25 on a 4.0 scale and must maintain this average to remain in the Program. Students may be admitted conditionally for one semester. Application forms and additional information may be obtained from program advisors. Dietitians work in commercial foodservice, hospital dietetics, public health services, and community nutritional services.

A minor in Nutrition and Foods may be obtained by completing 18 hours including 9 hours core of FCS 122, 322 and 338 and 9 hours from the following courses: FCS 311, 324, 420 or 421.

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
MS 102*, Alg.	3	EH 141	3
CY 105**, Gen Chem	3	MS 204	3
CY 107** Chem Lab	1	PSY 201, Prin	3
FCS 122, Fund of Food Prep	3	EC 222, Economics	3
BY 101, 103	4	FCS 221, Meal Mgt	3
	<hr/> 17		<hr/> 18

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
HY*	3	HY*	3
CY 109**, Elem Organ Chem	3	CY 164**, Physiological Chem	4
CY 110**, Chem Lab	1	FCS 322 Normal Nutrition	3
FCS 323 Exp. Foods	3	CS 201*, Intro to D.P.	3
SY 221, Intro to Soc	3		
	<hr/> 16		<hr/> 16

JUNIOR YEAR

Fall		Spring	
Fine Arts Elective	3	BY 263, Human Anatomy & Phys. I ..	3
FCS 311, Intro to Diet	3	FCS 355 Family Life	3
FCS 324, Adv Nut	3	FCS 326 Foodservice Syst Mgt	3
FCS 325, Qnty Food Prod	3	FCS 338 Com Nut	3
FCS 461, FCS Ed I	3	FCS 352 Child Development	3
FCS 301, Car. Path. in Diet	1		
	<hr/> 16		<hr/> 15

SENIOR YEAR

Fall		Spring	
FCS 335 Display	3	FCS 471 Family Housing	3
MGT 305 Mgt & Org Behav.	3	BY 283 Health Micro	3
FCS 420 Diet and Disease	3	FCS 421 Diet and Disease	3
FCS 422 Foodservice Mgt	3	FCS 424 Foodservice Mgt	3
BY 264 Human Anat & Phys. II	3	FCS 371 Resource Mgt	3
	<hr/> 15		<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: Restaurant and Foodservice Management

The concentration in Restaurant and Foodservice Management offers academic background and field experience in the area of foodservice management and is planned for people interested in commercial foodservice. A minor may be earned in Restaurant and Foodservice Management by completing 18 hours including FCS 122, 215, 323, 325, 326, 422, and 424.

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch.	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, Prin	3	FCS 221, Meal Mgt.	3
	16		16

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
MS 102*, Alg	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 D.P.	3	FCS 322 Normal Nutrition	3
FCS 323	3	FCS 341 Household Equip	3
	18		18

JUNIOR YEAR

Fall		Spring	
MGT 305, Mgt. & Org. Beh.	3	FCS 326	3
ACC 200 and 200L	4	CY 101, Fund	3
BY 283 Health Micro	3	MGT 386, Superv.	3
FCS 325 Qnty Food Prep	3	ACC 210	3
FCS 352 Child Development	2	FCS 371 Resource Mgt.	3
FCS 352L Child Dev. Lab	1		
	16		15

SENIOR YEAR

Fall		Spring	
FCS 335 Display	3	FCS 300, Prof Dev	1
FCS 355 Family Life	3	FCS 471 Housing	3
FCS 422, Foodservice Mgt	3	FCS 424, Foodservice Mgt	3
MKT 301, Prin	3	FCS 425, Practicum	6
MGT 385	3		
Elective	1		
	16		13

TOTAL HOURS: 128

*See General Studies curriculum

CHILD AND FAMILY DEVELOPMENT (FCS)**DESCRIPTION OF COURSES**

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.
- 352L. **Child Growth and Development Laboratory (1).** Taken concurrently with FCS 352 lecture; two hours per week. Methods of guidance of young children, ages three and four.
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. **Issues in Human Development (3).** Current topics in the areas of child and/or family development.

CLOTHING AND TEXTILES (FCS)

131. **Clothing Construction (3).** Personal appearance, selection, and care of clothing and textiles. Fundamentals of clothing construction, pattern selection, and fit. Application of fundamentals through garment construction. Lab fee.
232. **Textiles (3).** Textile fabrics, their composition, structure and use along with weaves, finishes and care. Natural and manmade fibers used in clothing. Lab fee. Usually taught in the Fall.
330. **Braids, Trims, and Stitchery (3).** *Prerequisite:* FCS 131. Three lecture periods. The use of individuality in creating unusual trims and accessories for dress. Lab fee.
331. **Fashion Fundamentals and Merchandising (3).** Organization and structure of the fashion industry with emphasis on retailing, sources of information, and fashion trends.
332. **Problems in Merchandising (3).** *Prerequisite:* FCS 131. Problems and issues affecting buyers and consumers in selection, purchase, use and care of textiles and non-textile merchandise.
333. **Family Clothing (3).** *Prerequisite:* FCS 131. One lecture period and four laboratory periods. Planning, selection, purchasing and care of family clothing. Emphasis on construction of children's clothing. Lab fee.
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. Lab fee.
335. **Display (3).** *Prerequisite:* ART 233. Three lecture periods. 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. Lab fee.
430. **Senior Experiences in Fashion Merchandising (3).** *Prerequisite:* Senior status and approval of instructor. Field experiences in merchandising. May be duplicated for credit for a total of six (6) semester hours.
431. **Tailoring (3).** *Prerequisite:* FCS 131. One lecture period and four laboratory periods. Problems of construction involving professional techniques in tailoring. Lab fee.
432. **History of Fashion (3).** The development of fashion throughout history, with an investigation of the influence of sociological, psychological, economic and cultural factors.

433. **Advanced Tailoring (3).** *Prerequisite:* FCS 131. One lecture period and four laboratory periods. Principles of tailoring applied to the construction of men's clothing. Lab fee.
434. **Draping and Costume Design (3).** *Prerequisites:* FCS 131 and 334. One lecture period and four laboratory periods. Designing and draping original costumes; emphasis on distinctive effects related to personality, figure, coloring and fabric characteristics. Lab fee.
472. **Creative Expressions in Home Furnishings (3).** One lecture period and four laboratory periods. Selection and use of household fabrics and materials including the design and construction of home furnishings and accessories.

FOOD, NUTRITION, AND FOODSERVICE MANAGEMENT (FCS)

122. **Fundamentals of Food Preparation (3).** Two lectures and one laboratory period. An introduction to the study of food including selection, principles of preparation, and evaluation of food products. Lab fee.
215. **Introductory Nutrition (3).** Three lecture periods. Introduction to the principles of nutrition including nutrient requirements for individuals of all ages. Usually taught in the Fall. Not open to students who have taken FCS 322.
221. **Meal Management (3).** *Prerequisite:* FCS 122. Two lectures and one laboratory period. A survey of the market place and consumer protection laws that regulate the wholesomeness and maintain the nutritional quality of food. The application of managerial skills in the production of family meals. Lab fee.
301. **Career Paths in Dietetics (1).** *Prerequisite:* Jr. Standing. A survey of the career paths in dietetics and the process for entering the field.
311. **Introduction to Dietetics (3).** *Prerequisites:* FCS 322, CY 164, and BY 262. An introduction to the professional and practice of dietetics. Usually taught in the Fall.
322. **Normal Nutrition (3).** *Prerequisite:* Chemistry 105. Three one-hour lecture periods. Application of fundamentals of human nutrition including various nutrients and requirements for different stress groups.
323. **Experimental Food Cookery (3).** *Prerequisite:* FCS 122. Two lectures and one laboratory period. The advanced study of food including the physical and chemical properties of food and factors affecting the quality of standard food products. Lab fee. Usually taught in the Fall.
324. **Advanced Nutrition (3).** *Prerequisites:* FCS 322, CY 164, and BY 262. Three lecture periods. Normal nutrition metabolism and an overview of aberrations in normal metabolism as affected by diseases. An introduction to diet therapy principles and drug-nutrient interactions. Usually taught in the Fall.
325. **Quantity Food Production (3).** *Prerequisite:* FCS 323. Two lectures and one laboratory period. Introduction to institutional preparation and service of food, equipment operation and maintenance, menu planning and recipe standardization. Lab fee. Usually taught in the Fall.
326. **Foodservice Systems Management (3).** *Prerequisite:* FCS 325. One lecture period and two laboratory periods. An introduction to the systems approach of organizational structure and relationships using meal preparation for demonstration of the approach. Includes safety and sanitation. Usually taught in Spring. Lab Fee.
338. **Community Nutrition (3).** *Prerequisite:* FCS 315 or 322. Application of community nutrition strategies to health care problems and exploration of approaches useful in the design and evaluation of these programs.
420. **Diet and Disease I (3).** *Prerequisite:* FCS 322. Counseling and coordinated nutritional services for clients, adaptation of the normal diet for texture, energy, carbohydrate, protein, and lipids.

- 421. **Diet and Disease II (3).** *Prerequisite:* FCS 420. A continuation of Diet and Disease I. Modification of the normal diet in diseases of the hepatobiliary systems, kidney, and other dietary modifications. Usually taught in the Spring.
- 422. **Foodservice Management I (3).** *Prerequisite:* FCS 122. Three lecture periods. Management techniques and functions in foodservice with emphasis on personnel management. Usually taught in the Fall.
- 424. **Foodservice Management II (3).** *Prerequisite:* FCS 422. Three lecture periods. Methods of analysis for required materials and personnel in foodservice and equipment selection. Effective use of personnel as a resource. Usually taught in the Spring.
- 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. Usually offered in the May term. Three hours are required for students in education; six hours are required for Nutrition and Foods majors.
- 427. **Special Problems in Foods, Nutrition, and Institutional Management (3).** May be duplicated for credit for a total of six (6) semester hours. Individual work in selected area.
- 428. **International Foods (3).** Two lectures and two laboratory periods. Study of food practices, preparation and service of dishes typical of countries around the world. Lab fee.

CAREER/TECHNICAL EDUCATION (CTE)

- 461. **Communication and Education Skills (3).** *Prerequisite:* Consent of instructor. Planning and implementation of instructional methods and materials in secondary career/technical education and community education programs. Field experiences.
- 462. **Career Technical Education (3).** *Prerequisite:* Consent of Instructor. Organization and administration of career/technical education in secondary schools. Includes needs assessment, curriculum planning and implementation of programs. Field experiences.
- 486. **Internship in the High School (3).** *Prerequisites:* Completion of education courses over a two semester sequence and permission of instructor. May be duplicated for credit for a total of nine (9) semester hours. Supervised teaching and observance in Career/Technical Education.

HOUSING, HOME MANAGEMENT AND HOME ECONOMICS (FCS)

- 300. **Professional Development (1).** The philosophical base of family and consumer sciences and issues affecting the profession. Survey of specialty fields and professional practices. Usually offered in the Spring.
- 341. **Household Equipment (3).** Three lecture periods. Correlates the study of the best use of family resources of time, money and energy with the study of materials, construction, operation, installation, cost and use of household equipment. Lab fee. Usually taught in the Spring.
- 371. **Management of Family Resources.** *Prerequisite:* Junior standing. Focuses on the practical application of management principles for use of resources to maximize individual and family quality of life.
- 471. **Family Housing (3).** An overview of present-day family housing needs including location, space needs, house construction and selection, alternative housing, and home furnishings.

DEPARTMENT OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

309 MATHEWS COLISEUM

Gillam: Department Head**Professors: Gillam, Harris, Reynolds, Roswal****Associate Professor: Hammett, Hey****Assistant Professor: Croom****Instructors: Carothers**

The Department of Health, Physical Education and Recreation offers a Bachelor of Science in Education degree in Health Education or Physical Education. Students who meet the requirements for these degree programs will be eligible to apply for a Baccalaureate level Professional Certificate and will be qualified to teach Health Education in grades 7 through 12 or 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 27 hours of departmental courses including PE 101, 362, 400, 415, 460, HLT 232, 312, eleven hours of teaching activities including PE 205, 206, 207, 208, three hours from both teaching team and individual and dual sports, and one hour of aquatics. Certification in Health Education requires eleven hours in the teaching field including Health 212, 232, 312, and 420. Please see pages 162 through 165 for additional Teacher Education Program requirements.

A minor in physical education is available for students who are pursuing a non-teaching degree. The requirements for a minor in physical education are 21 hours which must include PE 101; 7-8 hours selected from PE 104-161, 205-230; and 11-12 hours selected from PE 272, 362, 391, 392, 393, 400, 401, 403, 405, 421, 422, 415, 440, 441, 460, HLT 318. A minor in physical education may not be taken in conjunction with a major in exercise science and wellness.

The Department of Health, Physical Education and Recreation also offers non-teaching Bachelor of Science degrees with a major in Recreation Administration or Exercise Science and Wellness. In addition to core curriculum requirements, students majoring in Recreation may attain this degree by completing a general recreation core consisting of REC 271, 430, 435, and HLT 232, and six hours in each of the following areas of concentration: community recreation and youth sports, therapeutic recreation, and camping and outdoor education, six hours of elective activity courses, 10-16 hours of general electives, six hours of approved management courses, and 18-24 hours from a chosen minor. A student majoring in recreation may minor in physical education.

A minor in Recreation Administration is available for students majoring in non-teaching degree fields. A minimum of 21 hours which must include REC 430; 12 hours selected from REC 271-312, PE 421, 422; and six (6) hours selected from PE 104-161, 205-230, 382, 401, 403, HLT 232, 318 are required.

Students majoring in Exercise Science and Wellness may attain this degree by completing the 46 hour core curriculum, three hours of computer literacy, department courses including PE 206, 230, 272, 362, 375, 400, 405, 415, 440, 441, 465, HLT 318, nine hours of departmental approved elective courses, 12 hours of required courses outside the department and 24 hours from a chosen minor/general electives.

Students majoring in either Exercise Science and Wellness or Physical Education may choose to pursue a concentration in Athletic Training through completing PE 272, 275, 372, 375 and 1500 hours of practicum in an athletic and clinical setting.

The department also offers a non-teaching concentration in coaching for students who are interested in coaching and are pursuing a teaching degree in an area other than health and physical education. A minimum of 12 hours consisting of PE 272 or HLT 232, PE 300, 391, and 405 are required.

BACHELOR OF SCIENCE IN EDUCATION**Teaching Field: Physical Education (N-12)****FRESHMAN YEAR**

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY in Sequence	3	EH 141, Spch	3
Science	3	HY in Sequence	3
PE 101 Intro to Health & PE	2	Social/Behav Sci.	3
PE 109*	3	PE Elective	3
Elective	1		
	<hr/>		<hr/>
	15		15

SOPHOMORE YEAR

Fall		Spring	
Literature /Humanities	3	Literature/Humanities	3
PE Elective	2	Social/Behav Science*	3
MS 102*, Alg	3	PE Elective	3
Fine Arts Elective/FL	3	HLT 232 EMS	2
CS 201 Intro to DP	3	Gen. Electives	5
BY 263 Anat & Phys	3	Science	4
	<hr/>		<hr/>
	17		17

JUNIOR YEAR

Fall		Spring	
PE 362, Kinesiology	2	EIM 410	2
PE 381 Adapted PE	2	PE 460 Motor Dev.	2
HLT 312, Health Problems	3	PE 400 Ex. Phsy.	3
PE 150-158, 205-230	2	PE 415 Biomechanics.	2
EPY 332 Educ. Psy.	2	Gen. Electives	8
ESE 331 School & Society	3		
Gen. Electives.	4		
	<hr/>		<hr/>
	18		17

SENIOR YEAR

Fall		Spring	
PE 462, PE Program	3	PE 487 Internship	9
PE 451, Tests & Meas PE	3	PE 482, Seminar in PE	1
PE 410, Meth Tch PE N-12	3	Gen. Electives	4
PE 411, Practicum PE n-12	3		
EPY 429, Dev Psych	3		
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	15		14

TOTAL HOURS: 128

*See General Studies curriculum

BACHELOR OF SCIENCE
MAJOR: RECREATION ADMINISTRATION
FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch	3
Natural Science*	4	HY*	3
PE 109*	3	Natural Science*	4
PE Activity Elective	3	PE Activity Elective	2
	16		15

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Social/Behavioral Science*	3	Social/Behav Science*	3
MS 102*, Alg	3	MS 104, Finite	3
Fine Arts Elective*	3	Approved Elect/Minor	4
Approved Elect/Minor	3	HLT 232, EMS	2
REC 271, REC Games		CS 201, Intro to D.P.	3
	18		18

JUNIOR YEAR

Fall		Spring	
REC/PE Elective	6	REC/PE Elective	6
Approved Elect/Minor	7	Approved Elect/Minor	6
MGT Elective	3	MGT Elective	3
	16		15

SENIOR YEAR

Fall		Spring	
REC/PE Electives	3	REC 435, Practicum	
REC 430, REC Admin	3	in REC	6
Approved Elect/Minor	9	REC/PE Electives	3
	15	Approved Elect/Minor	6
			15

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, Spch	3
Natural Science*	4	HY*	3
FCS 215 or 322*	3	Natural Science*	4
PE, HLT, or REC Elective	3	Minor/Approved Elect	2
	16		15

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature*	3
Social/Behavioral Science*	3	Social/Behav Science*	3
MS 102*, Alg	3	MS 204, Basic Stat.	3
Fine Arts Elective*	3	HLT 318, HLT Ed Spec Pop	3
PE 206	1	CS 201*, Intro to D.P.	3
PE 230	1	PE, HLT, or	
Minor/Approved elective	3	REC Elective	3
	<hr/> 17		<hr/> 18

JUNIOR YEAR

Fall		Spring	
BY 263, Anat & Phys	3	PE 362, Kinesiology	2
MGT 305, Prin	3	PE 375, Ther Exer/Mod	3
PE 272, Basic Ath Train	3	PE 400, Ex Phy	3
Minor/Approved Elective	7	Minor/Approved Elect.	5
	<hr/> 16	PE, HLT, or	
		REC Elective	3
			<hr/> 16

SENIOR YEAR

Fall		Spring	
PE 405, Sci Prin of Cond	3	Minor/Approved Elect	9
PE 415, Biomechanics	2	PE 465, Practicum	6
PE 440, Fitness Testing	3		
PE 441, Design of Well Prog.	3		15
Minor/Approved Elective	3		
	<hr/> 14		

TOTAL HOURS: 128

*See General Studies curriculum

GENERAL PHYSICAL EDUCATION COURSES (PE)**DESCRIPTION OF COURSES**

- 101. Introduction to Health and PE (2).** An introduction to the profession including physical activities, professional organizations, career opportunities, historical development, and development of a sound professional philosophy. Practicum required.
- 300. Practicum in Physical Education (3).** *Prerequisite:* Nine hours in physical education including PE 101. Directed experience in observations and participation in physical education classes. Seminars will be held in conjunction with this course.
- 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.
- 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.
- 410. Methods of Teaching PE, N-12 (3).** *Prerequisite:* Admittance to the teacher education program. Methods and techniques of teaching N-12 physical education.
- 411. Practicum in PE, N-12 (3).** *Corequisite:* To be taken concurrently with PE 410. Field experiences in application of methods and materials for N-12 physical education.

451. **Test and Measurements in PE (3).** *Prerequisites:* Admittance to the education program. Techniques of test evaluation, administration, and interpretations. Emphasis on physical fitness, body mechanics, sports skills, and knowledge tests.
462. **Physical Education Program (3).** *Prerequisites:* Admittance to the education program. The study of curriculum, teaching methods, skills, and the organization and administration of PE programs. Ten hours practicum required.
482. **Seminar in Physical Education (1).** This course contributes to the preparation and meaningfulness of the student internship.
487. **Internship in Grades N-12 (3).** *Prerequisite:* Approval for professional semester. Supervised teaching in grades N-12. Degree students are required to take a 9-hour internship. Consult an academic advisor about scheduling. May be duplicated for credit for a total of nine (9) semester hours.
488. **Student Teaching in Physical Education (6).** *Corequisite:* To be taken concurrently with PE 487. Supervised Teaching in Physical Education.

GENERAL SERVICE (PE)

104. **Aerobics and Fitness (3).** Included is a scientific program of exercise based on running. The course is geared toward the overall fitness and health of the body. A unique system of measuring progress toward maximal health is included. The point system of aerobics is discussed.
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.
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.
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.
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.

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. **Lifeguarding (2).** Elementary and advanced forms of rescue including: approaches, escapes, carries, removal from water, and preventive lifeguarding. ARC lifeguard certification awarded if CPR and first aid requirements have previously been met (See instructor for specific details).
154. **Lifeguard Instructor (2).** *Prerequisite: 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 (1).** 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.
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.

TEACHING METHODOLOGY (PE)

REQUIRED:

205. **Teaching Dance (1).** Instruction in teaching the fundamentals of dance.
206. **Teaching Aerobic Fitness (1).** Instruction in teaching the fundamentals of aerobic fitness.
207. **Teaching Tumbling (1).** Instruction in teaching the fundamentals of tumbling.
208. **Teaching Outdoor Leisure (1).** Instruction in teaching the fundamentals of various outdoor leisure activities.

TEAM SPORTS:

215. **Teaching Soccer & Speedball (1).** Instruction in teaching and coaching the fundamentals of soccer and speedball.
216. **Teaching Softball & Baseball (1).** Instruction in teaching and coaching the fundamentals of softball and baseball.
217. **Teaching Volleyball (1).** Instruction in teaching and coaching the fundamentals of volleyball.
218. **Teaching Basketball (1).** Instruction in teaching and coaching the fundamentals of basketball.

INDIVIDUAL AND DUAL SPORTS:

224. **Teaching Badminton (1).** Instruction in teaching and coaching the fundamentals of badminton.

- 225. **Teaching Track and Field (1).** Instruction in teaching and coaching the fundamentals of track and field.
- 226. **Teaching Tennis (1).** Instruction in teaching and coaching the fundamentals of tennis.
- 227. **Teaching Archery (1).** Instruction in teaching and coaching the fundamentals of archery.
- 228. **Teaching Racquetball (1).** Instruction in teaching and coaching the fundamentals of racquetball.
- 229. **Teaching Golf (1).** Instruction in teaching and coaching the fundamentals of golf.
- 230. **Teaching Strength Training (1).** Instruction in teaching and coaching the fundamentals of strength and conditioning training.

INTEREST AREAS

ATHLETIC TRAINING (PE)

- 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: PE 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.
- 372. **Assessment of Athletic Injuries (3).** *Prerequisite: PE 275 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: PE 372 or permission of instructor.* Theory and use of therapeutic modalities and rehabilitative exercise. Students will have the opportunity to learn through special experience.
- 471-478. **Practicum in Athletic Training (1).** Practical experiences in athletic training.

COACHING (PE)

- 302. **Practicum in Coaching (3).** Field experience in coaching.
- 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.
- 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.

EXERCISE SCIENCE AND WELLNESS (PE)

- 109. **Concepts of Wellness (3).** Study of basic concepts of physical fitness including principles of exercise, stress management. Weight control, relaxation and the management of emergencies, accidents, and injuries.
- 362. **Kinesiology (2).** *Prerequisite: BY 263.* A science of human motion, and analysis of body movements and action of muscles in human activities.

- 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, neuromuscular integration, and environmental factors.
- 405. **Scientific Principles of Conditioning (3).** *Prerequisite:* Junior standing. Application of scientific principles to the training and conditioning of athletics. Emphasis will be directed toward strength, endurance, and speed acquisition, ergogenic aids, and nutrition.
- 415. **Biomechanics (2).** *Prerequisite:* PE 362. A study of human movement with emphasis on biomechanical principles and their application to sport and exercise.
- 440. **Fitness Testing (3).** *Prerequisites:* PE 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:* PE 362, 400. Study of the different areas of health promotion such as smoking cessation, nutrition, stress awareness, environmental sensitivity and different kinds of fitness programs.
- 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.
- 465. **Practicum in Exercise Science and Wellness (6).** *Prerequisites:* PE 441 and Senior Standing. Practicum experiences in rehabilitative and/or preventative medicine with respect to ESW programming.

SPECIAL PHYSICAL EDUCATION (PE)

- 381. **Adapted Physical Education (2).** 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.
- 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.

HEALTH (HLT)

- 212. **Personal & Community Health (3).** The development of habits, attitudes, and knowledge concerning health, and the professional preparation of individuals for work in the community health field. Practicum required.
- 232. **Emergency Medical Service (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.
- 312. **Health Problems (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. Practicum required.
- 315. **Foundations of Health Science (3).** A historical and philosophical study of the growth and development of health science.
- 316. **Current Issues and Trends in Health (3).** This course includes current health problems and issues such as AIDS and teenage pregnancy.

- 318. **Health Education for Special Populations (3).** An examination of the nature and needs of special populations. Current research in this area will be explored by lecture, films and readings to better understand the area.
- 412. **Special Projects in Health Education (3).** *Prerequisite: Permission of department head.* Student participation in solving actual problems related to health.
- 415. **Seminar in Health Education (1).** Problems involved in teaching issues in health education and related topics.
- 420. **Health Aspects of Aging (3).** Physical, social, emotional, and mental aspects of aging.
- 460. **Health Programs in Grades 7-12 (3).** This course deals with methods and materials in health education for grades 7-12, including: health services, healthful school environment, and health instruction. Practicum required.

RECREATION ADMINISTRATION (REC)

- 271. **Recreational games (3).** Introduction to games for all occasions-ball games, water games, quiet games, gag games, music games, and games for all populations. Focuses on games analysis.
- 301. **Youth Sports Program (3).** Methods and principles of organizing and administering youth sports programs. Activities include directed practical experiences.
- 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.
- 430. **Recreation Administration (3).** *Prerequisite: Junior standing.* Methods of organizing and administering recreation programs. Activities include directed practical experiences.
- 435. **Practicum in Recreation (6).** *Prerequisites: REC 430 and Senior standing.* Practical field experience in selected programs.

DEPARTMENT OF TECHNOLOGY

203 Self Hall

Marbut: Acting Department Head
Instructors: Bellman, Godbey, Marbut

The Department of Technology offers courses leading to the Bachelor of Science degree with four available majors: Computer Integrated Manufacturing Systems Technology, Electronics Technology, Occupational Safety and Health Technology and Technology. These 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. Students majoring in Technology may choose to concentrate in industrial technology management or select a minor in a field of their choice. Each area directs the student into specific technical courses in preparation for a variety of career opportunities.

The Technology major has unique provisions for persons already in the work force 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.

The Department also offers a minor in Technology 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 department will not be eligible for the Technology minor.

The program in Secondary Education offers a Technology Education option which provides students the opportunity to obtain a Class B teaching certificate. Certification in Technology Education requires 30 hours in the teaching field (technology courses). Student must see the Department of Technology for advisement of these classes. See the Department of Educational Resources section of this catalogue for other specific program requirements.

COMPUTER INTEGRATED MANUFACTURING SYSTEMS

TECHNOLOGY MAJOR

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY 101 or 201 ¹	3	TEC 209 Intro to Tec	3
TEC 201 Microcomputers	3	TEC 211 AC/DC Circuits	3
MS 102, Algebra	3	HY 102 or 202 ¹	3
Soc/Beh Science ²	3	General Electives	4
General Electives	1		
	<hr/>		<hr/>
	16		16

SOPHOMORE YEAR

Fall		Spring	
Natural Science ³	4	Natural Science ³	4
Literature ⁴	3	EC 222	3
Fine Art ⁵	3	Literature ⁴	3
EH 141 Speech	3	TEC 351 CAD II	3
TEC 250 CAD I	3	MS 204 Statistics	3
	<hr/>		<hr/>
	16		16

JUNIOR YEAR

Fall		Spring	
TEC 302 Adv. Tech. Math.	3	TEC 370 Cont. Qual. Impr.	3
TEC 344 Mfg. Cost Analysis.	3	EH 322 Technical Writing.	3
TEC 361 Materials & Processes	3	TEC 380 Ind. Safety & Health	3
TEC 366 Control Systems	3	TEC 418 Electronics-Micro	3
TEC 365 Strength of Ind. Mat.	3	TEC 343 Managing Eng. Tech.	3
General Electives	1	General Electives	1
	<hr/>		<hr/>
	16		16

SENIOR YEAR⁶

Fall		Spring	
TEC 450 Prog. Controllers	3	TEC 429 App. Dig. Comm. Sys	3
TEC 452 Managing & Net. CIMs	3	TEC 460 CA Manufacturing	3
TEC Electives ⁷	3	TEC 496 Adv. Problems in Tec	3
General Electives	7	General Electives	7
	<hr/> 16		<hr/> 16

ELECTRONICS TECHNOLOGY MAJOR**FRESHMAN YEAR**

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY 101 or 201 ¹	3	TEC 209 Intro to Tec	3
TEC 201 Microcomputers	3	MS 204 Statistics	3
MS 102, Alg.	3	HY 102 or 202 ¹	3
Soc/Beh Science ²	3	General Electives	4
General Electives	1		
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Natural Science ³	4	Natural Science ³	4
Literature ⁴	3	Literature ⁴	3
Fine Art ⁵	3	EC 222	3
EH 141 Speech	3	TEC 211 AC/DC Circuits	3
TEC 250 CAD I	3	General Electives	3
	<hr/> 16		<hr/> 16

JUNIOR YEAR

Fall		Spring	
TEC 225 Elec. Devices I	3	TEC 326 Elec. Devices II	3
TEC 302 Adv. Tech. Math.	3	TEC 327 Elec. Devices II Lab	1
TEC 311 Elec. Digital	3	TEC 343 Managing Eng. Tec	3
TEC 344 Mfg. Cost Analysis	3	TEC 370 Cont. Qual. Impr	3
TEC 361 Materials & Processes	3	TEC 380 Ind. Safety & Health	3
General Electives	1	EH 322 Technical Writing	3
	<hr/> 16		<hr/> 16

SENIOR YEAR⁶

Fall		Spring	
TEC 316 Advanced Electronics	3	TEC 429 App. Dig. Comm. Sy	3
TEC 366 Control Systems Tech	3	TEC 496 Adv. Problems in Tec	3
TEC Electives ⁷	3	TEC Electives ⁷	3
General Electives	7	General Electives	7
	<hr/> 16		<hr/> 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 209 Intro to Tec	3
TEC 201 Microcomputers	3	MS 204 Statistics	3
MS 102, Alg.	3	HY 102 or 202 ¹	3
Soc/Beh Science ²	3	General Electives	4
General Electives	1		
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Natural Science ³	4	Natural Science ³	4
Literature ⁴	3	Literature ⁴	3
Fine Art ⁵	3	EC 222	3
EH 141 Speech	3	TEC 211 AC/DC Circuits	3
TEC 250 CAD I	3	General Electives	3
	<hr/> 16		<hr/> 16

JUNIOR YEAR

Fall		Spring	
TEC 302 Adv. Tech. Math.	3	TEC 343 Managing Eng. Tech	3
TEC 344 Mfg. Cost Analysis	3	TEC 370 Cont. Qual. Impr	3
TEC 361 Materials & Processes	3	TEC 382 Stds. of Ind. Safety	3
TEC 380 Ind. Safety & Health	3	TEC 484 Industrial Ergonomics	3
General Electives	4	EH 322 Technical Writing	3
	<hr/> 16	General Electives	1
			<hr/> 16

SENIOR YEAR⁶

Fall		Spring	
TEC 392 Fire Safety Tech	3	TEC 341 Motion & Time Study	3
TEC 485 Ind. Safety Mgt	3	TEC 487 Systems Safety	3
TEC 390 Hazard Control Tech	3	TEC 488 Industrial Hygiene	3
TEC 496 Adv. Problems in Tec	3	TEC 489 Hazard Materials in Tec	3
General Electives	4	General Electives	4
	<hr/> 16		<hr/> 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 209 Intro to Tec	3
TEC 201 Microcomputers	3	TEC 211 AC/DC Circuits	3
MS 102, Alg.	3	HY 102 or 202 ¹	3
Soc/Beh Science ²	3	General Electives	4
General Electives	1		
	<hr/> 16		<hr/> 16

SOPHOMORE YEAR

Fall		Spring	
Natural Science ³	4	Natural Science ³	4
Literature ⁴	3	Literature ⁴	3
Fine Art ⁵	3	EC 222	3
EH 141 Speech	3	MS 204	3
TEC 250 CAD I	3	TEC 380 Ind. Safety and Health	3
	<hr/> 16		<hr/> 16

JUNIOR YEAR

Fall		Spring	
TEC 302 Adv. Tech. Math.	3	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
TEC 370 Cont. Quality Impr.	3	EH 322 Technical Writing	3
General Electives	4	General Electives	4
	<hr/> 16		<hr/> 16

SENIOR YEAR*

Fall		Spring	
TEC 361 Materials & Processes	3	TEC 432 MRP	3
TEC 436 Inventory Mgt	3	TEC 484 Industrial Ergonomics	3
TEC 437 Capacity Mgt	3	TEC Electives ⁷	3
TEC Electives ⁷	3	TEC 496 Adv. Problems in Tec	3
General Electives	4	General Electives	4
	<hr/> 16		<hr/> 16

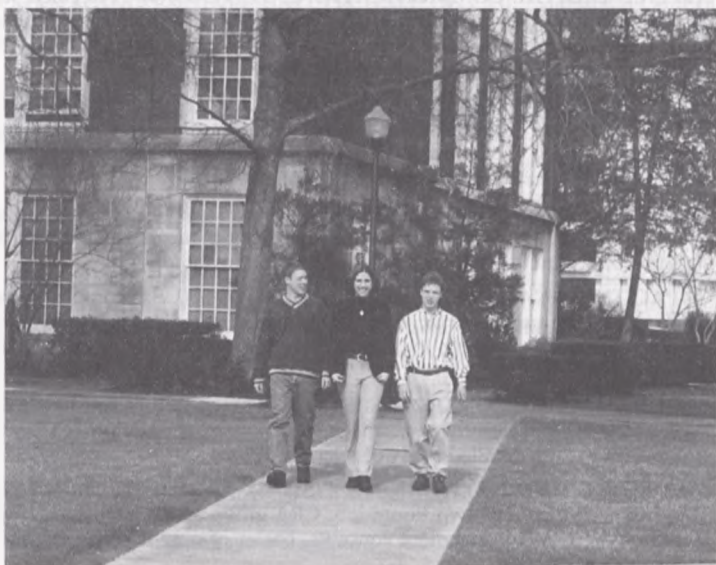
¹Select one complete sequence: HY 101, 102 or 201, 202²Select from: AN 224, GY 120, PSC 100, PSY 201, SY 221³Select from: CY 105, 106, 107, 108 or PHS 201, 202, 211L, 212L⁴Select from: EH 201, 202, 203, 204, 219, 220, 231, 232⁵Select from: ART 202, DR 242, MUS 233, FL 101⁶Students will be required in their senior year to take a professional certification exam in meeting graduation requirements⁷See advisor for approved electives**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. Lab fee.
- 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.
- 211. AC/DC CIRCUITS (3).** *Prerequisite: MS 102 or equivalent.* 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 (3).** *Prerequisites: MS 102 and TEC 211.* Two hours lecture and two hours lab. First course in solid state devices. Course topics include: solid state fundamentals, diodes, BJTs, amplifiers and FETs.

250. **COMPUTER-AIDED DESIGN I (3).** *Prerequisite:* TEC 201 or equivalent. Two hours lecture and two hours lab. Interpreting engineering drawings and the creation of computer graphics as applied to two-dimensional drafting and design. Lab fee.
302. **ADVANCED TECHNICAL MATHEMATICS (3).** *Prerequisite:* MS 102 or equivalent. Selected topics from analytic geometry, differential and integral calculus.
307. **INDUSTRIAL TRAINING (3).** 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 (3).** *Prerequisite:* TEC 201 or equivalent. Two 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).** *Prerequisite:* 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).** Examines the issues involved in effective manufacturing, production and inventory control and shows their interrelatedness.
341. **MOTION AND TIME STUDY (3).** 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).** 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).** Examination and planning of manufacturing operations, personnel, control methods, equipment and supplies.
344. **MANUFACTURING COST ANALYSIS (3).** *Prerequisite:* MS 102. Technical and economic evaluation of manufacturing operations to determine cost and feasibility.
351. **COMPUTER-AIDED DESIGN II (3).** *Prerequisite:* TEC 250. Two hours lecture and two hours lab. Continuation of TEC 250 to include three-dimensional wireframe modeling, three-dimensional surface modeling, and software customization. Lab fee.
361. **MATERIALS AND PROCESSES OF INDUSTRY (3).** 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:* TEC 302 or MS 103 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).** An introduction to the concept of continuous quality improvement and its implementation using process improvement teams.
371. **QUALITY CONTROL IN INDUSTRY (3).** Methods and procedures employed in industrial quality control, theories of measurement, error, prediction, sampling, tests of significance and models.
373. **RELIABILITY TECHNOLOGY (3).** *Prerequisite: MS 204.* 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).** *Prerequisite: TEC 380.* Standards for plants and manufacturing operations. Enforcement of safety standards and OSHA checklist.
390. **HAZARD CONTROL TECHNOLOGY (3).** *Prerequisites: TEC 361 and TEC 365.* Principles and methods for the analysis and design of processes, equipment, products, facilities, operations and environment.
392. **FIRE SAFETY TECHNOLOGY (3).** Fire chemistry and propagation. Recognition and control of fire hazards, fire codes, risk, reports and records, and emergency response.
416. **CONTROL SYSTEMS II (3)** *Prerequisite: TEC 366.* Coverage of industrial control systems to include: process control sensors, manipulation of process variables, time and event driven control, and modes of continuous process control.
418. **ELECTRONICS-MICROPROCESSORS (3).** Two hours lecture and two hours lab per week. *Prerequisite: TEC 311.* Introduction to 16-bit computer technology, microcomputer programming, instruction set, breadboarding circuits, device selection and interfacing.
428. **ELECTRONICS - COMMUNICATIONS (3).** Two hours lecture and two hours lab per week. *Prerequisite: TEC 225.* RF transmitting and receiving circuits, amplitude and frequency modulation and detection, phase modulation, antennas, and RF transmission lines, and data transmissions.
429. **APPLIED DIGITAL COMMUNICATIONS SYSTEMS (3).** 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.
432. **MATERIALS REQUIREMENTS PLANNING (3).** *Prerequisite: TEC 330.* Principles of materials requirements planning, input/output relationships, material conversion stages, derivations of net requirements, planning horizons, lead times, inventory concepts, and capacity planning.
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.
450. **PROGRAMMABLE CONTROLLERS (3).** Two hours lecture and two hours lab. Study of industrial control concepts using modern programmable controllers systems (PCs) with detailed study of selected PCS.
452. **MANAGING AND NETWORKING CIMs (3).** *Prerequisites: TEC 201 and 450.* Two hours lecture and two hours lab. CIM group productivity techniques to include basic CIM management concepts, basics of networking, and advanced customization. Lab fee.

460. **COMPUTER-AIDED MANUFACTURING (3).** *Prerequisite:* TEC 302 and TEC. 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).** 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).** *Prerequisite:* TEC 380. Planning, implementation and evaluation of industrial safety programs.
487. **SYSTEMS SAFETY (3).** *Prerequisite:* TEC 380. 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 MATERIALS TECH. (3).** *Prerequisites:* TEC 380. Practical management and control of hazardous materials and wastes for the safety professional.
495. **SPECIAL TOPICS IN TECHNOLOGY (3).** 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).** *Prerequisite:* Senior status and approval of department head. Problems involving the application and integration of electronics, industrial safety, quality, industrial management, and/or computer integrated manufacturing technology.



LURLEEN B. WALLACE COLLEGE OF NURSING AND HEALTH SCIENCES

WALLACE HALL

Accredited by:
National League for Nursing Accrediting Commission
61 Broadway
New York City, N.Y. 10006
1-800-669-1656, #153

Dean: Martha Lavender

Professors: Camp, Foster, Freeman, Hembree, Latham, Lavender, Roberts
Instructors: Bougere, Curry, DeWeese, DiBiase, Grice, Hofland, Hossain, White

The College of Nursing and Health Sciences offers a Bachelor of Science in Nursing (B.S.N.) that enables the program graduate to apply to take the registered nurse licensure examination. 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.

Students are admitted to the upper division of nursing in the spring and fall of each year. Those seeking admission to nursing must contact the Coordinator of Student Services of the College of Nursing and Health Sciences at least three months prior to date of entry to establish records for acceptance and complete the application process.

At the date of entry into the upper division of nursing, the student must show completion of prerequisite courses with a minimum grade of "C" and a minimum Grade Point Average of 2.50. 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 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, 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.

The student is advised to review qualifications for licensure as well as grounds for denial of licensure before beginning the nursing major. Qualifications for licensure by examination include: high school graduation or equivalent, good moral character, successful completion of requirements for graduation from a Board-approved registered nurse program, not in violation of Code of Alabama, 1975, Section 34-21-25, or Alabama Board of Nursing Administrative Code 610-X-8-01 and 610-X-8-05. 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.

Grounds for denial of an RN license by examination include but are not limited to: conviction of a felony, conviction of a misdemeanor or felony involving moral turpitude or gross immorality, conviction of a state or federal law related to controlled substances (may be either a misdemeanor or a felony), failure to show good moral character as pertaining to nursing, abuse of, or addiction to, alcohol or other drugs, being mentally incompetent, unprofessional conduct, false representation of facts on application for licensure (Code of Alabama, 1975, Section 34-21-25; Alabama Board of Nursing Administrative code 610 X-8-01 and 610-X-8-05). 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. Misdemeanors must also be disclosed.

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 (2).** *Prerequisite: Acceptance to upper division.* Designed to introduce the nursing student to the basic principles of drug therapy, drug calculations, and drug classifications.
307. **Psychosocial Concepts in Nursing (2).** *Prerequisite: Acceptance to upper division.* Provides an overview of psychosocial concepts with an emphasis on the communication process, group dynamics and stress management.
309. **Health Assessment (4).** *Prerequisite: Acceptance to upper division.* Focuses upon patient assessment and nursing diagnosis, utilizing the approaches of history-taking and physical examination.
311. **Foundations of Nursing Practice (6).** *Prerequisite: Acceptance to upper division.* First clinical nursing course provides first contact with health status of individuals/families and emphasizes the nursing process, problem-solving, communication, and manipulated skills. Lab fee.
312. **Introduction to the Professional Role (10).** *Prerequisite: Acceptance to STEP Program.* For RN students only. This course is designed to assist the Registered Nurse in making the transition to baccalaureate nursing education.
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.* Designed to enable students to assume responsibility for care of children in a variety of settings with emphasis on normal growth/development and health teachings. Lab fee.
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 fee.
340. **Community-Based Care (3).** *Prerequisite: Completion of second semester upper division courses.* Nursing student will partner with faculty in assessing, planning, and/or implementing various solutions for community based health problems while participating in ongoing projects intended to impact the health and welfare of large populations. Lab fee.
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 prehospital emergency setting.
347. **Life Style 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.
400. **Research and Outcomes Management (3).** *Prerequisite: Completion of junior level nursing 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 junior level nursing courses.* Clinical course designed to enable the student to practice the various roles assumed by professional nurses in the provision of family centered maternal-infant care. Lab fee.
405. **Community/Mental Health (5).** *Prerequisite: Completion of junior level nursing 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 fee.
422. **Nursing Leadership and Health Policy (3).** *Prerequisite: Completion of first semester senior level nursing 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 semester senior level nursing courses.* Enhances and further develops the student's ability and knowledge to care for adults with complex health problems together with their need for sophisticated nursing interventions. Lab fee.
426. **Community Health Across the Lifespan (5).** *Prerequisite: Completion of first semester senior level nursing courses.* Enables the student to use an ecological approach in coping with health and illness problems of families, aggregates of populations, and communities. Lab fee.
428. **Practicum (2).** *Prerequisite: Completion of first semester senior level nursing courses.* 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.
445. **Concepts of Staff Development (3).** Elective in nursing. Survey of the structure, purposes, and functions of staff development programs in hospitals and other health care agencies. Adult learning and continued competence are emphasized.
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.

Prerequisite sequence for students entering upper division Fall 2000 and thereafter. Because of the transition to a revised curriculum, it is necessary that students entering upper division prior to Fall 2000 seek academic advisement.

FRESHMAN YEAR

Fall		Spring	
EH 101, Composition	3	EH 102, Composition	3
MS 102, Alg.....	3	SY 221, Sociology	3
BY 101/103, Intro to Biology	4	BY 263, Hum Antmy and Phys	3
PSY 201, Prin of Psy	3	NU 121, Ethics	3
	13		12
May			
EH 141, Spch.....	3		
HY*	3		
	6		

SOPHOMORE YEAR

Fall		Spring	
CY 105, Gen Chem.....	3	CS 201, Intro to Data Processing	3
CY 107, Gen. Chem Lab	1	Literature*	3
PSY 222, Human Development	3	BY 283, Microbiology	3
BY 264, Hum Antmy and Phys	3	MS 204, Basic Statistics	3
Literature*	3	FCS 322, Normal Nutrition	3
	<hr/> 13		<hr/> 15
May			
Fine Arts Elective*	3		
HY*	3		
	<hr/> 6		

Sequence for students accepted into upper division Fall 2000 and thereafter. Students entering upper division prior to Fall 2000 will follow the curriculum published at the time of acceptance.

JUNIOR YEAR

Fall		Spring	
NU 306, Pharmacology	2	NU 324, Child and Family Health ...	5
NU 307, Psychosocial Concepts in Nsg	2	NU 325, Adult Health in Secondary	
NU 309, Health Assessment	4	and Community Settings	5
NU 311, Foundation of Nsg Practice .	6	NU 322, Health Deviations	3
	<hr/> 14	NU Elective	3
			<hr/> 16
May			
NU 340, Community-Based Care	3		
	<hr/> 3		

SENIOR YEAR

Fall		Spring	
NU 404, Childbearing Families	5	NU 424, Adult Health in Secondary,	
NU 405, Comm./Mental Health	5	Tertiary, and Community Settings .	5
NU 400, Research/Outcomes Mgt. ...	3	NU 426, Comm Hlth Across the	
NU Elective.	3	Lifespan	5
	<hr/> 16	NU 428, Practicum	2
		NU 422, Nsg Leadership and Hlth	
		Policy	3
			<hr/> 15

TOTAL – 129 Semester Hours

*See Core Curriculum

EDUCATIONAL MOBILITY PROGRAM

The College of Nursing and Health Sciences offers an accelerated program for students currently licensed as a Registered Nurse through the STEP (Strategic Teaching for Enhanced Professional Preparation) Program. Courses are made available through the use of video tapes and other related media, and clinical preceptorships. Students currently licensed as Licensed Practical Nurses should seek individual advisement to determine a specific educational plan.

UNIVERSITY COURSE REQUIREMENTS

The general studies courses for educational mobility students are listed under Core Curriculum. Students should seek individual advisement to determine specific requirements.

RN PLAN

The nursing course(s) for which advanced placement credit may be given are as follows: NU 311 Foundations of Nursing Practice, NU 306 Pharmacology, NU 307 Psychosocial Concepts in Nursing, and NU 322, Health Deviations. Nursing courses for which advanced placement credit may be received based on the Educational Mobility Profile II examination are as follows: NU 325 Adult Health in Secondary and Community Settings, NU 324 Child and Family Health, NU 404 Childbearing Families, NU 405 Community/Mental Health, and 428 Practicum.

The required nursing courses for all Registered Nurses are as follows:

Semester I		Semester II	
NU 312, Intro to Prof Role	10	NU 426, Comm Hlth Across the	
NU Elective.....	3	Lifespan	5
	13	NU 448, Directed Study	3
		NU 422, Nsg Leadership and Hlth	
		Policy	3
			11
Semester III			
NU 424, Adult Health in Secondary,			
Tertiary, and Community			
Settings	5		
NU 400, Research/Outcomes Mgt ...	3		
	8		



DEPARTMENT OF MILITARY SCIENCE (MSC)

MAIN FLOOR - ROWE HALL

Professor of Military Science: Merriss

Assistant Professors: Biedekarken, Thompson, White, Willis

Instructors: Bartlette, Jones, Mims

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 to full time students on an optional basis. Satisfactory completion of the program may lead to a minor in Military Science, and a commission as an officer in the United States Army. The program provides students an opportunity to practice leadership skills necessary 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.

ENROLLMENT

There are two program options: A four year program and a two year program. The four year program is divided into two phases, the Basic Course and the Advanced Course.

FOUR YEAR: The Basic Course is taken during the freshman and sophomore years. 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 Jacksonville State University Students.

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 and enter into a contract with the United States Army. High School JROTC may count towards partial credit in the Basic Course. The contractual obligation varies with the amount of participation, and whether the student is a scholarship beneficiary. Advanced course students take classes in leadership and participate in leadership laboratories to prepare for a six week Advanced Camp during the summer between junior and senior years.

The Advanced Course may ultimately lead to a commission as a Second Lieutenant in the US Army, Army Reserve, or Army National Guard. The advanced course applies advanced theories of leadership in real world situations. Enrollment in the Advanced Course requires the approval of the Professor of Military Science.

TWO YEAR: 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 a two-year postgraduate course of study. Students can qualify for the Advanced Course two ways. Prior enlisted personnel receive Basic Course credit for successful completion of Basic training. For everyone else formal training starts with attendance at a five week paid Basic Camp. Successful completion of Basic Camp is a prerequisite for enrolling in the Army ROTC Advanced Course.

Students must meet the following requirements to be eligible for attendance at Basic Camp: Overall GPA of 2.0 or higher on a 4 point scale, must have junior standing and must have at least 2 years of college remaining to complete a baccalaureate or masters degree and meet established Army medical and physical standards. Approval for attendance is required from the Professor of Military Science.

BASIC COURSE REQUIREMENTS

The Basic Course consists of MSC 101, 101L, 102, 102L, 201, 201L, 202, 202L. These courses are mandatory for entry into the Advanced Course of instruction. The Professor of Military Science has approval for all basic course 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, who meet established Army medical and physical 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, 301L, 302, 302L, 303, 305, 401, 401L, 402, and 402L. 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 Army ROTC Advanced Camp. This camp is approximately five weeks in duration.

Students receive academic credit for completion (MSC 305 or NU 444 for nursing students). No student can be awarded an Army commission until a baccalaureate degree has been conferred.

ADDITIONAL REQUIREMENTS

All Scholarship recipients, and contracted advanced course students are required to maintain eligibility requirements. These requirements include an appropriate Grade Point Average, Medical Qualification requirements, Physical Aptitude requirements, and moral aptitude requirements. Additionally, scholarship, and contracted students must participate in physical conditioning, and a field training exercise per semester.

COMMISSIONING

Eligible students may be commissioned once they have met all pre-commissioning requirements and have matriculated from Jacksonville State University. 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 will be based upon the needs of the Army and the students 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. Students compete at the national level for each type of scholarship. Four year scholarship deadlines are normally in November of the students senior year in high school. Other scholarship deadlines vary from year to year.

Scholarships help defray the cost of attending Jacksonville State University. Currently, scholarships cover the cost of Tuition, Fees, Books and provide a monthly living expense. Additionally, JSU provides selected students Dorm fees.

High School students interested in scholarships can call 1-800-USA-ROTC for more information. Current students interested in two or three year scholarships should contact the Department of Military Science at 256-782-5601 for specific details.

DESCRIPTION OF COURSES

101, 102. Challenges in Leadership (1) (1). Prerequisite to all other military science courses unless approved by PMS. Introduction to leadership in today's Army focusing on the U. S. and the Army's continually changing role in the world. The course also discusses what it takes to be a successful leader. This is accomplished through lecture, field trips, guest speakers and movies. Lab required 101L, 102L.

- 101L, 102L. Challenges in Leadership Lab (2) (2).** Required to be taken 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 will be on developing leadership skills, physical fitness, and military knowledge.
- 112. Basic Marksmanship (2).** Fundamentals, principles, and techniques of rifle marksmanship including equipment, maintenance, shooting position, safety, and range operation.
- 113.* Survival (3).** Examines options available in extreme outdoor environments for survival. Students appraise and prioritize their physical and emotional needs incorporating Maslow's hierarchy. Demonstration of outdoor skills including rappelling, orienteering, and employment of game trapping methods. Medical clearance is required.
- 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.
- 116.* Unarmed Self Defense (2).** Instruction in the basic unarmed self defense techniques to permit effective defense against unarmed, knife, and handgun attack through actual practice. Medical clearance is required.
- 151.* Rangers (1).** Course requires students to apply leadership skills under stressful situations. Examines problem-solving skills, and resourcefulness through application of theory to stressful leadership situations. Students are expected to pass stringent physical aptitude tests, and will participate in a 48 hour field exercise during the semester. Medical clearance is required. May be duplicated for credit for a total of eight (8) semester hours.
- 201. Leadership Development (1).** Determine what leadership qualities are required to be successful. Develop your own working leadership philosophy and style. Prepare students for future leadership roles. 201L required.
- 202. Basic Military Skills (1).** Emphasis is on developing basic military skills, oral communication, map reading, orienting, and small unit tactics. Prepare students for advanced military science course. 202L required.
- 201L, 202L. Basic Military Skills Lab (2) (2).** Required to be taken in conjunction with 201 and 202. Students will demonstrate knowledge of subjects taught in lecture and in lab through hands on training. Emphasis will be on developing skills, physical fitness, and military knowledge.
- 300. Basic Camp Prep Course (1).** Prepares students for attendance at Army ROTC Basic Camp. Emphasis on physical training, leadership and preparation for Camp.
- 301. Advanced Military Science (3).** Teaches a basic introduction to leadership skills and how to motivate self and others. Students infer leader dimensions from specified actions. They learn and apply navigation and map reading skills and basic orienteering. Cadets must participate in a three day field training exercise in the semester. MSC 301L required.
- 301L. Adv Mil Sci Leadership Lab(2).** Students must apply theory taught in 301; consists of leadership activities, like planning and delivering oral presentations and physical training. Students plan activities which reinforce evaluation of others and improve their own deduction of leadership techniques. Participate in physical training 3 times per week and one field training exercise.
- 302. Advanced Military Science (3).** Reinforces dimensions of leadership taught in MSC 301. Students distinguish fine points of providing example to others. Classroom instruction includes advanced map reading, military history, and small unit tactics. Different job functions and specialties within the army are presented in "Branches of the Army." Cadets must participate in a three day field training exercise in the semester. MSC 302L required.

- 302L. Adv Mil Sci Leadership Lab (2).** Students must apply theory taught in MSC 302; consists of leadership activities, like planning and delivering oral presentations and directing physical training. Students plan activities which reinforce evaluation of others and improve their own deduction of leadership techniques. Participate in physical training 3 times per week and one field training exercise.
- 303. Advanced Military Science (3).** May term class incorporates all MSC 301, 302 skills. Students refine personal skill levels of orienteering, rifle marksmanship, communications and physical training. Evaluation of peers required to determine personal effectiveness. Students required to participate in a major field training exercise during the semester. Must be taken by itself; cannot be taken in conjunction with any other JSU course offered in May term.
- HY 304. American Military History (3).** Required for commissioning; see HY 304 for a course description.
- 305. Advanced Military Science (3).** Students fly to Fort Lewis, Washington to attend a national Army-level skills evaluation called "Advanced Camp." Students compose written and oral operations orders which formulate directives to others in a small tactical unit setting. No fee. *Prerequisites:* MSC 301, 302, 303 and/or the permission of the Professor of Military Science.
- 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 401L Required. Approval of the Professor of Military Science is required.
- 401L. 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 in a "real world" situation. Approval of the Professor of Military Science is required.
- 402. Advanced Theories in Leadership (3).** An examination of advanced leadership theory. In depth analysis of the role of Law in the conduct of Army operations, personnel management theory, logistics management's, and applied doctrine. MSC 402L Required. Approval of the Professor of Military Science is required.
- 402L. 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 in a "real world" situation. 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 will be required to write a term-paper and 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.

*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, upon completion of the course if such occurs other than at the end of the semester or academic year as applicable. 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, 301L, 302, 302L, 401, 401L, 402, 402L	20 hours
HY 304	3 hours
MGT 305, MSC 303, MSC 305, EH 322, EH 344	
(Any combination of 6 hrs.)	6 hours
Total Hours Required	29 hours

COOPERATIVE EDUCATION PROGRAM

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 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 009. Alternating Co-Op Education (0 hrs.) Cooperative Education experience involving full-time employment for the semester in an approved Co-Op position. The semester of full-time work (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 009. 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.



ADMINISTRATION OFFICIALS

WILLIAM A. MEEHAN, B.S., M.S.	President
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TO BE NAMED	Vice President for Institutional Advancement

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WILLIAM A. MEDLEY, B.S., M.Ed., Ed.D.	Associate Dean Emeritus
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CARL H. C. ANDERSON, B.M., M.M.	Music
RALPH N. BRANNEN, B.S., M.A., Ph.D.	History
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QUIDA S. F. DEMPSEY	Music
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SYLVIA S. MALONE, B.A., M.A.	English
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GWENETH G. MULDER, B.S., M.S.	Sociology
LLOYD MULRAINE, B.A., M.A., D.A.	English
THOMAS G. NICHOLSON, B.S., M.S., Ph.D.	Criminal Justice
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JACKSON W. SELMAN, B.S., M.A., L.L.B., Ph.D.	Political Science
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JOHN T. VAN CLEAVE, B.S., M.S., Ph.D.	Mathematics
CHARLES J. WALKER, B.A., M.Ed., J.D., Ph.D.	Education
DAVID L. WALTERS, B.S., M.M., LL.D.	Music
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VIRGINIA YOCUM, B.S., M.A., Ed.D.	Family and Consumer Science

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SHARON TAYLOR	Secretary

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DEBRA BISHOP	Acting Associate Director, Athletics
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GREG SEITZ	Assistant Director, Sports Information
MICHELLE MILLER	Assistant Director, Sports Information for Women
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R. ERIC JOHNSON	Associate Athletic Trainer
RUDY ABBOTT	Head Baseball Coach
SKIPPER JONES	Assistant Baseball Coach
MARK TURGEON	Head Men's Basketball Coach
THOMAS BOYLE	Assistant Men's Basketball Coach
BRANDON JOHNSON	Assistant Men's Basketball Coach
DANA B. AUSTIN	Head Women's Basketball Coach
TRACY LINTON	Assistant Women's Basketball Coach
MORRIS RICHARD BELL	Head Cross-Country Coach
TO BE NAMED	Assistant Cross-Country Coach
MIKE WILLIAMS	Head Football Coach
MIKIE BUGAR	Assistant Football Coach
GREG CHATHAM	(RE)Assistant Football Coach
DARRYL HOLMES	Assistant Football Coach
JOSHUA NIBLETT	Strength and Conditioning Coach
JEFF RICHARDS	Assistant Football Coach
EDWARD STEPHENSON	Assistant Football Coach
FREDERICK TATE	(RE)Assistant Football Coach
JAY THOMAS	Assistant Football Coach
JAMES HOBBS	Head Golf Coach
CHRIS BANISTER	Assistant Golf Coach

GERALD DeBOY, JR.	Rifle Coach
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JANA B. MCGINNIS	Head Women's Softball Coach
MIKE WISENER	Assistant Women's Softball Coach
STEVE BAILEY	Head Tennis Coach
STEPHEN BRAGG	Assistant Tennis Coach
JOSE RIVERA	Head Women's Volleyball Coach
LORI REMBE	Assistant Women's Volleyball Coach

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PATRICIA BOOZER	Clerical Assistant
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JEAN JENKINS	Senior Operations Supervisor
KRISTIN JOHNSON	Programmer/Analyst
JIMMY SURRETT	Data Communication Network Specialist
GREG NABORS	Programmer/Analyst
LINDA PINSON	Programmer/Analyst
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TIMOTHY SMITH	Systems Programmer
CHRISTY STEPHENSON	Programmer/Analyst
JACKIE THOMPSON	Computer Operator
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SABRINA USREY	Computer Operator
ALAN WALLACE	Technology Analyst
MANUEL A. WOODRUFF	Micro Computer Consultant/Programmer
SEAN PONDER	Manager, Academic Computer Services
THOMAS ALLRED	Academic Computing Consultant/Programmer
STACY BONDS	Clerical Assistant
DAPHANE UESRY	Academic Computing Consultant/Programmer
DONALD WALTER	Senior Communication Analyst
TO BE NAMED	Manager, University Telecommunications
TO BE NAMED	Switchboard Operator
PATRICIA L. OWENS	Telephone Center Coordinator
TO BE NAMED	Switchboard Operator
KEITH RILEY	Communications Equipment Technician

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CYNTHIA CAMP	Disability Specialist
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ANN POE	Assistant Director, Learning Services

ORIENTATION/ADVISING SERVICES

ERIC McCULLEY	Coordinator, Orientation and Advisement
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MARK CAMP	Instructional Media Technologist

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SANDRA FORD	Clerical Assistant
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SUSAN JONES	Clerical Assistant
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PAMELA McCRELLES	Clerical Assistant
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KELLY ROBERTS	Admissions Counselor
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WILLIAM BATCHELOR	Circulation Assistant
JOHN BAUER-GRAHAM	Library Technical Assistant
ROBERT CAMPBELL	Audio Visual Technician
JAN EVANS	Circulation Assistant
SUSAN JONES	Library Technical Assistant
PAM KEY	Circulation Supervisor
JANDA LEDBETTER	Library Technical Assistant
LINDA MCCRELLES	Library Technical Assistant
HARVEY RANDALL PIERCE	Circulation Assistant
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ANN SMAIL	Library Technical Assistant
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NICOLE STACY	Circulation Assistant
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ERIC BRASHER	Assistant Director, Recreational Sports
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LINDA BRIGHT	Military Personnel Clerk
ELLEN HARTSAW	Military Personnel Clerk
SGT MARCUS BARTLETTE	Military Science Staff
MSG DAVID W. JONES	Military Science Staff
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DEBBIE TAYLOR	Secretary
DON KILLINGSWORTH	President, SGA

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NORMA PENNY	Secretary to the Director
DOROTHY PARTON	Registered Nurse

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VIVIAN GARNER	Secretary to the Director
TO BE NAMED	AREA Coordinator

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TERRANCE SCHNEIDER	Assistant Director, Public Safety
SHELIA NEWELL	Secretary to the Director
KAREN BATES	Secretary
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SHAWN GIDDY	Police Sergeant
GREGORY GLAZE	Police Sergeant
SAMUEL FIOL	Safety/Security Supervisor

RICKEY GAITHER	Police Officer
TERRY McCORD	Police Officer
MITCHELL MEADOWS	Police Officer
REGINA L. OGLETREE	Police Officer
MICHELE PAGE	Safety/Security Officer
AVERY SMITH	Police Officer
MATTHEW WEATHERS	Police Officer
LONNIE WELCH, III	Police Officer

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ALICE WUDARCZYK	Payroll Clerk

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NOAH RUCKER	Food Service Manager (Marriott)

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SUSAN ADDERHOLD	Secretary
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CYNTHIA PAGE	Mail Clerk/Courier
ROBIN SMYRE	Manager, Mail Center
ROBERT WRIGHT	Mail Clerk/Courier
BYRON HANCOCK	Mail Clerk/Courier

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GEORGE LORD	Assistant Director, Physical Plant
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AUBREY CROSS	Supervisor, Maintenance
TO BE NAMED	Supervisor, Air Conditioning and Heating
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SHEILA KIKER	Clerical Assistant
MILLER PARNELL	Building Inspector

DENNIS CHRISTOPHER *Supervisor, Building Services*
 HELEN MARIE HILTON *Housekeeper Supervisor*

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 LINDA STEDHAM *Secretary to the Director*
 DON RICHARDSON *Acting Manager, Inventory*

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 PAM STINSON *Executive Secretary*
 CAROL WINSOR *Word Processor*

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 NANCY TURNER *Secretary to the Director*
 KACI BEATTY *Alumni Field Representative/Admissions Counselor*

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 ANITA KRUTULIS *Secretary to the Director*
 JOY BRINDLE *Bookkeeper*

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JERRY HARRIS *Director, Information Services*
 DIXIE DEERING *Secretary to the Director*
 MARY B. SMITH *Coordinator, Publications*
 TO BE NAMED *University Photographer*

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CHARLES TORRUELLA *Director, Printing*
 JOHN McCLURKIN *Offset Press Operator*
 KEITH SHEARS *Offset Press Operator*



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- DAVID WATTS (1993) B.A., University of Texas at Austin; M.A. and Ph.D., State University of New York at Buffalo
*Professor of Sociology and
Vice President for Academic and Student Affairs*
- ABERCROMBIE, JERALD D. (1970) B.S., Jacksonville State College; M.S. and Ph.D., University of Alabama
Professor of Mathematics
- ADAMS, KENNETH (1977) A.B., Harvard University; Ph.D., Brandeis University
Professor of Sociology
- AGUILAR, MARIO (1999) B.S., Jacksonville State University; M.A. and Ph.D., Boston University
Associate Professor of Computer Science
- AL-HAMDANI, SAFAA H. (1992) B.S., Baghdad University; M.S., Tuskegee Institute; Ph.D., Oklahoma State University
Associate Professor of Biology
- ALLEN, JAMES B., JR. (1981) B.S. and M.S., University of Alabama; M.Ed., University of Alabama at Birmingham; Ph.D., University of Alabama
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- ARMSTRONG, RICHARD (1977) B.A., University of Alabama; M.M., Catholic University of America; Ph.D., University of Southern Mississippi
Professor of Music
- ARMSTRONG, STEPHEN W. (1982) B.A., Central Florida University; M.Ed. and Ph.D., University of Florida
Professor of Special Education
- AVENI, ADRIAN F. (1978) A.B., University of Michigan; M.S. and Ph.D., Purdue University
Professor of Sociology
- BALDWIN, MARY M. (1997) B.A., Eastern College; M.A., University of Alabama at Birmingham; Ed.D., University of Alabama
Assistant Professor of Education
- BARCLIFT, DEE (1998) B.S., Jacksonville State University; M.S.W., University of Georgia
Instructor of Social Work
- BARKER, THOMAS (1977) B.A., Samford University; M.A. and Ph.D., Mississippi State University
Professor of Criminal Justice
- BARRETT, GREGORY (1996) M.A., Northwestern University; M.F., State University of New York at Buffalo; D.M., Indiana University
Assistant Professor of Music
- BAUCOM, THOMAS F. (1978) B.A., University of North Carolina; M.A., University of South Carolina; Ph.D., University of Georgia
Professor of Geography
- BELLMAN, EDWIN R. (1998) B.S. and M.S., East Texas State University
Instructor of Technology
- BENNETT, DORIS (1986) B.A., Randolph-Macon Womens College; M.A. and Ph.D., University of Alabama
Associate Professor of Economics
- BENSON, ROBERT W. (1983) B.A., University of Maryland and M.S.Ed., University of Southern California
Instructor of Criminal Justice

- BENTON, COLE (1977) B.S., Troy State University; M.S. and Ph.D., University of Alabama
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- BERRY, WILBUR G. (1981) B.S. and M.A., University of Alabama
Assistant Professor of Accounting
- BEVIS, MARY D. (1983) B.S. and M.S., Jacksonville State University; Ed.S., University of Alabama
Associate Professor and Assistant Librarian
- BIEDEKARKEN, DIETER J. (1997) M.A., Technical University of Berlin; M.A., San Francisco State University
Assistant Professor of Military Science
- BITGOOD, STEPHEN C. (1974) B.S., University of Massachusetts; M.A. and Ph.D., University of Iowa
Professor of Psychology
- BLANTON, RAYMOND E. (1971) B.A., M.A. and Ph.D., University of South Carolina
Professor of English
- BODIFORD, KENNETH G. (1994) B.S.Ed., Jacksonville State University; M.M., East Carolina University
Assistant Professor of Music and Director of Bands
- BOGAN, MARGARET B. (1992) B.S., University of Miami; M.Ed. and Ph.D., University of South Florida
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- BORSTORFF, PATRICIA C. (1989) B.A., Samford University; M.A., University of Alabama; M.B.A. Jacksonville State University; Ph.D., Auburn University
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- BOUGERE, MARILYN (1994) B.S., Jacksonville State University; M.S.N., University of Alabama at Birmingham
Instructor of Nursing
- BOWEN, WILLIAM R. (1990) A.B., Grinnell College; M.S. and Ph.D., State University of Iowa
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- BOYDSTON, RITA C. (1997) B.S.Ed., and M.S.Ed., Jacksonville State University; Ph.D., University of Alabama at Birmingham
Assistant Professor of Education
- BROWN, JOHNNY M. (1987) B.A., University of North Alabama; M.Ed., Auburn University
Instructor, Center for Individualized Instruction
- BROWN, SAMUEL B. (1983) B.M., Baylor University; M.M., West Texas State University; D.M.A., University of Colorado
Professor of Music
- CADWALLADER, DIANA (1994) B.F.A., Arizona State University; M.F.A., Yale University
Assistant Professor of Art
- CAIN, LINDA LOUISE (1975) B.A., Jacksonville State University; M.L.S., University of Texas at Austin
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- CAMP, GAIL H. (1976) B.S.N., Jacksonville State University; M.S.N., University of Alabama at Birmingham; Ed.D., University of Alabama
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KEY TO DEPARTMENT/COURSE ABBREVIATIONS

ACC	ACCOUNTING
AN	ANTHROPOLOGY
ART	ART
BY	BIOLOGY
CIS	COMPUTER INFORMATION SYSTEMS
CJ	CRIMINAL JUSTICE
CS	COMPUTER SCIENCE
COM	COMMUNICATION
COR	CORRECTIONS
CY	CHEMISTRY
DR	DRAMA
EC	ECONOMICS
ECE	EARLY CHILDHOOD EDUCATION
EED	ELEMENTARY EDUCATION
ED	SECONDARY EDUCATION
EG	ENGINEERING
EH	ENGLISH
EPY	EDUCATIONAL PSYCHOLOGY
FCS	FAMILY AND CONSUMER SCIENCE
FH	FRENCH
FI	FORENSIC INVESTIGATIONS
FIN	FINANCE
FL	FOREIGN LANGUAGE
GL	GEOLOGY
GN	GERMAN
GS	GENERAL SCIENCE
GY	GEOGRAPHY
HED	HOME ECONOMICS EDUCATION
HLT	HEALTH
HY	HISTORY
IM	INSTRUCTIONAL MEDIA
IS	INTERDISCIPLINARY SCIENCE
JN	JOURNALISM
LE	LAW ENFORCEMENT
LS	CENTER FOR INDIVIDUALIZED INSTRUCTION
MBY	MARINE BIOLOGY
MED	MUSIC EDUCATION
MGT	MANAGEMENT
MKT	MARKETING
MS	MATHEMATICS
MSC	MILITARY SCIENCE
MU	MUSIC
NU	NURSING
PE	PHYSICAL EDUCATION
PHS	PHYSICS
PSC	POLITICAL SCIENCE
PSY	PSYCHOLOGY
REC	RECREATION
SA	SECURITY ADMINISTRATION
SH	SPANISH
SPE	SPECIAL EDUCATION
ST	BUSINESS STATISTICS
SW	SOCIAL WORK
SY	SOCIOLOGY
TEC	TECHNOLOGY

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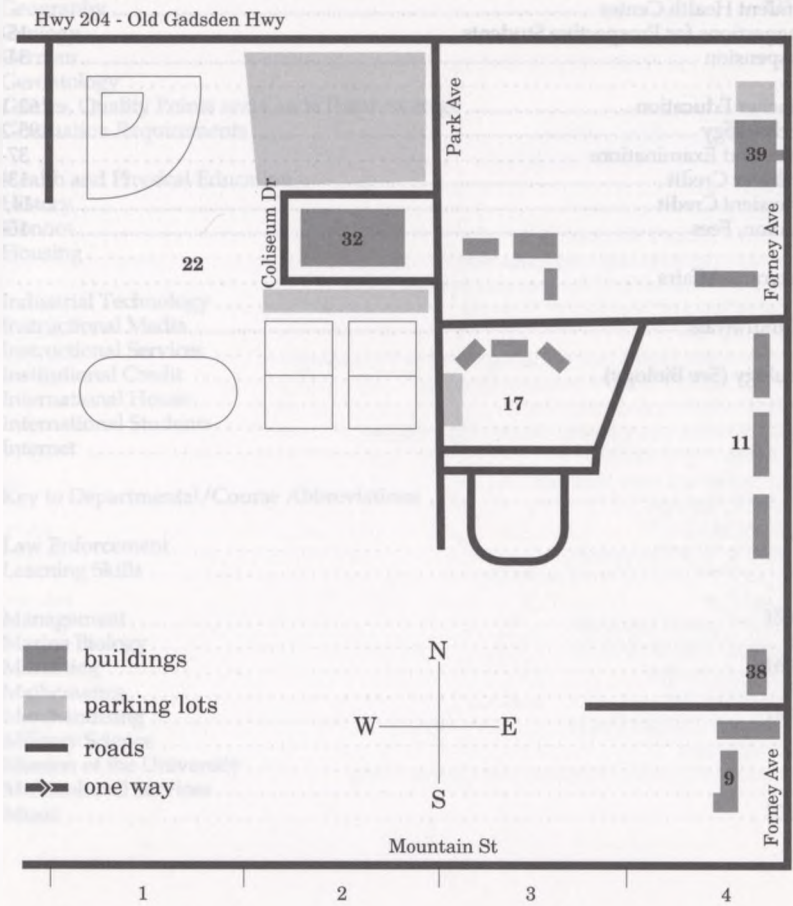
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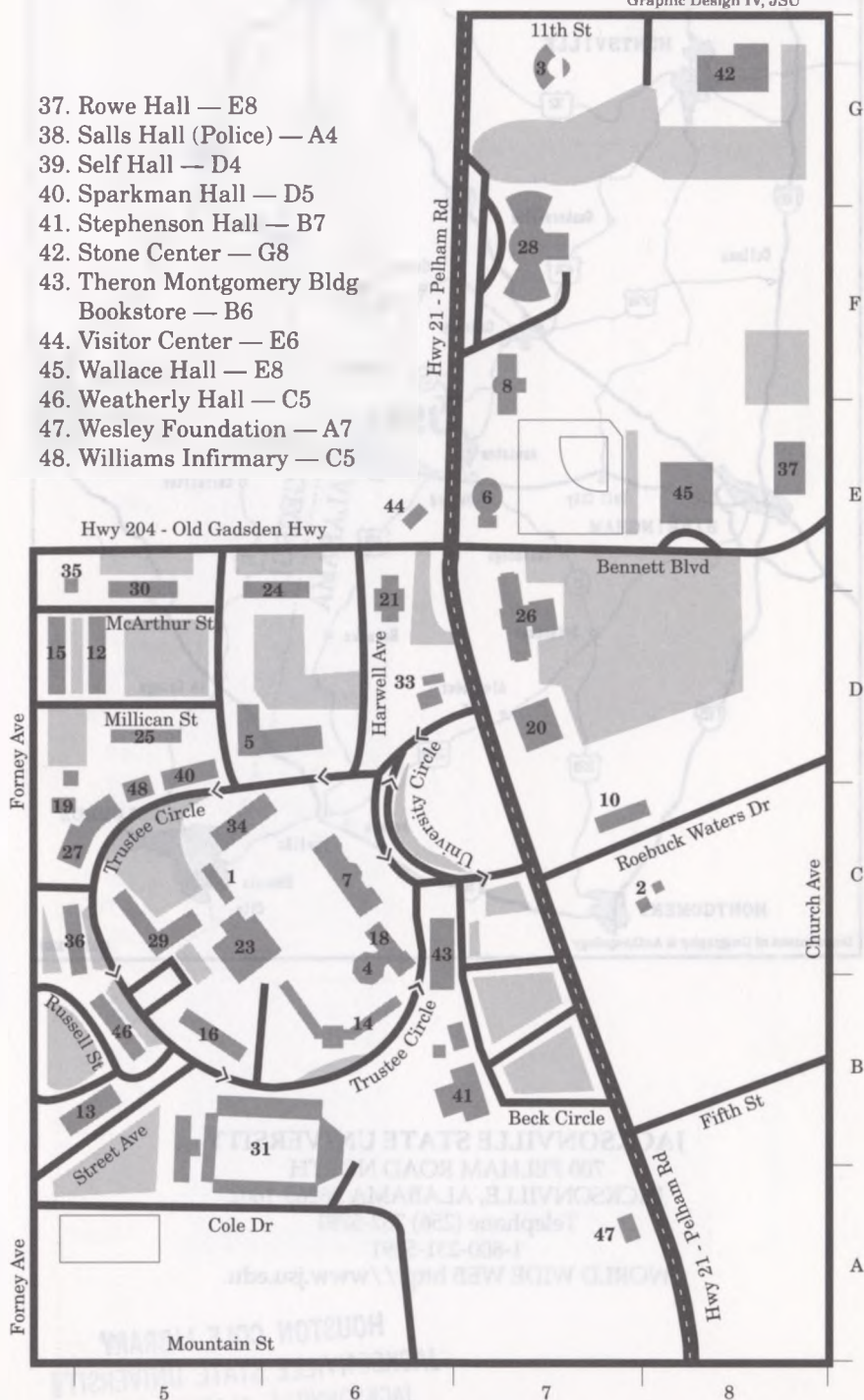
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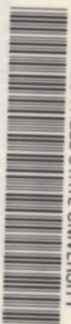
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