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Jacksonville State University

1993-94 Catalogue

JACKSONVILLE STATE UNIVERSITY

700 Pelham Road North
Jacksonville, AL 36265-9982
Telephone: (205) 782-5781

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 1993-94

One Hundred and Eleventh Year

Issued by Jacksonville State University, Jacksonville, Alabama 36265.
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VOLUME LXXXIV

JUNE 1993

NUMBER 1

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JACKSONVILLE STATE UNIVERSITY
JACKSONVILLE, ALABAMA 36265

UNIVERSITY CALENDAR

1993-94

FALL SEMESTER 1993

AUG 27	Fri	Residence halls open for occupancy 10:00 a.m.
AUG 30	Mon	Registration and orientation for first time freshman and transfer students. Returning students 64 or more semester hours.
AUG 31	Tues	Registration for new students and returning students not pre-registered.
SEPT 1	Wed	Classes commence 7:30 a.m. Late registration fee charged.
SEPT 6	Mon	Labor Day Holiday
SEPT 8	Wed	Last day for registration and addition of courses to schedule.
SEPT 15	Wed	Last day to withdraw and receive 80% tuition refund.
SEPT 23	Thu	Last day to drop courses without academic penalty.
SEPT 29	Wed	Last day to withdraw and receive 50% tuition refund.
OCT 22	Fri	Mid-term grades due.
NOV 11	Thurs	Veterans Day Holiday
NOV 17	Wed	Last day to withdraw or drop passing from a course.
NOV 24	Wed	Residence halls close at 6:00 p.m.
NOV 25-26	Thr-Fri	Thanksgiving Holiday
NOV 28	Sun	Residence Halls open at Noon.
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	Thu	Filing of all semester grades within twenty-four hours after the last scheduled examination in Office of Admissions and Records.
DEC 17	Fri	Commencement. Residence Halls close after Commencement.

AUGUST

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SPRING SEMESTER 1994

DEC 13, 1993	Mon	Total Balance due (100% of tuition, fees and housing must be paid in order to retain registration for those who pre-registered).
JAN 5	Wed	Residence Halls open for occupancy at Noon.

DECEMBER

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SPRING SEMESTER 1994 (Continued)

JAN 6	Thu	Registration and orientation for first time freshman and transfer students.
JAN 7	Fri	Registration for new students and returning students not pre-registered.
JAN 10	Mon	Classes commence 7:30 a.m. Late registration fee charged.
JAN 14	Fri	Last day for registration and addition of courses to schedule.
JAN 17	Mon	Dr. Martin Luther King, Jr. Day — Classes will not meet.
JAN 21	Fri	Last day to withdraw and receive 80% tuition refund.
FEB 2	Wed	Last day to drop courses without academic penalty.
FEB 4	Fri	Last day to withdraw and receive 50% tuition refund.
MAR 3	Thu	Mid-term grades due.
MAR 25	Fri	Residence Halls close at 6:00 p.m.
MAR 28		
APR 1	Mon-Fri	Spring Holidays
APR 3	Sun	Residence Halls open at Noon.
APR 4	Mon	Classes resume at 7:30 a.m.
APR 5	Tues	Last day to withdraw or drop passing.
APR 20-26	Wed-Tues	Semester Examinations
APR 27	Wed	Filing of semester grades for graduating students by 1:15 p.m. in Office of Admissions and Records.
APR 28	Thur	Filing of semester grades within twenty-four hours after the last scheduled examination in Office of Admissions and Records.
APR 30	Sat	Commencement 10:00 a.m. Residence Halls close after Commencement.

MAY TERM

MAY 1	Sun	Residence halls open for occupancy at Noon.
MAY 2	Mon	Registration for those students not pre-registered.
MAY 3	Tues	Classes commence at 7:30 a.m. Late registration fee charged.
MAY 4	Wed	Last day for registration and addition of courses to schedule.
MAY 9	Mon	Last day to withdraw and receive 80% tuition refund.

JANUARY

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MAY

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MAY TERM 1994 (Continued)

MAY 10	Tues	Last day to drop courses without academic penalty.
MAY 17	Tues	Last day to withdraw and receive 50% tuition refund.
MAY 25	Wed	Last day to withdraw or drop passing.
MAY 31	Tues	Final Examinations
JUN 1	Wed	Residence Halls close at Noon

MAY

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SUMMER SEMESTER I 1994

JUN 7	Tues	Residence Halls open for occupancy at 10:00 a.m.
JUN 8	Wed	Orientation for first time freshman and transfer students. Registration for transfer students and returning students not pre-registered.
JUN 9	Thu	Classes commence at 7:30 a.m. Late registration fee charged.
JUN 10	Fri	Last day for registration and addition of courses to schedule.
JUN 15	Wed	Last day to withdraw and receive 80% tuition refund.
JUN 16	Thu	Last day to drop courses without academic penalty.
JUN 23	Thurs	Last day to withdraw and receive 50% tuition refund.
JUL 1	Fri	Last day to withdraw or drop passing.
JUL 4	Mon	Independence Day Holiday
JUL 8	Fri	Final Examinations

JUNE

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SUMMER SEMESTER II 1994

JUL 11	Mon	Registration for those students not pre-registered.
JUL 12	Tues	Classes commence at 7:30 a.m. Late registration fee charged.
JUL 13	Wed	Last day for registration and addition of courses to schedule.
JUL 18	Mon	Last day to withdraw and receive 80% tuition refund.
JUL 19	Tues	Last day to drop courses without academic penalty.
JUL 26	Tues	Last day to withdraw and receive 50% tuition refund.
AUG 2	Tues	Last day to withdraw or drop passing.
AUG 9	Tues	Final Examinations
AUG 12	Fri	Commencement. 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. 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.

BOARD OF TRUSTEES

THE HONORABLE JIM FOLSOM
Governor of Alabama, President

<i>Name</i>	<i>Address</i>	<i>Congressional District*</i>	<i>Term Expires</i>
DWAIN G. LUCE	Mobile	First	1999
TRYONE C. MEANS	Montgomery	Second	1999
PAUL CARPENTER	Ashford	Third	1995
BOBBY N. KENNAMER	Anniston	Fourth	2003
CHARLES T. MATHEWS	Jacksonville	Fourth	2003
GLADYS CARLISLE	Tuscaloosa	Fifth	1995
JIM BENNETT	Homewood	Sixth	1995
JIM FOLSOM	Cullman	Seventh	1999
JAMES D. THORNTON	Huntsville	Eighth	2003
WAYNE TEAGUE, State Superintendent of Education			

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 ten presidents: James G. Ryals, Jr. (1883-85), J. Harris Chappell (1885-86), Carlton Bartlett Gibson (1886-92), 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), and Harold J. McGee (1986-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, Fort McClellan, 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.

*As constituted in 1966

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 Program-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

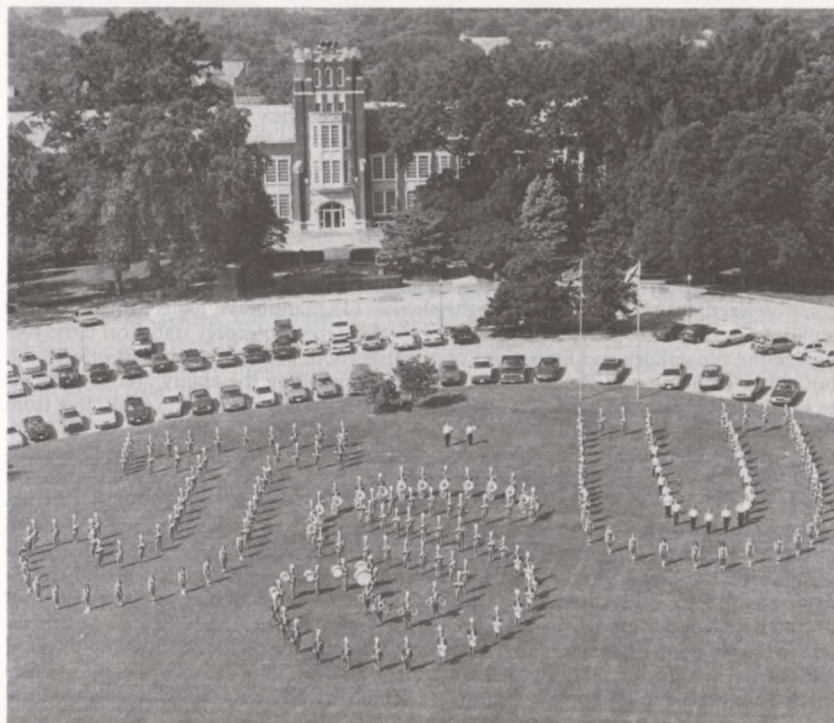
The University serves the citizens of the state and region by extending its knowledge, skills, resources and values to the community. Supported public service endeavors are those which complement the University's academic programs and which do the following:

(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.M.E., B.Mu., B.S.W. 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.M.E., M.B.A., M.P.A., 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.

Counselors in the University Career Development and Counseling Center are always available to help students with their problems — personal and vocational.



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) 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 petition for admission 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, Jacksonville, Alabama, 36265.

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).

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

- A. A high school transcript showing the date of graduation and 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 but meet certain qualifications set forth by the Admissions Committee may enter the freshman class if they can pass 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 Career Development and Counseling, 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/advisor 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.	Must successfully remediate academic skill deficiencies within one year.
Conditional Admission	Moderate academic skill deficiencies.	Must be continuously enrolled in prescribed developmental skills courses; participate in prescribed counseling and advisement activities; and remediate all academic skill deficiencies within one year.
ExSEL	Severe academic skill deficiencies.	Only admitted to summer developmental studies program (ExSEL). Upon successful completion, the student may be enrolled as Conditionally Admitted.

H. 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 and a grade of "C" or better has been earned. 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.

Grades of "D" and "F" are not acceptable for credit, but may be used for GPA calculations for admission and retention to certain programs.

Students may transfer from a junior college at any time. It is recommended however, that they not earn credit beyond 64 semester hours (96 quarter hours). Although an unlimited number of hours are acceptable from a junior college, the student must earn a minimum of 64 semester hours from a four year college or university.

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.

III. Foreign Student Admissions

In addition to the above admission requirements, foreign students, both undergraduate and graduate, are required to provide documentary evidence showing adequate financial resources are available to attend the university. Financial Aid is not available to international students.

University policy dictates that foreign students have official transcripts from all other colleges/universities attended and TOEFL scores (500 minimum) on file in the Office of Admissions and Records before application material may be submitted. Transfer students from recognized colleges/universities within the United States may have the TOEFL requirements waived. However, before that determination can be made, it will be necessary that official transcripts from each college/university attended be on file in the Office of Admissions showing satisfactory completion of the Freshman English composition sequence. TOEFL scores, when used as a factor in admission, must be no older than two (2) years.

Foreign 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 for advanced standing.

All applicants will be notified concerning admission as soon as all of their records have been processed. A student who wishes to live in a JSU residence hall must note that a letter of acceptance to the University does not in itself entitle the applicant to a room. An applicant desiring a room in a residence hall must submit a room reservation request form along with a \$100.00 reservation fee to the Department of University Housing.

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.

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

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 and tenth grade work.
2. Applicants must have completed the tenth 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.

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. While enrolled in high school and college the student may take only 6 hours. 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.

ORIENTATION AND ADVISEMENT

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

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. Meal plans are available from Hopper Cafeteria, food service on campus.
4. It is the responsibility of all students both on campus and commuters to check their assigned mail boxes regularly for important mail. Each enrolled student is assigned a mail box in the Campus Mail Center. Fall and spring schedule packets, mid-term grades, reminder bills/statements, and various other items of on-campus correspondence are placed in the assigned mail box. Mail addressed to a student in care of Jacksonville State University should specifically indicate the campus post office 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 (205) 546-0481 or by writing to Jacksonville State University in Gadsden, George Wallace Drive, Gadsden, AL 35999.

JACKSONVILLE STATE UNIVERSITY, FORT McCLELLAN CENTER

The JSU Center at Ft. McClellan is designated by the U.S. Army as the primary four-year Service Members Opportunity College (SOC) on post. Classes are available for military personnel, military dependents, civil service employees, and civilians from surrounding communities. The Ft. McClellan program provides undergraduate and graduate courses on the same calendar as the main campus and the same academic policies and regulations apply. Questions concerning registration or course offerings should be directed to the JSU-Ft. McClellan Office in the Army Education Center, Building 328, Fort McClellan, 36205-5000, phone 820-9320 or the appropriate offices at Jacksonville State University.

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 who do not pre-register will receive a statement at the time of registration and must pay tuition, fees and residence hall charges at the Bursar's Office the same day of registration. For the Fall semester, only, students who pre-register during the regular pre-registration will be sent a statement of fees and are allowed to pay a minimum 25% of tuition, fees, and residence hall charges to confirm their registration. Balance is due approximately fifteen (15) days before classes begin. Students who register on or after August 18, 1993 will receive a statement at the time of registration and must pay tuition, fees and residence hall charges at the Bursar's Office the same day of registration. Accounts may be paid by mail or at the Bursar's Office. VISA or MasterCard credit cards are accepted and accounts may be paid in person or by telephone. Mail and telephone payments are encouraged. 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 \$10.00 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.

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 or more hours)	\$ 840.00**
Room and meals per semester (estimated)	<u>1,260.00</u>
ESTIMATED TOTAL	\$ 2,100.00

TUITION**Undergraduate Students:**

12 or more hours	\$ 840.00**
Less than 12 hours, per hour	70.00**

Out of State Fee:

12 or more hours (Add to resident charge)	\$ 420.00
Less than 12 hours, per hour (Add to resident charge)	35.00

Graduate Students:

10 or more hours	\$ 865.00**
Less than 10 hours, per hour	87.00**

Out of State Fee:

10 or more hours (Add to resident charge)	\$ 432.50
Less than 10 hours, per hour (Add to resident charge)	44.00

**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	\$ 515.00 (air conditioned)
Curtiss Hall	515.00 (air conditioned)
Dixon Hall	515.00 (air conditioned)
Fitzpatrick Hall	515.00 (air conditioned)
Logan Hall	635.00 (new, air conditioned, pvt. bath)
Luttrell Hall	460.00 (not air conditioned)
Pannell Hall	435.00 (not air conditioned)
Patterson Hall	635.00 (new, air conditioned, pvt. bath)
Rowan Hall	460.00 (air conditioned)
Sparkman Hall	525.00 (suite type, air conditioned)
Weatherly Hall	460.00 (air conditioned)

DINING SERVICE

The University dining service provides a variety of flexible meal plans to meet the needs of JSU students. There are multiple choices for entrees and vegetables with salad bar, sandwich area, and a dessert area. Also, meals may be purchased individually. These plans are available for both resident and commuter students.

All plans offer unlimited seconds. Meal plans are on sale throughout the school year. Please feel free to contact Dining Services if you have any questions. Installment plan

information is available by calling (205) 782-7242 or by writing JSU Dining Services, P.O. Box 3006, 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.	
Late Registration Fee	\$ 20.00 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	\$ 115.00 per child per full semester \$ 40.00 per child per short semester
Returned check fee	\$ 10.00 per check
Residence Hall Deposit	\$ 100.00 per student

SPECIAL LABORATORY FEES

ACC 496	\$ 10.00 per course
Art 429	\$ 12.00 per course
Art 309, 409, 410, 413	\$ 18.00 per course
Art 362	\$ 25.00 per course
Computer Science 100, 201, 220, 231, 232, 237, 240, 250, 254, 301, 302, 305, 312, 315, 330, 331, 334, 352, 358, 377, 402, 410, 411, 412, 415, 417, 432, 441, 442, 443, 444, 454, 488, 496, 497, 498	\$ 10.00 per course
Education 450	\$ 10.00 per course
Engineering 121, 255	\$ 10.00 per course
Family and Consumer Science 131, 330, 333, 334, 335, 341, 431, 433, 434	\$ 3.00 per course
232	\$ 6.00 per course
122, 221, 323, 325, 326, 423, 428	\$ 7.50 per course
Management 390, 469, 495	\$ 10.00 per course
Marketing 497	\$ 10.00 per course
Mathematics 204, 310	\$ 10.00 per course
Music 113, 114, 134, 135, 213, 214, 234, 235, 313, 314, 334, 335, 336, 337, 413, 414, 434, 435, 436, 437	\$ 25.00 per course
Music 160, 161, 170, 171, 260, 270, 271, 280, 281, 290, 291	\$ 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

Students who reside in Northwest Georgia counties which are contiguous to the Alabama state line are charged in-state tuition rates. The status of other students from out of state is determined on a semester-by-semester basis. If a student has attended Jacksonville State University prior to the beginning of the fall semester, 1981, he/she is considered a resident student. For other criteria, undergraduates should contact the Office of Admissions and Records; while 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.

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.

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 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/drop from classes occurs within one (1) week after the close of the registration period. Eighty percent (80%) of total tuition fee if withdrawal/drop 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/drop from classes occurs within three (3) weeks after the close of the registration period. Fifty percent (50%) of total tuition fee if withdrawal/drop 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/drop occurs thereafter.

Application processing fee of \$20.00 is not refundable. EXCEPTION: In accordance with Public Law 102-325, dated July 23, 1992, A first time student receiving Title IV Financial Aid who withdraws will receive a refund of a pro-rata amount of tuition and fees paid, less \$100.00, for up to 60% of the enrollment period. Recovery will be made to the appropriate fund/party.

II. CHANGE OF COURSE(S) (DROP/ADD):*

1. There will be a tuition adjustment for a change of course prior to the first day of classes.
2. If a student is taking 11 hours or less and adds enough hours to bring him/her to the 12 basic hour rate, he/she must pay the difference between what he/she originally paid and the \$840.00 basic charge for 12 or more hours. The difference should be paid on the date the course is added to retain the course.
3. If a graduate student adds enough hours to bring him/her to the 10 hour basic rate, he/she must pay the difference between what he/she originally paid and the \$865.00 basic charge for 10 or more hours. The difference should be paid on the date the course is added to retain the course.
4. Refund or drop will be processed after the last day for fee adjustment.

*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.



STUDENT FINANCIAL AID

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. Jacksonville State University prefers the Free Application for Federal Student Aid (FAFSA), which does not require a processing fee.

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, 1970 are required to file as dependent students.

Once the applicant completes the FAFSA, it is to be mailed to the processor. In approximately four to six weeks, the processor sends the applicant a Student Aid Report which should be forwarded to the Financial Aid Office. 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.

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.

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.

Alabama State Grant Program

Undergraduate students who are residents of Alabama who submit an FAFSA are automatically considered for a state grant, which is based primarily on income. These grants range from \$200 to \$2000 per academic year. April 1 is the priority deadline to apply.

Many other states also have similar grants for their residents, and students residing outside Alabama should contact their state grant agency for additional information.

Federal Pell Grant

The Federal Pell Grant is a federal entitlement program for undergraduate students who have not earned their first baccalaureate degree. Awards range from \$200 to \$2300 per academic year.

To apply, submit the FAFSA as soon as possible after January 1. Forward the reply (Student Aid Report) to the Financial Aid Office so that it can be determined how much, if any grant you can receive.

While the Pell Grant is an entitlement, and every eligible student will receive the grant, students are encouraged to apply as soon as possible after January 1, preferably by April 1.

Federal Supplemental Educational Opportunity Grant

Students who have the greatest demonstrated financial need and who receive the Federal Pell Grant are given first consideration for this grant. Restricted to students who have not earned their first baccalaureate degree, applicants should submit the FAFSA as soon as possible after January 1, preferably by April 1. Forward the reply (Student Aid Report) to the Financial Aid Office. The applicant must also submit an Application for Financial Aid to the Jacksonville State University Financial Aid Office as soon as possible after January 1 and preferably by April 1.

These grants range from \$200 to \$2000 per year.

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 Perkins Loan

The Federal Perkins Loan is provided jointly by Jacksonville State University and the Federal Government to students in financial need.

While the borrower is enrolled at least half-time, there is no interest or principal to pay. Nine months after the borrower leaves college or ceases to be enrolled at least half-time, repayment begins at 5% interest on the unpaid balance. Deferment of payment may be granted in some instances for persons in the armed forces, VISTA, the Peace Corps, graduate study, service in the commissioned corps of the U.S. Public Health Service, or medical internship. Cancellation of portions of the loan is possible if: the borrower teaches in certain schools listed in the Federal Register as having a high concentration of low income families; teaches the handicapped; is employed as a full-time law enforcement or corrections officer; or is employed as a nurse. Specific requirements for deferment and service cancellation is located in the promissory note used for this loan.

To apply, submit the FAFSA as soon as possible after January 1, preferably no later than April 1. Forward the Student Aid Report to the Financial Aid Office. The applicant must also submit an Application for Financial Aid to the Financial Aid Office, preferably by April 1.

Loans range from \$200 to \$5000 per academic year. Recipients of the loan are required to have an exit interview with the Loan Collection Office prior to graduating or leaving college.

Robert T. Stafford Federal Loans

The Reauthorization Act of 1992 substantially changes these loans, formerly called Guaranteed Student Loans. Students who demonstrate need are eligible for subsidized loans, and those who do not are eligible for non-subsidized loans. The Federal government pays the interest on subsidized loans while the borrower is enrolled at least half time or is in deferment, while the borrower pays the interest on non-subsidized loans.

Money for these loans is provided by participating banks, savings and loan associations, and credit unions.

To apply, complete the FAFSA as soon as possible after January 1, preferably by April 1. Submit the Student Aid Report to the Financial Aid Office, and request an application for a Stafford Loan. The application should be completed and returned to the Financial Aid Office which will determine eligibility. The application is then submitted to the lender which forwards a loan check to the Financial Aid Office. These loans can be disbursed to students up to ten days prior to a beginning of a term, with the exception of first time students, who must have been in attendance for 30 days.

Loan maximum amounts are as follows: \$2,625 for a full first year; \$3,500 for a full second year; and \$5,500 per full third and four years. Maximum amounts for graduate study are \$8,500 per year.

Repayment of subsidized loans is delayed until the borrower ceases to be enrolled at least half time. Six months after the borrower ceases to be enrolled half time, repayment begins at a variable interest rate which is capped at 9%. Those who receive the unsubsidized Stafford Loan pay the interest while enrolled and during deferment periods or as agreed to by the borrower and lender. Maximum loan amounts, interest rates, and deferment periods for unsubsidized loans are the same as for subsidized loans.

Detailed information on these loans is located in the application/promissory note which the borrower submits. Students are cautioned to use only one lender, as minimum repayment must be made to each lender.

Origination fees and other charges are deducted from these loans by the lender.

Federal Parent Loan for Undergraduate Students Loan Program (PLUS)

Parents may borrow up to the cost of education for their dependent child minus financial aid awarded the student. Interest rates are variable but are capped at 10%. Repayment of principle and interest begins by the parents 60 days after the loan is received. This loan is not based on income.

Federal Supplemental Loan for Students (SLS)

Students who meet the independent requirements may apply for this loan, which carries a variable interest rate capped at 11%. Although the loan is not based on income, applicants must first submit the FAFSA. The applicant should then submit the Student Aid Report to the Financial Aid Office and request an application for the SLS program. Note that students must first apply for Stafford Loans before applying for the SLS.

Interest on the loan can be accrued and capitalized. No principal payments are due during in-school periods.

Note that students applying for Stafford, PLUS, and SLS loans should submit their applications at least two months prior to the beginning of the term for which they are requesting the assistance. Some of these loans require the applicant to attend an "entrance interview" conducted by the Financial Aid Office prior to receiving their loans, and an "exit interview" prior to graduating or leaving college.

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 April 1, then submit the Student Aid Report to the Financial Aid Office. The applicant must also submit an Application for Financial Aid to the Financial Aid Office, preferably by April 1.

University Student Employee

Students who do not qualify for Work-Study because of income are eligible to work on the University Student Employee Program. Students interested in this program should contact individual department heads or the Financial Aid Office for possible job placement. This program is not based on financial need.

Off Campus Employment

A Placement Service is provided to assist students in finding employment in the Jacksonville area.

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 a Scholarship Listing and application.

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. To apply, submit a scholarship application to the Financial Aid Office by April 1. Minimum scores accepted for application are 28 on the ACT and 1230 on the SAT. The absolute deadline to apply for this program is April 1 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 Admissions Office by April 1.

Alabama Emergency Secondary Education Scholarships

The State of Alabama provides scholarships for residents of this state who are enrolled full-time in teacher education programs in mathematics, science, computer education, or other projected need areas. Recipients of this scholarship must teach in the public schools of Alabama in specified need areas or repay the amount they received. Available for both pre-service students and those who are returning for recertification, the scholarships are \$4,000 per academic year. Graduate students are also eligible to apply.

Selection of recipients is made by the Alabama Commission on Higher Education. Applications are available in the Financial Aid Office and the priority date to apply is June 1.

Alabama National Guard Educational Assistance Program

The State of Alabama provides scholarships 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 of assistance. An office of Veterans Affairs is located on campus to assist these students.

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.

ROTC

The Army provides ROTC scholarships on a competitive basis for select students who are strongly motivated toward an Army career. Four-year scholarships are available to entering freshmen. Three-year scholarships are available to outstanding cadets completing the MSCI. Two-year scholarships are awarded to outstanding cadets completing the ROTC Basic Course. Cadets applying for three and two year scholarships are expected to enroll in Advanced ROTC in their junior year.

These scholarships provide tuition, books, and laboratory fees. Recipients also receive an allowance of \$100 per month for a maximum of ten months of each academic year. Recipients will usually attend a six week Advanced Camp after the junior year, during which time the pay is approximately \$600 plus travel expenses.

Advanced cadets not on ROTC scholarship are also paid a subsistence allowance of \$100 per month for a maximum of twenty months. These cadets also attend the six-week Advanced Camp and receipt approximately \$600 plus travel expenses.

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

Jacksonville State University is required by the Higher Education Act of 1965, as amended, to establish standards of satisfactory academic progress for students receiving financial aid under the Title IV programs.

Students are normally eligible academically for financial aid during their first two full-time equivalent semesters of attendance at Jacksonville State University (Students admitted under the summer ExSEL Program, however, may qualify for only one term of assistance if they do not meet academic requirements for re-enrollment). To continue academic eligibility students must have achieved a cumulative Grade Point Average (G.P.A.) of at least 2.0 and must have passed at least 60% of cumulative hours attempted.

Students who fail to graduate by their first eight terms of full-time equivalent semesters must maintain a minimum 2.0 G.P.A. and pass at least 75% of hours attempted up to a maximum of 12 semesters.

Those students working on a second degree must pass at least 75% of hours attempted each academic year and maintain a minimum 2.0 cumulative G.P.A. Up to four full-time equivalent semesters are allowed for those student pursuing a second degree for a maximum of 16 cumulative semesters.

While students who are on probation may receive financial aid if they have passed an adequate percentage of hours and have the necessary G.P.A., those on Retrieval or Suspension status are ineligible academically for financial aid.

Students may withdraw from the University one time while on financial aid without penalty. Should a student withdraw while on financial aid the second time, the student will lose financial aid eligibility. Financial aid awarded to students who withdraw or drop courses is counted toward their maximum semesters of eligibility.

Students who fall below the minimum academic requirements during a semester because of one or more incomplete ("I") grades are allowed the ensuing semester of enrollment on financial aid. The incomplete must be removed during the University's prescribed time.

Satisfactory academic progress is monitored at the end of the regular academic year (Spring) and at the end of the Summer Two term.

Note that students who receive financial aid as full-time students and then drop courses have used an entire semester's eligibility. For example, if a student receives a Pell Grant for 12 hours and then drops to 3 hours after payment, the student will be counted as having used one full semester of eligibility toward the 12 semester maximum.

Those students whose aid is cancelled normally may appeal to have their aid reinstated under the following conditions: failure to remove one or more incompletes by the required time, withdrawal for the second time while on financial aid, or failure to graduate by the maximum time period allowed. Students may not appeal to have their aid reinstated if their grade point average is less than 1.75. Appeals must be made to the Financial Aid Office in writing. The Financial Aid Appeals Committee usually meets once each month.

AWARDING, ACCEPTANCE AND PAYMENT OF FINANCIAL AID

Students who are determined to be eligible for Federal Pell, Federal Supplemental, and Alabama State Grants, and Federal Perkins Loans 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, on the second day of classes.

Students may use scheduled financial aid to confirm classes and/or university housing costs if their assistance has been processed and awarded 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. Three 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. Special and transient students are ineligible for federal aid.

Students who withdraw before the mid-point of a term 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.

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.**

NONDISCRIMINATION

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

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.



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 11 residence halls and 156 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. All undergraduate students living in University Residence Halls must be enrolled for a minimum of 12 credit hours (nine credit hours for graduate students).
3. 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.
4. 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.
5. 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.
6. Room changes and Hall transfers are available. No changes or transfers will be made until the second day of classes of each semester.
7. 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.
8. For further information, please refer to the University Housing Contract, the *Residence Hall Guide to Living*, or contact the Department of University Housing at (205) 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 terminate their lease must do so in writing thirty (30) days prior to the anticipated moving out date.
3. Students wishing to renew an existing lease must do so in writing thirty (30) days prior to the expiration date of the lease.
4. For further information, please contact (205) 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 G.P.A. (Some programs require a higher G.P.A.) 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, technology, 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. and B.Mu. degrees require 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. (Note: Some degree programs require more than 128 semester hours.)
 - a. Those entering with advanced standing or earning credit from another institution after initial enrollment at Jacksonville must earn a minimum C Average 2.0 G.P.A. at this institution.
 - b. A student must earn a minimum C or better in each of his/her major and minor courses and in each of the major and minor courses taken in residence. A student working toward a degree from the College of Commerce and Business Administration must also have a 2.0 G.P.A. in the business core [courses identified in Commerce and Business Administration section] overall and the business core courses in residence.
 - c. At least 52 semester hours of credits presented for a degree must be in courses numbered 300 or above.
 - d. 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.**
 - e. 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.

- f. 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.
- g. 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 he/she maintains ongoing enrollment at Jacksonville State University. If a student is not enrolled in any course with Jacksonville State University during any one academic year (fall semester through the following summer term), the student will lose entitlement to follow his/her initial catalogue. Upon re-enrollment after any one year lapse in enrollment, the student must follow the requirements of either the catalogue current at that time or any later catalogue, provided no future one-year lapse in enrollment occurs. Students may not combine components of different catalogues. An exception to the catalogue requirement exists with Junior Colleges which have entered into a 2+2 articulation agreement with Jacksonville State University. Transfer students from those institutions are extended a three year opportunity to follow the JSU catalogue in effect at the time of initial enrollment in the Junior College. Transfer students from these Junior Colleges must meet the same ongoing enrollment requirements listed for students who initially enroll at J.S.U.

****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 failing to pass 60% of their work in any semester will be placed on academic probation. Students in this category are advised to reduce their course load to no more than 12 semester hours in the regular session and no more than 3 semester hours in each summer term.
5. Students can find their grade point average by dividing the number of hours attempted (all hours for which registered) into the quality points earned.
6. 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.
7. Students dually enrolled at Jacksonville State University and any other institution operating on a quarter calendar may take a maximum of 21 semester hours during the fall and spring semesters and corresponding fall and winter quarters provided no more than 15 hours are scheduled in the quarter term. Dually enrolled students in a spring quarter and the May term may schedule up to a total of 15 semester hours provided no more than 7 of the 15 scheduled in the May term. During the summer terms dually enrolled students may schedule a total of 15 semester hours provided no more than 7 hours are scheduled during Summer I or Summer II respectively.

8. 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.

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 \$20.00 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 hours 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).

GRADING SYSTEM

The following represents the grading system used by the University and the basis upon which quality points are earned.

- 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, LS 094, 095, 098, 102, MS 099 and PHS 099.

NC — No credits (0-69). This grade assigned only in English 098, 101, LS 094, 095, 097, 098, 102, MS 099 and PHS 099.

F — No quality points (0-59). Failing grades may not be removed from the academic record. Credit may be earned only by retaking the course in residence.¹ This grade will not be assigned for EH 098, 101, LS 094, 095, 097, 098, 102, MS 099, 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 G.P.A. The grade of F on a pass or fail course is computed as a regular F grade.

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.

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 Dean of Admissions and Records 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.

W/F — Withdrawn failing (counts as an F)²

W/P — Withdrawn passing.²

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.

Additionally, a grade of D earned at another institution will not be accepted for credit by Jacksonville State University.

A student may upgrade a final course grade only by repeating the course on campus at Jacksonville State University.

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

INSTITUTIONAL CREDIT

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

¹Students are cautioned that a course unsuccessfully attempted with the university may not be earned for credit from another institution.

²Issued only when the student has properly withdrawn from the university. See section on withdrawal.

MID TERM 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.

FINAL GRADES

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) 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.
 - e) Those eligible for honors must have completed at least 32 semester hours at Jacksonville. They must maintain the appropriate quality point average required for the honor to be awarded in all courses at Jacksonville State University.

ACADEMIC STANDARDS

I. Probation/Suspension

Students failing to pass 60% of their work in any semester will be placed on academic probation. Students in this category are advised to reduce their course load to no more than 12 semester hours in the regular session and no more than 3 semester hours in each summer term. Those students who are placed on academic probation and fail to pass 60% of their course load will be automatically dropped from the University for any two consecutive semesters. Students so dropped are eligible for readmission at the end of the dropped status period (any two consecutive semesters) and may be readmitted on academic probation. Credit may not be earned at any college or university while the student is in a dropped status. Those students who return after having been dropped must pass 60% of their course load their first semester in residence; failure to do so will result in the student being automatically and indefinitely dropped from the University.

II. 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 Vice President for Academic 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 "Temporarily Dropped" or "Indefinitely Suspended" 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 of Academic 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 G.P.A. requirement or any condition of their retrieval will be dropped from the University. The retrieval student in a "Temporarily Dropped" status must remain dropped for two consecutive semesters. The retrieval student placed in an "Indefinite Suspension" status must remain dropped for one calendar year, after which reinstatement must be approved by the Academic Council. Such students will lose all rights to petition for reinstatement during their dropped period, while in any dropped status no credit may be earned at any college or university. In addition, the student will be ineligible to receive financial aid if reinstated after the dropped period.

The Office of the Associate Vice President of Academic 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. Two semesters or 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.

Students must petition for academic forgiveness within two years after the semester in question. If the student temporarily terminates enrollment at JSU immediately subsequent to the semester for which academic forgiveness is requested, they must initiate the academic forgiveness petition within two years from initial re-enrollment with JSU.

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 Associate Vice President of Academic Affairs. After the student has completed all requirements, the Office of the Associate Vice President will present the petition to the Department Head of the student's major. Students with a double major will have their petition sent to the department head of their primary major. A recommendation from the department head will be presented to the dean of their college who will review the petition and make a recommendation to the Vice President of Academic Affairs. The Vice President of Academic Affairs will then consider all recommendations and documentation and make a final decision. Student will be notified of the results of the petition by the Vice President of Academic Affairs. Once granted, academic forgiveness may not be reversed.

Students with an undecided major will present the academic forgiveness petition to the Associate Vice President for Academic Affairs. The Associate Vice President for Academic Affairs will review the petition and make a recommendation to the Vice President for Academic Affairs.

If a petition is approved, the University Registrar will amend the record to reflect academic forgiveness. 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.

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.

The Appeals Committee will function in rare instances when a student encounters circumstances justifying that he/she drop (or withdraw from) courses past normal deadlines. Such circumstances would not normally apply to one course only, but would constitute a set of catastrophic circumstances affecting his/her entire semester's program.

Conceivable justification might be:

1. Serious protracted illness or neurosis.
2. Serious personal problems.

In such instances, the student will make written application to the instructor involved, describing the circumstances prompting the request with substantiating documents. If the student feels that the matter has not been satisfactorily settled, he/she may then appeal through channels to the appropriate department head, dean and the Appeals Committee respectively.

In this case, the Committee will interview the student and instructor involved. After reviewing the evidence, the Committee will make a recommendation to the President of the University. When a decision is reached, the student, the instructor, and the Registrar will be advised.

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.)

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.

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. Students who duplicate course work should be aware that all work attempted including duplications will be calculated in the grade point average.

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.

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 student, regardless of the reason, may take more than two make-up exams in a given course.

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

English Competency Examination

Prior to graduation, undergraduate students must successfully complete the University English Competency exam. 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. The examination will be given in the fall and spring semesters only. Students should indicate the semester they intend to take the examination upon registration. Students should register for the examination in the English Department, Room 215, Stone Center.

Students who have passed the writing section of the Georgia Regents' Test should see the head of the English Department, in Stone Center 215, concerning exemption.

STUDENT OUTCOMES ASSESSMENT

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 216, Ayers Hall.

CORRESPONDENCE COURSES

Credit obtained through correspondence courses (taught by regular full-time faculty members) 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/academic advisor prior to registering for correspondence work.

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

Students may return to a regionally accredited college or university as a transient student to take acceptable course work. Students should not enroll with a college as a transient without having approval from the Office of Admissions and Records. Approved courses in which grades of "C" or above are earned may be accepted as comparable courses at JSU. Students are cautioned that a course attempted with JSU may not be earned for credit at another institution.

Questions concerning the transferability of course work from other colleges to JSU should be addressed to the Office of Admissions and Records.

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 the Career Development and Counseling Services and the information on file there.

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. 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 do not lend themselves to the procedures as determined by the University.

UNIVERSITY JUDICIAL SYSTEM

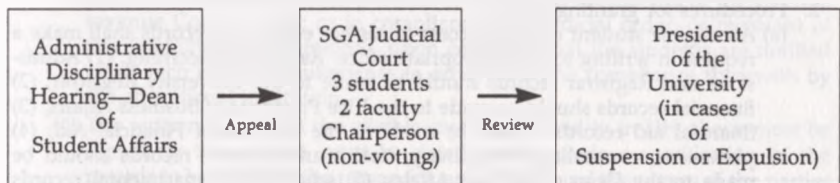
DISCIPLINARY POLICY

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 Dean of Student Affairs has been designated as the supervising official for the Judicial System. Violations of University policies should be reported to the Dean of Student Affairs. 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 Dean of 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 or safety of the student or other persons; the need for such records to meet the emergency; whether the persons to whom such records are released are in a position to deal with the emergency; and the extent to which tie 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 Education 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). Telephone requests or FAX 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 FAXED to another institution or individual due to the many questions of legal validity and real identity of the recipient of the FAX message. 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 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. 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 Daniel L. Miller, Jacksonville State University, Jacksonville, AL 36265.

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 snack bar is located in the Montgomery Student Commons 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 from the University Police Department in the Athletic Field House.

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 the Athletic Field House. (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 the Athletic Field House.

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 \$115.00, and for one summer semester, \$40.00 for each child.

CAREER DEVELOPMENT AND COUNSELING SERVICES

The Career Development and Counseling Services (CDCS) offers personal, educational, and career counseling for JSU students. Self-assessment and testing, career information library, and employability skill workshops are provided to help students make sound career plans, enhance their academic programs, and enter into the world of work. The facility is also open to spouses, alumni, and pre-college students. There is no charge, and all records are held in strictest confidence. CDCS is located in 107 Bibb Graves Hall, telephone (205) 782-5475.

PLACEMENT OFFICE

The Placement Office provides pre-employment and post-graduate services to include workshops, career fairs, and employment interviews for JSU students. Students must register with the Placement Office to develop a placement file and be eligible to have files sent to prospective employers. The Placement Office also coordinates part-time employment and co-op programs. The office is located on the first floor, Montgomery Student Commons Building, (205) 782-5482.

STUDENT HEALTH CENTER

Out-patient health services are available to all JSU students at the Student Health Center, located on campus. Services offered include: physical exams, hypertensive screening, treatment for sexually transmitted diseases, emergency first-aid, family planning, and health counseling.

A physician is available Monday-Thursday 2:00-5:30 and Friday 8:00-10:00 during the regular academic year. The facility is open 8:00-5:30 Monday-Thursday and Friday 8:00-4:30. Appointments preferred.

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

student at the time of their visit. This should be retained by the student. Patients should try to arrange clinical visits with their class schedule.

CENTER FOR INDIVIDUALIZED INSTRUCTION

The Center for Individualized Instruction is a multi-purpose, multi-disciplinary academic support center, offering flexible modes of instruction to meet the unique needs of individual students. The Center has three purposes: to schedule Learning Skills courses; to offer individualized sections of courses from various departments; to provide tutorial services to Jacksonville State University students. Innovative instruction used within the CII includes computer-assisted instruction, precision teaching, and the personalized system of instruction. The student may identify a course in an Academic Department taught within the Center for Individualized Instruction by the designation (CII) next to the section number in the Class Schedule. The content and course credit are the same as other sections of the given course, but the teaching method is different. Course material is broken into relatively small units which the student studies with the assistance of learning activities prescribed by the instructor or course advisors. Since students progress through the material at different paces, conventional lectures are not usually presented. Instead, a more individual discussion with the instructor and course advisors occurs. Once the student feels he/she is prepared, he/she schedules a performance session to demonstrate mastery of the material. If the student achieves the mastery criterion, he/she goes to the next unit of material. If not, the student studies further and retests until mastery is reached. Evaluations that do not indicate mastery of the concepts involved are considered diagnostic, with grades based on the student's best performance. The mastery procedure allows students to work quickly through the material which they easily grasp and to take more time to learn more difficult concepts.

Tutorial services are generally available in core curriculum courses. Students having difficulty mastering the English Language Competency test are especially encouraged to seek tutoring in the Center for Individualized Instruction.

More information regarding courses, services and programs of the Center for Individualized instruction can be obtained from the Director.

INSTRUCTIONAL SERVICES UNIT

The Instructional Services Unit is a department within the College of Education which provides a variety of support services. It is made up of the JSU Teacher Center and the Teaching/Learning Center.

The Teaching/Learning Center (T/LC) is an on-campus, free tutorial service to city-and-county-school students in grades K-12. The Instructional Services Unit offers teachers-in-training an opportunity to gain practicum experience through the T/LC in-house laboratory tutoring program.

The JSU Teacher Center provides educational materials and equipment to teachers currently teaching in the public schools, undergraduate and graduate students in education, and JSU faculty. The materials include: instructional games, kits, books, computer programs, and audiovisuals in 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. A computer lab is also available for word processing.

The Instructional Services Unit reflects goals and objectives which maximize the effective use of facilities, staff and resources in the College of Education.

DISABLED STUDENT SERVICES PROGRAM

The Disabled Student Services (DSS) provides academic support services to the otherwise qualified disabled individual. According to Section 504 of the Rehabilitation Act as amended, the term "handicapped individual" means "any person who has a physical or mental impairment which substantially limits one or more of such person's major life activities." Learning is considered a major life activity.

Section 504 and ADA require that each otherwise qualified disabled student should have reasonable access and accommodations to a postsecondary education. It is the

specific goal of DSS to remove barriers and equalize opportunities for the qualified disabled individual through education and career preparation. DSS is part of an integrated academic program. Students normally attend classes and participate in programs alongside all non-disabled University students. Upon request, each qualified disabled student develops a plan with the DSS staff for reasonable accommodations.

DSS engages in a variety of roles. In some instances DSS coordinates or makes referrals to support personnel (e.g. interpreters, notetakers, tutors, reader, scribes). In others it acts as a facilitator to network with existing University programs that already provide the needed service. DSS also provides programming for students who are hearing impaired by offering specific transitional coursework.

Support services provided through the Program facilitate the disabled student's integration into the University setting. DSS staff, consisting of trained professionals, works with the University staff and faculty to provide inservice and assist instructors in modifications or adaptations necessary for each of the individual students. Some technical aids and equipments are available through DSS. DSS works to remove the unfair barriers that prevent students from attaining the objectives of their coursework.

The DSS office is housed in 147 Daugette Hall, telephone number is 205/782-5093 V/TT.

HOUSTON COLE LIBRARY

The twelve story Houston Cole Library contains most of the University library collections. The collections, which consist of over a half-million bound volumes plus numerous microforms and audio-visual materials, meet the research and curriculum needs of the University community. Materials are available on all reading and interest levels from kindergarten to graduate research. 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 Gadsen 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 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 of films, filmstrips, videotapes, audio tapes, records, computer programs, slides, charts, overhead transparencies, duplication masters, and multi-media kits. 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 sixty-nine hours per week during the short terms.

ATHLETICS

Jacksonville State University is presently serving a two year period of compliance preparing to advance from Division II to Division I. The athletic department will petition the NCAA for re-classification and expects to move all sports to Division I and play 1AA football. At the present time the institution sponsors five sports for men: basketball, football, baseball, tennis, and golf and four sports for women: basketball, tennis, softball and volleyball; and one co-educational sport, rifle. Four new sports will be added as required by Division I criteria.

Reputed to have the best athletic facilities in college ranks, the institution has maintained a leadership role in athletics for five decades. 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 INTERNATIONAL HOUSE PROGRAM

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

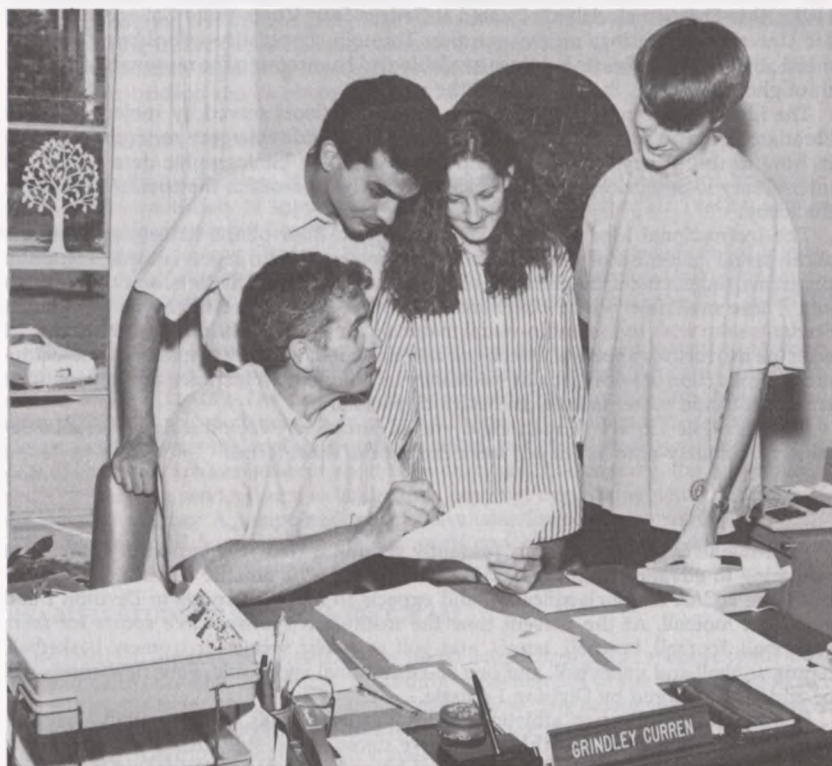
Each year forty undergraduate students are accepted as members of this unique undertaking. Approximately one-half of the members are foreign students and the remainder are Americans. Members of the International House Program must be enrolled as full-time students in the University. Although not mandatory,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



SUMMARY OF DEGREES/ REQUIREMENTS CORE CURRICULUM

Jacksonville State University offers seven undergraduate degrees; B.S.Ed., B.M.E., B.S., B.A., B.F.A., B.Mu., B.S.W. 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 degree requirements are core courses and must be included in all undergraduate degrees. These represent minimum requirements. Specific degree programs and majors may have additional requirements.

Communication:	EH 101, 102, 141.	8 hours
Analysis:	MS 102 and one higher level mathematics course	6 hours
Fine Arts & Humanities:		
(Select one)	ART 202, DR 242, MU 233, or FL 101.	3 hours
(Select two)	EH 201, 202, 301, 302, 319, 320, 331, 332	6 hours
(Select one complete sequence)		
	HY 101, 102 or HY 201, 201.	6 hours
Social and Behavior Sciences	AN 224, EC 222, GY 120, CJ 101, PSC 100	
(Select two)	PSY 201, SY 221	6 hours
Natural Sciences:		
(Select one complete sequence with corresponding laboratory)		
	BY 101, 102, 103, 104; CY 105, 106, 107, 108; GL 241, 242, 243, 244; PHS 201, 202, 211L, 212L . .	*8 hours
Wellness:	FCS 215, 322, HLT 213, PE 109; MSC	
(Select one)	113, 115, 116, 151-158	<u>3 hours</u>
		46 hours

ADDITIONAL MAJOR REQUIREMENT:

The University core requires a computer literacy component in every academic major program. Students can satisfy this requirement by completing (1) CS 201 or higher or (2) by completing CS 100 and an additional approved course designed to develop specific computer skills needed within the major/discipline. Approved course options are listed in each academic discipline in the catalogue. The literacy requirement should, in most cases, be satisfied as soon as possible so that the student can use the computer effectively throughout the remainder of his/her academic program.

*ECE and EED students are advised to take the complete IS 226, 227, 228 sequence with labs (12 semester hours) or the traditional core sequence which includes 8 hours of natural science plus 3 hours of physical science. See Academic Advisor.

**MAJOR/MINOR
REQUIREMENTS/ELECTIVES**

TOTAL: Minimum 82 hours
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, nursing, education, social 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. In addition, a student must meet the University's core curriculum requirement, 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. For further information please confer with the Associate Dean of the College of Letters 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. There are five subject areas offered in the General Studies Program with a minimum number of hours required in each area. All academic regulations of the University must be met.

	MINIMUM SEMESTER HOURS	SEMESTER HOURS FOR CONCENTRATION
English Composition and Communications	14	41
Literature and Languages	12	
Humanities**	30	45
Science and Mathematics	17	33
Behavioral Science***	18	33

Courses meeting the above requirements must be selected from a list of approved courses which is available in the office of the Associate Dean of the College of Letters and Sciences.

II. BACHELOR OF FINE ARTS

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

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, Physics, or Communications.

A student wishing to waiver 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.

**There are four areas in which a student may concentrate: the combined area of English Composition and Communications and Literature and Languages; the area of Humanities, the area of Science, Mathematics, and Computer Science; and the area of Behavioral Sciences.

***An additional requirement of work in the area of the Humanities for the minimal requirement and/or to concentrate in the area is: A student must have course work in at least three subjects in the area of the Humanities. He/she may select from: Art; Economics; Geography; History; Music; Philosophy (not Psychology); and Political Science.

****The area of Behavioral Science includes Anthropology, Psychology and Sociology.

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, nursing, geography, sociology, psychology, criminal justice, electronics technology, 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.

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 MUSIC

The requirements for the Bachelor of Music (B.Mu) are listed under the department of music.

VII. BACHELOR OF MUSIC EDUCATION

The requirements for the Bachelor of Music education (B.M.E.) are listed under the department of music.

BASIC ENGINEERING

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

PRE-MEDICAL, PRE-DENTAL, PRE-VETERINARY, PRE-PHARMACY, AND PARAMEDICAL CURRICULA

The health careers fields of medicine, dentistry, optometry, veterinary medicine, pharmacy, physical therapy and a number of paramedical disciplines, constitute one of the most rewarding and challenging professions — the Health Sciences. The health oriented professional schools urge students to get a broad general education which will contribute to the total person.

Jacksonville State University maintains a Health Careers Office and Committee in order to work with students in the pre-health profession programs. All students considering these pre-health profession programs should confer with the Health Careers Office at the time of registration in order to receive instructions and a packet of information describing particular fields of study and a general outline of required and recommended courses. It is very important and necessary that the student maintains a close working relationship with the Health Careers Office in order to receive maximum assistance.

The student in the pre-health profession programs will be required to take as a minimum one year of general biology, one year of general chemistry, one year of organic chemistry, one year of physics and one year of math in addition to the normally required courses such as English and history. There is no specifically required major

field of study for the health careers. You may choose a major field from any of the degree granting programs at the University.

The requirements for the pre-health profession programs vary in some of the detailed requirements, therefore, the student should consult with the Health Careers Office in order to get specific requirements for their chosen field of study. It is a good idea to write to the professional school which you plan to attend to get information about specific requirements needed to be accepted to that school.

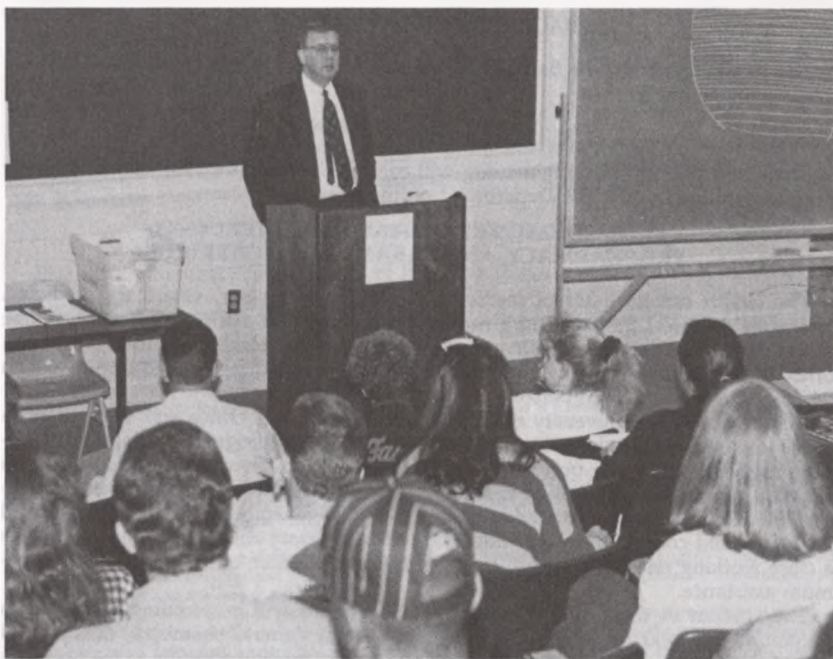
In order to be competitive when applying to professional schools a student should have a B average, make high scores on the entrance examination (MCAT, DAT, VAT, OCAT, etc.), have good letters of recommendation and have been involved in some work related to the student's chosen field of study. Professional schools are looking for well rounded students with work experience which shows that they know what is involved in their chosen career.

PRE-LEGAL COURSES

Nearly all accredited law schools now require that a student have an undergraduate degree in order to enter law school. Formerly, law schools allowed admission after three years of undergraduate study, but almost all law schools now require that beginning students have a broader educational background than can be secured with three years of college. 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 some field of social science. 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 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 COMMERCE AND BUSINESS ADMINISTRATION

J. Patrick O'Brien: Dean

This College offers the Bachelor of Arts degree with a major in Economics and the Bachelor of Science degree with majors in the following areas of study: Accounting, Economics, Finance, Management, Marketing. The College of Commerce and Business Administration offers minors in accounting, economics, finance, business administration, real estate, management, marketing and business statistics.

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 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 65 hour Program with a GPA of 2.2 or better 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. Students will follow the program of study outlined in the JSU Catalogue which is current at the time they enroll at JSU. 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**.
3. While in the Pre-Business Program, all students should schedule English composition and mathematics courses each semester until such courses are completed.
4. Students transferring from any two-year college or other four-year institution must abide by all rules and regulations as specified in the current JSU Catalogue relative to admission of transfer students, 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.
5. 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. In the event major curriculum changes are made in the JSU Catalogue which might negatively impact a transfer student's ability to complete the program of study already begun at another institution with which JSU has a 2 + 2 articulation agreement, special consideration may be given to grandfather the student under a previous Catalogue. Decisions in this area are the joint responsibility of the Dean of the College of Commerce and Business Administration and the Dean of Admissions and Records.
6. Students transferring into the College of Commerce and Business Administration's Pre-Business Program from any two-year, other four-year institution, or other colleges of the University (JSU) must have a minimum G.P.A. of 2.0 in order to transfer. Students lacking a sufficient G.P.A. who wish to transfer from another institution should indicate upon transfer their major as "Undecided" until the minimum 2.0 G.P.A. is attained. At this time, the student may complete a Change of Major Form, indicating "Pre-Business" as the new major.

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 will be 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 301, MKT 301, and/or FIN 301 completed at levels lower than the 300 level is evaluated and 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. Validation may be accomplished through one of the following methods:

1. taking the appropriate CLEP exam (MKT 301, MGT 301) and receiving the designated passing score. No additional credit is granted for this exam.
2. completing an advanced course in the appropriate area with a grade of C or better. In the event that more than one course is taken in a semester in the particular area in which the course is being validated, the average of the grades made in these courses must be a C or better.
3. taking a comprehensive final examination for the course and receiving a grade of C or better.

In the event the student is not successful on the first attempt in validating the course through one of the above options, the course must be retaken at JSU with a grade of C or better.

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).

BUSINESS ADMINISTRATION CORE

The following courses are included in the Business Administration Core: ACC 201, 202; CS 201, 400; ST 260, 261; FIN 263, 301; EC 221, 222, 321 or 322; MKT 301; MGT 301, 384, 390, 450, and 469. All other business courses listed are included in the student's major. A student must earn a minimum C average (2.00 GPA) in the business administration core subjects and business administration core subjects taken in residence. The student must also earn at least a C in his/her major subjects.

ADMITTANCE TO UPPER DIVISION CCBA COURSES

Admittance to upper division (300 and 400 level) courses will be granted only to students with junior standing (64 hours) or above who have successfully completed ACC 201, ACC 202, EC 221, EC 222, MS 102, and ST 260. 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 and FIN 341 are exceptions to the requirements stated above; these courses are open to all students.

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, Alg	3	MS 122 or MS 141	4-3
HY ²	3	HY ²	3
CS 201, Intro to DP	<u>3</u>	PSY 201, Prin	<u>3</u>
	16		17-16

SOPHOMORE YEAR

1st Semester		2nd Semester	
EH 141, Spch	2	Literature ³	3
Literature ³	3	ST 260, El Stats	3
FIN 263, Legal Env	3	EC 222, Prin	3
EC 221, Prin	3	ACC 202, Prin II	3
ACC 201, Prin I	3	GY 120	3
Fine Arts & Humanities ⁴	3		15
	17		

¹Eight hours 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 take HY 101 and 102 or HY 201 and 202.

³Students must select 6 hours from the following literature classes: EH 201, 202, 301, 302, 319, 320, 331, 332.

⁴Students must select 3 hours from the following classes: Art 202, DR 242, MU 233, FL 101.

**BACHELOR OF SCIENCE DEGREE
ACCOUNTING, ECONOMICS, FINANCE, MANAGEMENT, MARKETING
MAJORS**

**ACCOUNTING
JUNIOR YEAR**

1st Semester		2nd Semester	
ACC 371, Cost Acc	3	ACC 372, Inc Tax Acc	3
ACC 393, Intmd. I	3	ACC 394, Intmd. II	3
FIN 301, Bus Fin	3	EC 321 or 322	3
MGT 301, Prin Mgt	3	MGT 384, Org Beh	3
ST 261, Stats II	3	MKT 301, Prin Mkt	3
MGT 450 or EH 322	3		15
	18		

SENIOR YEAR

1st Semester		2nd Semester	
ACC 395, Intmd. III	3	ACC Elective	3
ACC 473, Adv Acc	3	ACC 477, Audit	3
ACC Elective	3	ACC 497, Seminar	3
CS 400, MIS for Bus	3	Wellness ¹	3
MGT 390, Prod/Ops Mgt	3	MGT 469, Bus Pol	3
	15	Gen. Elec. ²	1
			15-16

¹Select 3 hours from the following: (Wellness) FCS 215, FCS 322, HLT 213, PE 109, MSC 113, 115, 116, 151-158.

²If needed to obtain necessary hours for graduation.

**CPA EXAMINATION
150 Hour Legislation**

After January 1, 1995, 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 new 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.

ECONOMICS JUNIOR YEAR

1st Semester		2nd Semester	
EC 321, Int Micro	3	FIN 301, Bus Fin	3
MGT 450 or EH 322	3	MGT 384, Org Beh	3
MGT 301, Prin Mgt	3	MGT 390, Prod/Ops	3
MKT 301, Prin Mkt	3	EC 300 or 301 or 302	3
ST 261, Stats II	<u>3</u>	EC Elective	<u>3</u>
	15		15

SENIOR YEAR

1st Semester		2nd Semester	
CS 400, MIS for Bus	3	Gen Elect (300+)	3
EC 322	3	MGT 469, Bus Pol	3
EC Electives	6	EC 463, Seminar	3
General Elective 300+	3	EC Elective	3
Wellness ¹	<u>3</u>	*General Elective (if needed to obtain	
	18	128 hours	<u>3</u>
			15

¹Select 3 hours from the following: (Wellness) FCS 215, FCS 322, HLT 213, PE 109, MSC 113, 115, 116, 151-158.
Of total hours, 52 must be numbered 300 or above.

FINANCE JUNIOR YEAR

1st Semester		2nd Semester	
MGT 450 or EH 322	3	Wellness ¹	3
FIN 301, Bus Fin	3	FIN 441, Fin Mgt	3
MGT 301, Prin Mgt	3	FIN Elective	3
MKT 301, Prin Mkt	3	MGT 384, Org Beh	3
ST 261, Stats II	<u>3</u>	MGT 390, Prod/Ops	3
	15	EC 321 or 322	<u>3</u>
			18

¹Select one of the following: (Wellness) FCS 215, FCS 322, HLT 213, PE 109, MSC 113, 115, 116, 151-158.

SENIOR YEAR

1st Semester		2nd Semester	
CS 400, MIS for Bus	3	FIN 434, Intl Fin	3
FIN Elective	3	FIN Elect	3
FIN 474, Invest	3	FIN 481, Seminar	3
FIN 475, Adv. Topics	3	MGT 469, Bus Pol	3
Gen. Elect. 300+	<u>3</u>	General Elective (if needed to obtain	
	15	128 hours)	<u>3</u>
			15

MANAGEMENT JUNIOR YEAR

1st Semester		2nd Semester	
MGT 450 or EH 322	3	ACC 396, Mgtl Acc	3
FIN 301, Bus Fin	3	MGT 384, Org Beh	3
MGT 301, Prin Mgt	3	MGT 385, Hum Res Mgt	3
MKT 301, Prin Mkt	3	MGT 390, Prod/Ops Mgt	3
ST 261, Stats II	3	EC 321 or 322	3
	<u>15</u>		<u>15</u>

SENIOR YEAR

1st Semester		2nd Semester	
CS 400, MIS for Bus	3	MGT 469, Bus Pol	3
MGT 372, Org Theory	3	MGT 491, Seminar	3
MGT 392, Bus/Soc	3	MGT 496, Intl Mgt	3
Gen. Elec. 300+	3	MGT Elective	3
MGT Elective	3	General Elective (if needed to obtain 128 hours)	3
Wellness ¹	3		
	<u>18</u>		<u>15</u>

¹Select one of the following: (Wellness) FCS 215, FCS 322, HLT 213, PE 109, MSC 113, 115, 116, 151-158.

MANAGEMENT (Human Resource Management Option)

JUNIOR YEAR

1st Semester		2nd Semester	
MGT 450 or EH 322	3	MGT 384, Org Beh	3
FIN 301, Bus Fin	3	MGT 385, Hum Res Mgt	3
MGT 301, Prin Mgt	3	MGT 390, Prod/Ops Mgt	3
MKT 301, Prin Mkt	3	MGT 392, Bus/Soc	3
ST 261, Stats II	3	EC 321 or 322	3
	<u>15</u>		<u>15</u>

SENIOR YEAR

1st Semester		2nd Semester	
CS 400, MIS for Bus	3	MGT 469, Bus Pol	3
MGT 389, Adv Hum Res	3	MGT 490, Col Bargain	3
Gen Elect 300+	3	MGT 496, Intl Mgt	3
MGT 468, Wage/Salary	3	Human Resource Management Elective	3
Human Resource Management Elective	3	General Elective (if needed to obtain 128 hours)	3
Wellness ¹	3		
	<u>18</u>		<u>15</u>

¹Select one of the following: (Wellness) FCS 215, FCS 322, HLT 213, PE 109, MSC 113, 115, 116, 151-158.

MANAGEMENT (Production/Operations Management Option)**JUNIOR YEAR**

1st Semester		2nd Semester	
MGT 450 or EH 322	3	ACC 396, Mgtl Acc	3
FIN 301, Bus Fin	3	MGT 384, Org Beh	3
MGT 301, Prin Mgt	3	MGT 390, Prod/Ops Mgt	3
MKT 301, Prin Mkt	3	MGT 392, Bus/Soc	3
ST 261, Stats II	<u>3</u>	EC 321 or 322	<u>3</u>
	15		15

SENIOR YEAR

1st Semester		2nd Semester	
CS 400, MIS for Bus	3	MGT 410, Adv Ops Mgt	3
Gen Elect 300+	3	MGT 469, Bus Pol	3
MGT 486, Indus Mgt Prob	3	MGT 496, Intl Mgt	3
MGT 495, Bus Des Mak	3	Production/Operations Management	
Production/Operations Management		Elective	3
Elective	3	General Elective (to obtain 128 hours)	<u>3</u>
Wellness ¹	<u>3</u>		15
	18		

¹Select one of the following: (Wellness) FCS 215, FCS 322, HLT 213, PE 109, MSC 113, 115, 116, 151-158.

**MARKETING
JUNIOR YEAR**

1st Semester		2nd Semester	
MGT 450 or EH 322	3	MGT 384, Org Beh	3
FIN 301, Bus Fin	3	MKT 363, Indus Mkt	3
MGT 301, Prin Mgt	3	MKT 378, Cons Beh	3
MKT 301, Prin Mkt	3	MGT 390, Prod/Ops Mgt	3
ST 261, Stats II	<u>3</u>	EC 321 or 322	<u>3</u>
	15		15

SENIOR YEAR

1st Semester		2nd Semester	
CS 400, MIS for Bus	3	MGT 469, Bus Pol	3
MKT Electives	6	MKT 495, Mktng Mgt	3
MKT 493, Intl Mkt	3	MKT 497, Mkt Research	3
General Elective 300+	3	MKT Elective	3
Wellness ¹	<u>3</u>	General Elective	
	18	(to obtain 128 hours)	<u>3</u>
			15

¹Select one of the following: (Wellness) FCS 215, FCS 322, HLT 213, PE 109, MSC 113, 115, 116, 151-158.

MINORS

Minors in Business are not available to students earning a Bachelor of Science Degree in Accounting, Economics, Finance, Management, or Marketing.

A minor in Accounting consists of at least eighteen hours of Accounting courses including: ACC 201, 202, 371 or 396, 372, 393 and one of the following: ACC 398, 475, 476, or 496.

A minor in Business Administration consists of at least twenty-four hours including: ACC 201, ACC 202, FIN 263, FIN 301, MGT 301, MGT 384, 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 301, 384, 385, 390, and six hours of management electives.

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

A minor in Real Estate consists of at least eighteen hours of course work, including FIN 341, 343, 344, 364, 440 and one of the following: FIN 311, 442, or 474.

A minor in Business Statistics consists of at least eighteen hours of Business Statistics courses, including ST 260, 261, 390, and 9 hours of 300-400 level business statistics courses.

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	MS 103 or 104	3
HY ²	3	HY ²	3
General Elective	3	Social and Behavioral Science ³	3
	16		16

SOPHOMORE YEAR

1st Semester		2nd Semester	
EC 221, Prin	3	Literature ⁴	3
EH 141, Spch	2	EC 222, Prin	3
General Elective	6	Minor Course	3
Minor Course	3	Computer Science 201	3
Fine Arts and Humanities ⁵	3	Social and Behavioral Science ³	3
	17		15

JUNIOR YEAR

1st Semester		2nd Semester	
EC 300 or 301 or 302	3	EC 321, Int Micro	3
Economics Elective	3	Economics Electives	3
Minor Course	3	Minor Course	3
Literature ⁴	3	General Electives	6
General Elective	3	Wellness ⁶	3
	15		18

SENIOR YEAR

1st Semester		2nd Semester	
EC 322, Int Macro	3	Economics Electives	3
Economics Electives	6	Minor Course	3
Minor Course	3	General Electives	
General Elective	3	(or minor courses if needed) ⁷	10
	15		16

¹Two semesters of the same science with corresponding labs are required. Select from the following: BY 101, 102; CY 105, 106; GL 241, 242; PHS 201, 202.

²Students must take HY 101 and 102 or HY 201 and 202.

³Social and Behavioral Science — Select two of the following: AN 224, GY 120, CJ 101, PSC 100, PSY 201, SY 221.

⁴Literature — Select two of the following: EH 201, 202, 301, 302, 319 320, 331, 332.

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

⁶Wellness — Select one of the following: FCS 215, FCS 332, HLT 213, PE 109, MCS 113, 115, 116, 151-158.

⁷Of the total hours, 52 must be numbered 300 or above.

DEPARTMENT OF ACCOUNTING (ACC)

214 MERRILL HALL

Wilbur Berry: Department Head

Professor: P. Granger

Associate Professor: Bell

Assistant Professors: Berry, Gantt, Kirby, Seay

DESCRIPTION OF COURSES
ACCOUNTING (ACC)

- 201, 201. Principles of Accounting (I) (II) (3) (3).** *Prerequisites:* MS 099, or higher level math course. Accounting 201 and CS 201 are prerequisites to Accounting 202. Two semesters. The basic theory, concepts and practices of financial accounting in business organizations including an introduction to computer based methods. (Formerly ACC 391, 392)
- 371. Cost Accounting (3).** *Prerequisite:* ACC 202. An introduction to cost accounting through a study of the principles of job-order, process, standard and variable costing. (Formerly ACC 471).
- 372. Income Tax Accounting (3).** *Prerequisite:* ACC 202. 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. (Formerly ACC 472).
- 393, 394, 395. Intermediate Accounting (I) (II) (III) (3) (3) (3).** *Prerequisites:* ACC 202 is a prerequisite and FIN 301 is a corequisite to ACC 393. ACC 393 is a prerequisite to ACC 394 and ACC 395. Detailed study of the accounting processes and analysis of balance sheet accounts with the application of accounting theory through intensive problem solutions.
- 396. Managerial Accounting (3).** *Prerequisite:* ACC 202. Accounting data and its use by management in reaching decisions and evaluating performance. Will not be accepted as accounting elective for accounting majors.
- 398. Governmental Accounting (3).** *Prerequisite:* ACC 393 or 9 hours 300-400 level Finance courses. Accounting procedures for all governmental units, including non-profit service organization. Analysis of current problems in fund accounting.
- 473. Advanced Accounting (I) (3).** *Prerequisite:* ACC 394 or 395. Specialized accounting procedures. Topics include business combinations, partnership accounting, and local government accounting.
- 475. Advanced Cost Accounting (3).** *Prerequisites:* ACC 371 and ST 261. Cost Accounting with emphasis on capital budgeting, quantitative techniques, and relevant costs as a tool in management decisions.
- 476. Advanced Income tax Accounting (3).** *Prerequisite:* ACC 372. Advanced federal tax concepts, including income taxation of corporations, partnerships, estates & trusts. Also includes a study of gift and estate taxes.
- 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.
- 478. Accounting Theory (3).** *Prerequisites:* ACC 394 and 395. An analysis of historical and current accounting concepts.
- Finance 484. Business Law (3).** *Prerequisite:* FIN 263. May be counted as course in the Department of Accounting. For course description, see Finance 484.
- 489. Accounting Practicum (3).** *Prerequisites:* Senior status and the approval of the Accounting Department Head. Practical experience in the field of public management, or governmental accounting and auditing.

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.
496. **Accounting Information Systems (3).** *Prerequisites: ACC 393 and CS 201 or 231.* Analysis and design of accounting, operational, and related information requirements in business using computer-based approaches. Lab fee.
497. **Seminar in Accounting (3).** *Prerequisite: Graduating 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.

DEPARTMENT OF FINANCE (FIN), ECONOMICS (EC) AND BUSINESS STATISTICS (ST)

221 MERRILL HALL

William Fielding: Department Head

FINANCE FACULTY

Professor-Eminent Scholar: Trivoli

Professors: Brown, Fielding, Jones

Associate Professors: Scroggins, Sullivan

Assistant Professor: Bennett

Instructor: Padgham

ECONOMICS FACULTY

Professors: Cypert, Gilbert, O'Brien, Paxton, Thompson

Instructor: McCarty

STATISTICS FACULTY

Professors: Clark, Fuller

Instructor: Graham

DESCRIPTION OF COURSES FINANCE (FIN)

263. **Legal Environment (3).** A survey of the legal processes and principles which underlie business organization and environment, including ethical considerations. (Formerly FIN 363).
301. **Business Finance (3).** A survey of business finance. Coverage of the basic financial decisions including investment, financing, and dividend.
- Economics 303. Money and Banking (3).** *May be counted as a course in the Department of Finance.* For description, see Economics 303.
- Economics 310. Public Finance (3).** *May be counted as a course in the Department of Finance.* For description, see Economics 310.
311. **Personal Finance (3)** Personal financial planning including credit and time buying, insurance, housing, investments, budgeting, use of financial institutions, and taxes. (Formerly Fin 211).
331. **Credit Management (3).** The place of credit in the market structure; sources of credit information; retail and mercantile credit principles; basis of new credit; types of credit; credit analysis and appraisal; credit controls; collection procedures; and legal remedies of creditors.
341. **Principles of Real Estate (3).** Real estate ownership interest, legal processes, financing instruments and institutions, consideration of subdividing and zoning, federal housing litigation, and taxation.

343. **Real Estate Appraisal (3).** *Prerequisite:* FIN 341. Analysis of sites and buildings; collection, analysis interpretation of cost and market data; depreciation, capitalization; correlation of value factors; writing of appraisal reports.
344. **Legal Aspects of Real Estate (3).** *Prerequisite:* FIN 341. Estates in land, purchase and sales contracts, conveyances, mortgages and trust deed transactions, property taxes, landlord and tenant, wills and inheritance.
361. **Bank Management (3).** *Prerequisite:* FIN 301. The commercial bank as a business enterprise; principles of organization and operation; regulatory framework; and problems of competition and growth.
364. **Insurance (3).** A survey of the insurance coverages available and the use of insurance by business. Covers the basic principles of risk.
- Accounting 372. Income Tax Accounting (3).** *Prerequisite:* ACC 201. *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.
- Accounting 398. Governmental Accounting (3).** *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.
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 economic development.
440. **Real Estate Finance (3).** *Prerequisite:* FIN 301. Institutions, instruments and mortgage banking practices. Emphasis on analyzing mortgage risks, loan terms and rates, servicing, foreclosure, sources of mortgage credit and government influences.
441. **Financial Management (3).** *Prerequisite:* FIN 301. A study of financial decision making. Profit planning, financing strategies, financial analysis and ethical questions are emphasized.
442. **Real Estate Investment (3).** *Prerequisite:* FIN 341. Financial and taxation factors affecting investments in real property. Special attention to federal tax regulations, alternate financing arrangement, timing of transactions.
474. **Investments (3).** *Prerequisite:* FIN 301. A survey of investment principles and practices. Emphasis is given to security analysis and portfolio management, with special attention focused on the individual investor.
475. **Advanced Topics in Finance (3).** *Prerequisite:* FIN 441. Application of financial management techniques to capital structure policy, dividend policy, financing decisions, working capital management and corporate restructuring.
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.
481. **Seminar in Finance (3).** *Prerequisite:* Should be taken in graduating semester. *Exceptions must be approved by department head.* Financial theories and problems involving investment, financing, and dividend decisions.
484. **Business Law (3).** *Prerequisite:* FIN 263. Legal principles related in personal property and bailments; the law of sales; commercial paper; and secured transactions.

486. **Independent Research in Finance (3).** *Prerequisite:* Permission of the department head. Research will be conducted into an area of "special interest" documented by a thesis-styled research paper.
489. **Finance Practicum (3).** *Prerequisites:* Senior status and the approval of the Finance Department Head. Practical experience in the field of finance.

ECONOMICS (EC)

221. **Principles of Economics I (3).** Microeconomic analysis, including the consumer, the firm, the market and price determination.
222. **Principles of Economics II (3).** A macroeconomic approach, including money and banking, national income accounting monetary and fiscal policy, and international economics. (Formerly EC 220).
- Geography 241. Principles of Economic Geography (3).** *May be counted as a course in the Department of Economics.* For description, see Geography 241.
- Business Statistics 260. Elementary Statistics (3).** *May be counted as a course in the Department of Economics.* For description, see Statistics 260.
- Business Statistics 261. Statistics for Business (3).** *May be counted as a course in Department of Economics.* For description, see Statistics 261.
300. **Development of the Modern Western Economy to 1776 (3).** An analytical study of the economic development of Western Europe and Europe's expansion into the new world. Mercantilism is stressed both as a school of economic thought and as an important factor in colonization. An effort is made to seek out and relate growth and development factors relevant to today. The course ends with the publication of Smith's *Wealth of Nations* and U.S. Independence.
301. **Development of the Modern Western Economy, 1776 to 1913 (3).** Growth of the U.S. from an under-developed economy into a highly advanced economy. An effort is made to seek out and study growth and development factors of relevance to today.
302. **Development of the Modern Economy, 1913 to Present (3).** An analytical study of modern American economic development from the Federal Reserve Act (1913). The change from a debtor to a creditor nation, the failure of "Splendid Isolation," the "Prosperity Decade," the "Depression Decade," "Keynes' New Economics," "The Employment Act of 1946," Post World War II full employment policies and their implications, national and international, are considered. The role of the United States in the international economy is stressed.
303. **Money and Banking (3).** *Prerequisites:* EC 221, 222. Topics in monetary policy, theory, monetary standards, the commercial banking system, and the federal reserve system are considered in detail.
305. **Capitalism, Socialism, and Communism (3).** A critical examination of different solutions to problems of planning, resource allocation, and of growth in selected market and command type economics. An effort is made to contrast the structures, institutions, and dynamics of diverse forms of politico-economic organizations. Special emphasis is given to Marxian thought and to centralized and decentralized models in the light of price-directed and quantity-directed socialism.
310. **Public Finance (3).** *Prerequisites:* EC 221, 222. The economics of the public sector in our "mixed" economy. Government expenditures and revenues and their impact on resource allocation, distribution, economic growth, and stabilization.
312. **Economics of Public Choice (3).** *Prerequisites:* EC 221, 222. A theoretical analysis of non-market decision making as translated through bureaucratic and political institutions.

315. **Labor Economics (3).** *Prerequisites:* EC 221, 222. Analysis of labor-management-government relationships in the industrialized segment of the American economy.
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.
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.
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.
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.
323. **Intermediate Monetary Theory (3).** *Prerequisites:* EC 303 and 322. Analysis of monetary theory and its application to policy measures.
345. **The Economics of Regulation (3).** *Prerequisites:* EC 221 222. An inquiry into the behavior of some of the important regulatory agencies of the Federal government.
354. **Introduction to Consumer Economics (3).** The course is open to freshmen and to majors in the Department of Home Economics. It cannot be applied to either the major or minor in economics. The course analyzes consumer problems relating to budgeting, purchasing, investment and consumer protection.
402. **Marxian Phil. and Econ. (3).** *Prerequisite:* Junior standing. Examines Marx's Economic theory within the context of his Philosophic manuscripts of 1844, with emphasis on contemporary deviation from his actual thought.
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.
450. **International Economics (3).** *Prerequisites:* EC 221 and 222. Economic analysis of international relations. Emphasis will be placed on theories of exchange and international monetary economics with only secondary interest placed on institutional arrangements.
461. **Economic Development (3).** *Prerequisites:* EC 221, 222. An introduction to economic development and methodology. Special consideration is given to theories of economic development and growth.
463. **Senior Seminar in Economics (3).** *Prerequisite:* Capstone course, should be taken in graduating semester, exceptions approved by Department Head. Considers the methodology of economics and provides a comprehensive review of economic theory.
471. **Urban Economics (3).** *Prerequisites:* EC 221, 222. The course analyzes (1) location theory and spatial distribution of economic activity, (2) economic base theory, input-output techniques, and (3) inner city problems.
480. **Cycles and Forecasting (3).** *Prerequisites:* EC 221 and 222, and ST 261. Analysis of the relationships among variables, such as saving, investment, income, input, output, and employment; measurement of economic fluctuations, forecasting economic activity.

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.
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.

BUSINESS STATISTICS (ST)

260. **Elementary Statistics (3).** *Prerequisite:* MS 102. Collecting, classifying, presenting data through tables and charts; statistical descriptions-averages and dispersion; probability; probability and sampling distribution; confidence interval estimation; tests of hypothesis. (Formerly ST 360).
261. **Statistics for Business (3).** *Prerequisites:* ST 260 and MS 122 or 141. Statistical inference; index numbers; introduction to time series analysis, regression and correlation analysis; analysis of variance; nonparametric methods; contingency table techniques. (Formerly ST 361).
390. **Quant Business Analysis (3).** *Prerequisite:* ST 260. Quantitative analysis in the solution of business problems, including statistical decision theory, linear programming, inventory and production models, network analysis, and analysis of waiting lines.
450. **Design of Experiments (3).** *Prerequisite:* ST 261. Introduction to the design of experiments and analysis of variance; random block, factorial, Latin square, and analysis of covariance.
- Economics 480. Cycles and Forecasting (3).** *Prerequisites:* EC 221, 222 and ST 261. May be counted as a statistics and quantitative methods course. For a course description, see Economics 480.
- Economics 486. Econometrics (3).** *Prerequisites:* EC 221, 222 and ST 261. May be counted as a statistics and quantitative methods course. For a course description, see Economics 486.
490. **Adv Quant Business Analysis (3).** *Prerequisite:* ST 390. Quantitative methods such as dynamic programming, game theory, simulation, Bayesian analysis, and such probabilistic models as inventory, Markov, and queuing are covered.
492. **Sampling Techniques (3).** *Prerequisite:* ST 260. The study of statistical sampling and its application in business decision-making and business research.
- Management 495. Business Decision Making (3).** *Prerequisite:* MGT 390. May be counted as a statistics and quantitative methods course. For a course description, see Management 495.
- Marketing 497. Market Research (3).** *Prerequisites:* Senior status and 12 hours of marketing courses. May be counted as a statistics and quantitative methods course. For a course description, see Marketing 497.
499. **Independent Research (3).** *Prerequisite:* The approval of the Department Head. Research will be conducted into an area of "special interest" documented by a thesis-styled research paper.

**DEPARTMENT OF MANAGEMENT (MGT)
AND MARKETING (MKT)**

216 MERRILL HALL

Micheal McCormick: Department Head

MANAGEMENT FACULTY

Professors: S. Granger, Loftin, McCormick, Yunker

Associate Professor: Butler

Assistant Professors: Cobb, Gulbro, Hearn, Marker

Instructors: Borstorff, Davis

MARKETING FACULTY

Professor: Golden

Associate Professor: Milewicz

Assistant Professors: Day, Koehler

Instructor: Herbig

**DESCRIPTION OF COURSES
MANAGEMENT (MGT)**

- 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).
- 301. Principles of Management (3).** *Prerequisite: Junior standing.* A basic course in general management principles and theories. (Formerly MGT 383).
- Psychology 370. Assessment in Organizations (3).** *Prerequisites: PSY 201, 340 or equivalent.* May be counted as a course in the Human Resource Management option. For description, see Psychology 370.
- 372. Organizational Theory (3).** *Prerequisite: MGT 301.* An analysis and development of a general theory of administration which integrates modern interdisciplinary contributions with traditional management theory. (Formerly MGT 472).
- 384. Organizational Behavior (3).** *Prerequisites: PSY 201 and MGT 301.* An in-depth study of people, organizations, and their cultures with an emphasis on communication, leadership, and motivation in order to understand and predict behavior.
- 385. Human Resource Management (3).** *Prerequisite: MGT 301.* Basic principles, philosophies, and applications of personnel administration.
- 386. Supervision (3).** *Prerequisite: MGT 301.* Study of the functions, techniques, and skills required to supervise in manufacturing and service businesses and non-profit organizations.
- 388. Small Business Environment (3).** *Prerequisites: MGT 301 and MKT 301.* An integrating management course that focuses on the special problems and skills related to starting, maintaining and expanding small business in a dynamic environment.
- 389. Advanced Human Resource Mgt (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.
- 390. Production/Operations Mgt (3).** *Prerequisites: ST 260 and MGT 301.* Concepts and techniques for management decisions in production and operations. Lab Fee.
- Business Statistics 390. Quant Business Analysis (3).** *Prerequisite: ST 260.* May be counted as a course in the Management major or Production/Operations Management option. For description, see Statistics 390.

392. **Business and Society (3).** *Prerequisite:* MGT 301. Examination of current problems and issues facing business managers in a changing society. Explores business, government and interest group interrelationships and ethical considerations. (Formerly MGT 492).
410. **Advanced Operations Mgt (3).** *Prerequisite:* MGT 390. An in-depth study of selected topics in production and operations management.
450. **Business Communications (3).** *Prerequisites:* EH 101, 102, 141; *Senior status; keyboarding or typewriting ability.* Principles, procedures, and skills underlying oral and written communications in the field of business (Formerly OA 350).
468. **Wage and Salary Admin (3).** *Prerequisite:* MGT 385. Wage and salary determination including wage policy, job analysis, job evaluation techniques, and methods of compensation.
469. **Business Policy and Strategy (3).** *Prerequisites:* *Senior status and completion of all 300 level CCBA Business Administration 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)
486. **Industrial Mgt. Problems (3).** *Prerequisites:* *Senior status and MGT 390.* Employing an integrative approach, students learn techniques for solving practical problems in industrial management.
489. **Management Practicum (3).** *Prerequisites:* *Senior status and consent of instructor.* Provides the student with practical experience in the management field via an internship arrangement.
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.
- Business Statistics 490. Adv Quant Business Analysis (3).** *Prerequisite:* ST 390. May be counted as a course in the Management major or Production/Operations management option. For description, see Statistics 490.
491. **Management Seminar (3).** *Prerequisite:* *Senior status and MGT 301.* A case course which includes selected readings in current management literature combined with classroom lectures and discussions. Includes supervised and independent student research.
495. **Business Decision making (3).** *Prerequisite:* MGT 390. Computer simulations are used to combine subjective judgment with quantitative methods in a simulated competitive business setting. GPSS computer programming software is used. Lab Fee.
496. **International Management (3).** *Prerequisites:* *Senior status and MGT 301.* Comparative study in managing the international, multinational and national business organization.
499. **Senior Management Research (3).** *Prerequisites:* *Senior status and consent of instructor.* Independent research on a management topic jointly selected by student and instructor, or Small Business Administration case assignment.

MARKETING (MKT)

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. (Formerly MKT 376).

- 361. **Salesmanship and Sales Mgt (3).** *Prerequisite:* MKT 301. A study of the personal selling process. The course focuses on communications, motivation, planning, and practical application of sales techniques. (Formerly MKT 461).
- 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. (Formerly MKT 463).
- 377. **Advertising (3).** *Prerequisite:* MKT 301. Investigation of ideas and concepts used to inform consumers of the availability and attributes of products and services, through impersonal media.
- 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.
- 386. **Promotional Strategy (3).** *Prerequisite:* MKT 301. An intensive investigation of the promotional mix (personal selling, advertising, sales promotions, public relations and publicity) as a means of persuading and influencing consumer activities.
- 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.
- 394. **Retailing (3).** *Prerequisite:* MKT 301. Store layout, location, accounting, personnel, buying, selling, credit policies, and control systems. (Formerly MKT 494).
- 450. **Physical Distribution Mgt (3).** *Prerequisite:* MKT 301. Market forces which influence physical distribution requirements and capabilities, with broader factors such as spatial aspects, geographical forces, physical flow of goods through marketing network alternatives.
- 489. **Marketing Practicum (3).** *Prerequisites:* Senior status, 12 hours of marketing courses and consent of instructor. Provides the student with practical experience in the marketing field via an internship arrangement.
- 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.
- 493. **International Marketing (3).** *Prerequisites:* Senior status and 12 hours of marketing courses. An investigation of entry and operational marketing strategies available for development of international business opportunities. Emphasizes the differences in cultural, political, economic, and business environments.
- 495. **Marketing Management (3).** *Prerequisites:* Senior status and 18 hours of marketing courses. Decision making relative to customers, products, pricing, promotion, physical distribution, and law. Includes ethical considerations in marketing.
- 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)
- 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, or Small Business Administration case assignment.

COLLEGE OF COMMUNICATION AND FINE ARTS

Daniel Marsengill: Dean

DEPARTMENT OF ART (ART)

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

Department Head: Groover

Associate Professors: Gee, Groover, Osterbind, Shaw

Assistant Professors: Henricks, Loucks, Spinelli

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 commercial design.

The Bachelor of Arts degree is a flexible program which includes the university core 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.

The Bachelor of Fine Arts degree is a professional advanced undergraduate curriculum incorporating a studio area of emphasis of 18 hours and study in at least two other studio areas. The B.F.A. degree includes the University Core Curriculum, 90 hours of approved art courses including 18 hours of art history, and 6 hours of foreign language. 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.

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 unusual circumstances to meet specific needs and with approval of the Department Head, may consist of Art 134, 233, 202 and 12 hours of Art 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 expected 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 expected to present a portfolio of their work for faculty review at 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

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch	2
Natural Science/Analysis*	3-5	HY*	3
ART 134, Draw	3	Natural Science/Analysis*	3-5
ART 233, Design	<u>3</u>	ART 234, Draw	3
	15-17	ART 240, Design	<u>3</u>
			17-19

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Natural Science/Analysis*	3-5	Natural Science/Analysis*	3-5
Social/Behavioral Science*	3	Social/Behavioral Science*	3
Studio	3	Fine Arts*	3
ART HY 111	3	Studio	3
Wellness*	<u>3</u>	ART HY 112	<u>3</u>
	18-20		18-20
		PORTFOLIO REVIEW	

JUNIOR YEAR

Fall		Spring	
CS 201, Intro to DP	3	ART HY	3
ART HY	3	Studio	3
Studio	3	Minor/Electives	<u>9</u>
Minor/Electives	<u>6</u>		15
	15		

SENIOR YEAR

Fall		Spring	
Studio	6	Senior Seminar	3
Minor/Electives	<u>9</u>	Studio	3
	15	Minor/Electives	<u>9</u>
			15

TOTAL HOURS: 128-136

*See Core Curriculum

BACHELOR OF FINE ARTS**FRESHMAN YEAR**

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
Natural Science/Analysis*	3-5	EH 141, Spch	2
HY*	3	Natural Science/Analysis*	3-5
ART 134, Draw	3	ART 234, Draw	3
ART 233, Design	3	ART 240, Design	3
	<u>15-17</u>	HY*	3
			17-19

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Natural Science/Analysis*	3-5	Natural Science/Analysis*	3-5
Studio	3	Wellness*	3
ART HY 111	3	ART HY 112	3
ART 340	3	Studio	3
	<u>15-17</u>		15-17

APPLICATION TO BFA PROGRAM**MAY TERM, SUMMER I OR SUMMER II**

Studio	6
	<u>6</u>

JUNIOR YEAR

Fall		Spring	
Social/Behavioral Science*	3	Social Behavioral Science*	3
Foreign Language	3	Foreign Language	3
ART HY	3	ART HY	3
Studio	6	ART 334	3
CS 201, Intro to DP	3	Studio	6
	<u>18</u>		18

MAY TERM, SUMMER I OR II

Studio	6
	<u>6</u>

SENIOR YEAR

Fall		Spring	
ART HY	3	ART HY	3
Studio	12	Studio	9
	<u>15</u>	Senior Seminar	3
			15

TOTAL HOURS: 137-145

*See Core Curriculum

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 Commercial 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. **Water Color (3).** *Prerequisites:* Art 133 and 134. Water color 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.
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).** 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.
429. **Commercial Design II (3).** *Prerequisites:* Art 234, 240, 329. Advanced problems in commercial design and computer graphics.
430. **Commercial Design III (3).** *Prerequisite:* Art 429. Further advanced problems in commercial design and computer graphics.
431. **Advanced Commercial 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.

- 481, 482, 483. **Internship Commercial Design (3) (3) (3).** *Prerequisites:* Art 329, 429, 430, *Senior standing.* Students will receive on-the-job training and experience in an area of their specialization.
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, 497, 498. **Advanced Independent Study (3) (3) (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.
499. **Senior Seminar and Exhibit (3).** Senior seminar and exhibit is required of senior art majors and should 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 résumé. The fruition of this course will be the Senior Exhibit.

DEPARTMENT OF COMMUNICATION (COM)

104 SELF HALL

Carmode: Department Head

Professor: Carmode

Associate Professors: Eoff, Huttenstine

Assistant Professor: Chandler

Instructor: Langston

The Communication curriculum focuses on developing well-rounded communication professionals capable of interpreting and meeting the challenges of an exciting, ever-changing industry. The ability to express oneself is basic to the program and the needs of the industry. Therefore, satisfactory oral and written communication skills are a prerequisite for a major in Communication. Additionally, students enrolled in courses offered by the Department of Communication must have satisfactory keyboard skills. Most written assignments require the use of a typewriter or computer/word processor.

THE BACHELOR OF ARTS DEGREE IN COMMUNICATION is obtained by successfully completing all University requirements as well as 12 hours of the same foreign language (101, 102, 201, 202) and 36 hours of courses in the Department of Communication. Of those 36 hours, 33 are specified: COM 250, 260, 300, 305, 310, 390, 452, 455, 458, 480, and 491 or 494. The remaining three hours must be selected from other courses offered in the Department of Communication. To qualify for a major in Communication, students must first complete COM 250, 260 and 300, as well as EH 101, 102 and 141 with a minimum grade of C. 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 who do not meet these requirements will not qualify for the major in Communication and may be excluded from communication department courses numbered above 300. 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. Nine of those hours are specified: COM 250, 260 and 300. The remaining 12 hours must be selected from among the following: COM 305, 310, 350, 390, 400, 403, 452, 455, 458, 459, 460, 480, 490; JN 201, 301, 302, 303 and 304.

A MINOR IN JOURNALISM consists of completing all University requirements and a minimum of 21 hours in the Department of Communication. Twelve of those hours are specified: COM 250, 310; JN 301 and 303. The remaining nine hours must be selected from among the following: COM 400, 458, 459; JN 302, 304, 305, 306 and 307.

Students may not declare both a major and minor in the Department of Communication.

Students electing COM 491, 494, 495; JN 305, 306 or 307 must apply for admission into those courses **no later than** the preregistration period preceding the semester in which the courses will be taken.

**DESCRIPTION OF COURSES
COMMUNICATION (COM)**

250. **Mass Communication and Society (3).** A survey of the mass media and their relationship with society.
260. **Introduction to Broadcasting (3).** The historical and contemporary aspects of the electronic media, with emphasis on the American broadcast industry.
300. **Broadcast Writing (3).** Script writing for the electronic media, including news and commercial copy writing.
305. **Radio Production (3).** *Prerequisites: COM 250, 260 and 300.* Introduction to audio concepts and production methods, including recording, editing, control room techniques and radio station practices.
310. **Communication Law (3).** *Prerequisite: Permission of the instructor.* Study of the American legal system, including libel, copyright, freedom of the press, and First Amendment issues.
350. **Radio-Television Announcing (3).** Fundamentals of voice and diction applied to on-air delivery. Includes commercials, interviews, news, and ad-lib announcing.
390. **Radio News (3).** *Prerequisite: COM 305.* Techniques of gathering, writing, and producing news for radio. May require news duties for WLJS radio.
400. **Seminar (3).** *Prerequisites: Minimum Junior standing and permission from the Department of Communication.* An interdisciplinary examination of trends and issues in communication. Open to qualified students in any major.
403. **Broadcast Advertising (3).** *Prerequisite: Permission of instructor.* Theory and application of advertising in the broadcast media, including the structure of broadcast advertising, campaign development, audience research, and time sales.
452. **Television Production (3).** *Prerequisite: COM 305.* Organization of television studio, control room, and production personnel. Students will operate equipment and produce/direct television productions.
455. **Television Production and Editing (3).** *Prerequisite: COM 452.* Producing, directing, and videotape editing of TV programs and announcements recorded with portable TV equipment.
458. **Communication Theory (3).** *Prerequisite: Minimum Junior standing and permission of the instructor.* Theoretical aspects of the communication process, including intrapersonal, interpersonal, and mass communication research principles.
459. **Media Ethics (3).** *Prerequisite: COM 250 or permission of instructor.* Ethical foundations of the media, including the interrelationships of the media, the public, and the government.
460. **Broadcast Management (3).** *Prerequisite: COM 260 or permission of instructor.* Principles and practices for management of radio-television stations and cable operations.
480. **Television News Production (3).** *Prerequisites: COM 390 and 455.* Techniques of gathering, writing, and producing news for television.
490. **Television Directing (3).** *Prerequisite: COM 455.* Theory and practice of producing and directing television programs and announcements in a variety of formats.
491. **Internship (3).** *Prerequisites: Communication Major, Senior standing, and Department of Communication approval.* Supervised on-the-job experience with an appropriate non-JSU media facility.

492. **Advanced Media Practicum II (3).** *Prerequisite:* COM 491 or permission of instructor. On-the-job experience in the appropriate mass media facility. Further application of academic experience to practical situations.
493. **Advanced Media Practicum III (3).** *Prerequisites:* COM 491, 492 or permission of instructor. On-the-job experience in the appropriate mass media facility. Further application of academic experience to practical situations.
494. **Practicum (3).** *Prerequisites:* Communication Major, Senior standing, and Department of Communication approval. Supervised practical work experience with a JSU media facility.
495. **Independent Study (3).** *Prerequisites:* Communication Major, Senior standing, and Department of Communication approval. A course designed to permit students to pursue individual interests in communication.

JOURNALISM (JN)

201. **Introduction to Journalism (3).** The general fields of mass communication, especially the rise and growth of journalism in America, with special emphasis on the newspaper.
301. **Beginning Reporting (3).** *Prerequisites:* EH 101, EH 102, Keyboard Skills. Fundamentals of news gathering and news writing, including the more common types of news beats and news stories. Volunteer Chanticleer staff encouraged to enroll.
302. **Beginning Feature Writing (3).** *Prerequisites:* EH 101, EH 102, Keyboard Skills. Theories, techniques, and practice in writing newspaper and magazine feature articles, including biographical and profile stories, travel articles, and personal experience stories.
303. **Fundamentals of Newspaper Writing, Layout, and Editing (3).** *Prerequisites:* EH 101, EH 102, Keyboard Skills. Fundamentals of newspaper production, to include but not limited to practical aspects of copy editing and layout and design as well as skills in seeking, gathering, verifying and communicating information about public affairs.
304. **Yearbook Editing, Layout, and Management (3).** All aspects of the production of a yearbook or annual. Students will assist in production of the Mimosa, including selecting topics; writing, editing and typesetting stories; proofreading; assigning, selecting and cropping photographs; layout and design; writing headlines; organizing a staff; budgeting; and business management and advertising. Photographers also may enroll for credit.
- 305, 306. **Journalism Workshop (3) (3).** *Prerequisite:* Six hours in journalism or equivalent experience. Working closely with the Chanticleer adviser, the student will present substantial, acceptable pieces for publication that demonstrate skill in the areas of journalism — news stories, features, editorials, columns, in-depth reporting, investigative reporting. Students must write at least 1,500 words per week. Students must be approved by the instructor prior to registration.
307. **Journalism Internship (3).** Includes 350 hours of work in a professional newspaper office. The internship will involve supervised work/study in these areas: general overview of the newsroom; news writing and feature writing. Interns should have reached junior or senior status and must have maintained at least a 2.5 GPA. Interns must be approved by the Department of Communication

**BACHELOR OF ARTS
MAJOR: COMMUNICATION**

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch	2
MS 102*, Alg	3	HY*	3
Wellness*	3	Analysis*	3
COM 250, Mass Com	<u>3</u>	COM 260, Intro to Brdcast	<u>3</u>
	15		14

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Natural Science*	4	Natural Science*	4
Social/Behavioral Science*	3	Social/Behavioral Science*	3
Fine Arts Elective*	3	CS 201, Intro to DP	3
COM 300, Brdcast Writing	<u>3</u>	COM 305, Radio Prod	<u>3</u>
	16		16

JUNIOR YEAR

Fall		Spring	
COM 390, Radio News	3	COM 310, Law	3
COM 452, TV Prod	3	COM 455, TV Prod/Edit	3
FL 101	3	FL 102	3
General Elective/Minor	<u>9</u>	General Elective/Minor	<u>6</u>
	18		15

SENIOR YEAR

Fall		Spring	
COM 458, Theories	3	COM Elective	3
COM 480, TV News	3	FL 202	3
FL 201	3	General Elective/Minor	<u>9</u>
General Elective/Minor	<u>7</u>		15
	16		

SUMMER

COM 491 or 494 (Internship)	<u>3</u>
	3

TOTAL HOURS: 128

*See Core Curriculum

DEPARTMENT OF DRAMA (DR)

342 STONE CENTER

Ward: Department Head

Professor: Claeren

Associate Professor: Ward

Assistant Professor: Clements

Requirements for a Bachelor of Arts in Drama: A minimum of forty-three hours, which must include Drama 241, 242, 250, 284, 350, 361, 362, 388, 390, 450, 463, and 490, six hours from the following: 285, 287, 342, and 288 and EH 373, EH 410, and EH 403 or 404.

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 attain 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.
- 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, play-writing, and audience going.
- 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.
- 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.
- 281, 381, 481. **Dramatic Laboratory (1) (1) (1).** Experiments in the basics of acting. Limit 1 hour credit per semester.
- 284. **Stage Crafts (3).** Introduction to physical theatres, scenery construction and painting, properties, lighting and sound.
- 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).
- 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.)
- 342. **Directing (3).** *Prerequisites: Drama 241 and permission of instructor.* Fundamental principles of theatrical directing.
- 343. **Auditioning and Portfolio (3).** Exercises in preparing actors, directors, designers, technical directors and stage managers for auditions and portfolio review.
- 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.
- 354. **Movement for the State (3).** The examination and application of the theories of stage movement and the metakinetic process. Emphasis placed on the development of movement roles within various styles of theatrical production. The imaginative and artistic use of the whole body in the development of acting roles.
- 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.
- 383. **Puppetry (3).** Scope and development of puppetry throughout the world. Practical experience in the design, making, and performing puppets.
- 386. **Stage Lighting (3).** Principles and problems of lighting for mood and effect in play production.

387. **Stage Make-up. (3).** Creation of straight, character, middle-age, old-age, beards, rubber prosthesis, and stylized make-up to aid the actor.
388. **Stage Costume History (3).** History of costume as to styles, period fabrics, construction, and movement for theatrical performance.
389. **Sound Effects for the Performing Arts (3).** Production and design of sound effects, microphone selection and placement, recording techniques and equipment.
390. **Speech for the Performing Arts (3).** A course designed to improve diction, pronunciation, accent, reading and intonation.
391. **Scene Painting (3).** Techniques of scene painting to include drop painting, perspective illusion, lighting consideration, budget and equipment.
398. **Costume Techniques (3).** Basics of construction of stage costumes; alteration and repair of existing costumes and the implementation of professional costume shop practices.
441. **Acting II (3).** Advanced acting scenes and problems of various periods.
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.
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.
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. (Offered in alternate fall semesters only - See Drama Advisor.)
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.
465. **Musical Theatre (3).** A historical study of musical theatre in America from 1735 to the present. Emphasis is on theme, composers, performers, producers, and choreographers.
475. **Special Problems in Drama (3).** *Prerequisites: Successful completion of 24 hours of drama or enrolled in Language Arts.* Individually designed and supervised research projects or production assignments.
486. **Stage Lighting II (3).** Advanced lighting techniques and design problems. *Prerequisite: Drama 386.*
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.
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.
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.*

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

Fall		Spring	
EH Comp 101	.3	EH Comp 102	.3
HY*	.3	EH 141, Spch	.2
Analysis*	.3	HY*	.3
Fine Arts Elective**	.3	Analysis	.3
DR 242, Intro	.3	DR Elective	.3
	<u>15</u>		<u>14</u>

SOPHOMORE YEAR

Fall		Spring	
Literature*	.3	Literature*	.3
Natural Science*	4-5	Natural Science*	4-5
Social/Behavioral Science*	.3	Social/Behavioral Science*	.3
DR 284, St Craft	.3	DR 390	.3
DR 241, Act	.3	DR 350, Theatre	.1
DR 250, Theatre	.1	Minor/Elective	.3
	<u>17-18</u>		<u>17-18</u>

JUNIOR YEAR

Fall		Spring	
Wellness*	.3	Elective	.3
DR 361, HY	.3	DR 450, Theatre	.1
CS 201, Intro to DP*	.3	DR 362, HY	.3
Minor/Electives	.6	Minor/Electives	.3
DR 388	.3	Minor/Electives 300 +	.3
	<u>18</u>	EH 373, Cont. DR	.3
			<u>16</u>

SENIOR YEAR

Fall		Spring	
DR 463	.3	Drama Elective	.3
Minor/Electives	.7	Minor/Electives 300 +	.9
EH 410	.3	EH 403 or 404	.3
Elective	.3	DR 490	.1
	<u>16</u>		<u>16</u>

TOTAL HOURS: 129-131

*See Core Curriculum

**Fine ART Other Than Drama

**DEPARTMENT OF MUSIC (MU)
201 MASON HALL**

Accredited by the National Association of Schools of Music

Fairleigh: Department Head

Professors: Armstrong, Davis, Fairleigh,

Marsengill, Merriman, Roberts

Associate Professors: Anderson, Brown, McBride

Assistant Professors: Parker, Dobbins, Francis

Instructors: Culver, Fields, Tyler

The Department of Music offers a Bachelor of Music Education, a Bachelor of Music degree with major in Performance, and a Bachelor of Arts degree in Music with a required minor in an academic area outside of music. The Bachelor of Music Education fulfills the requirements for the special professional certificate to teach music in the public schools in Alabama on both the elementary and secondary levels. The Bachelor

of Music degree with major in Performance allows a student to stress various music subjects in preparation for a career in professional performance. The B.A. degree in Music with a non-music minor offers a program designed for the study of music within a liberal arts curriculum.

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 curriculum outlines on following pages for B.A., the B.M.E., and the B.M. degrees.

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	3
Music 104, 105 (Concerts and Recitals)	2
Ensemble (3 semesters)	3
Total	25

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 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 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. Students selecting the B.M.E. degree or the B.A. degree with a major in music and a minor in a non-music area must take the series of individual applied music courses numbered 134 through 335 (2 hours credit each).

Students selecting the Bachelor of Music degree in music performance will complete their initial four semesters of individual applied music under the same series of courses (134 through 235). At the end of the fourth semester, each student in this program will be examined by faculty members within his/her applied area. Upon their positive recommendation, he/she will be permitted to register in Music 336 through 437, for which four hours credit is awarded per semester.

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 (1 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). Applied Music, instrumental or vocal, for the primary, applied area of music majors and minors. Lab fee.

336 Through 437. (4 each semester). Applied Music, instrumental or vocal. These courses are designed to meet the needs of the students wishing to prepare themselves for performance careers. Only juniors and seniors selecting the B.M. degree in music performance will be permitted to register in this applied sequence. Each of these courses involves intensive study of the concepts and techniques, music literature, and other facets demanded of today's professional performer. Each week the student will attend a one-hour private lesson; do independent study involving score reading, and record study; and do extensive public performance. In addition, all students will meet weekly for Applied Music Seminar and weekly for repertoire class. 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 Frerling, Barret, Andraud, and others. Repertoire of all historical periods, including Handel *Sonatas and Concerti Grossi* Nos. 8, 9, and 10; Schumann Romances, Op. 94; Marcello Concerto in C minor; Hindemith Sonata; Nielsen *Fantasy Pieces*, Op. 2; and others. Excerpts from orchestral and band repertoire.

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

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

- 160, 161. **Class Voice (1) (1).** Lab fee.
- 170, 171. **Class Piano (1) (1).** Lab fee.
- 260. **Class Guitar (1).** Lab fee.
- 270, 271. **Keyboard Harmony and Accompaniment (1) (1).** Lab fee.
- 280. **Class Woodwinds (1).** Lab fee.
- 281. **Class Brass (1).** Lab fee.
- 290. **Class Strings (1).** Lab fee.
- 291. **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, 236, 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.
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.
410. **Opera Literature (3).** *Prerequisite: Senior standing.* A continuation of MU 409.
411. **Music History and Literature (3).** 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 (3).** *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.

416. **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. Solo literature of each instrument as well as literature for the small brass ensemble of both heterogeneous and homogeneous instrumentation will be examined and discussed. Available recordings and corollary readings will supplement class discussions.
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.
420. **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. Solo literature of each instrument as well as literature for the small woodwind ensemble of both heterogeneous and homogeneous instrumentation will be examined and discussed. Available recordings and corollary readings will supplement class discussion.
428. **Piano Literature I (3).** *Prerequisite:* Music 412. A survey of piano repertoire from the early Baroque era through the Classic period.
429. **Piano Literature II (3).** *Prerequisite:* Music 412. A survey of piano repertoire from the early Romantic Period 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.
439. **Percussion Methods (3).** A survey of percussion materials for the public school or college teacher. Etudes and special studies for each instrument 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.
491. **Seminar in Composition (3).** *Prerequisites:* Music 202, 212, and permission of instructor. Independent study in the art of composition.

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.

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.
471. **Elementary Music Materials and Methods (3).** Methods, materials, and problems of teaching general music. Grades N-6.
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.
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.
- 117, 118,
217, 218,
317, 318
417, 418. **A Cappella Choir (1 each semester).** Three rehearsals per week and all performances. The primary objective of the a cappella choir is artistic performance of fine choral literature. The literature is selected from all periods and schools of composition. Emphasis is placed upon extensive exploration of choral literature, a valuable asset to the student who plans to teach choral music.
- 151, 152
251, 252,
351, 352,
451, 452. **Lyric Theatre Workshop (2 each semester).** A performance oriented course including the study and public presentation of scenes and/or complete works for the music theatre.
- 121, 122, 221, 222, 321, 322, 421, 422,
158, 159, 258, 259, 358, 359, 458, 459.
162, 163, 262, 263, 362, 363, 462, 463.
164, 165, 264, 265, 364, 365, 464, 465.
168, 169, 268, 269, 368, 369, 468, 469.
172, 173, 272, 273, 372, 373, 472, 473.
176, 177, 276, 277, 376, 377, 476, 477.
178, 179, 278, 279, 378, 379, 478, 479.
182, 183, 282, 283, 382, 383, 482, 483.
188, 189, 288, 289, 388, 389, 488, 489. **Mallet Ensemble (1 each semester).**
Trombone Ensemble (1 each semester).
Chamber Singers (1 each semester).
Saxophone Choir (1 each semester).
Percussion Ensemble (1 each semester).
Brass Choir (1 each semester).
Clarinet Choir (1 each semester).
Jazz Ensemble (1 each semester).
Duo: Any Instrument (1 each semester).
Miscellaneous ensemble of Three or More (1 each semester).
- 192, 193,
292, 293,
392, 393,
492, 493. **Band (1 each semester).** Three rehearsals per week. Playing in the band gives the student an opportunity to become acquainted with standard band literature and offers experience in both the concert and marching bands. Band may be used as an elective in any curriculum.
- 194, 195, 294, 295, 394, 395, 494, 495. **Show Choir (1 each semester).**
- 196, 197,
296, 297,
396, 397,
496, 497. **Chorus (1 each semester).** Two hours a week minimum requirement. Open to all students. The chorus usually performs one concert each semester.
- 198, 199, 298, 299, 398, 399, 498, 499. **Marching Ballerinas (1 each semester).**

BACHELOR OF MUSIC EDUCATION

Teaching Field: Music

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	.3	EH Comp 102	.3
BY 101*, Intro	.3	BY 102*, Intro	.3
BY 103*, Lab	.1	BY 104*, Lab	.1
PE 109	.3	EC 222*	.3
MU 101, Theory	.3	MU 102, Theory	.3
MU 111	.1	MUS 112	.1
MU 134 ¹ , Appl.	.2	MU 135 ¹ , Appl.	.2
MU 104	.1	MU 105	.1
Large Ensemble ²	.1	Large Ensemble ²	.1
MU 170 ³	.1	MU 171 ³	.1
	<u>19</u>		<u>19</u>

SOPHOMORE YEAR

Fall		Spring	
Literature (201 or 202)*	.3	Literature (301 or 302)*	.3
MS 102*, Alg	.3	MS 103 or above*	.3
HY*	.3	HY*	.3
EH 141*, Spch	.2	CS 100*	.1
MU Theory 201	.3	MU Theory 202	.3
MU 211	.1	MU 212	.1
MU 234 ¹ , Appl.	.2	MU 235 ¹ , Appl.	.2
MU 204	.1	MU 205	.1
Large Ensemble ²	.1	Large Ensemble ²	.1
	<u>19</u>	Class Applied ⁴	.1
			<u>19</u>

JUNIOR YEAR

Fall		Spring	
Social/Behavior Science*	.3	PHS 332, MU	.3
SPE 300, Survey	.3	EPY 429 or MEd 443 ⁵	.3
MU 260	.1	MED 471	.3
MU Theory 301	.2	MU Theory 302	.2
MU 304	.1	MU 305	.1
MU 334 ¹ , Appl.	.2	MU 335 ¹ , Appl.	.2
MU 411	.3	MU 412	.3
MU 210	.2	MU 300	.0
Large Ensemble ²	.1	Large Ensemble ²	.1
Class Applied ⁴	.1	Class Applied ⁴	.1
	<u>19</u>		<u>19</u>

SENIOR YEAR

Fall		Spring	
MED 481	.3	MED 487 ⁶	.9
EPY 429 or MED 444 ⁵	.3	ED 431	.3
EED 342 or 383	.3	EPY 332, ED PSY	.3
DR 242 or ART 202	.3		<u>15</u>
Class Applied ⁴	.1		
MED 442	.3		
Small Ensemble	.1		
Large Ensemble ²	.1		
	<u>18</u>		

TOTAL HOURS: 147

*See Core Curriculum

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 band, a cappella choir, and chorus. Any deviation in the selection of large 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.

⁴Students with an area of concentration in instrumental music will elect a minimum of three semester hours from the class applied courses listed under Group One; those with an area concentration in vocal/choral music will elect a minimum of three semester hours from the class applied courses listed under Group two.

BACHELOR OF ARTS MAJOR: MUSIC

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
Natural Science*	4	EH 141, Spch	2
MU Theory 101	3	Natural Science*	4
MU 111	1	MU Theory 102	3
MU 134 ¹ , Appl	2	MU 112	1
MU 104	1	MU 135 ¹ , Appl	2
Required Ensemble ²	1	MU 105	1
	15	Required ensemble ²	1
			17

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Analysis*	3	Analysis*	3
HY*	3	HY*	3
MU Theory 201	3	MU Theory 202	3
MU 211	1	MU 212	1
MU 234 ¹ , Appl	2	MU 235 ¹ , Appl	2
MU 204	1	MU 205	1
Required Ensemble ²	1	Required Ensemble ²	1
	17		17

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, Intro to D.P.	3	MU 300	0
MU Theory 301	2	MU Theory 302	2
MU 210	2	MU 335, Appl	2
MU 334 ¹ , Appl	2	MU 305	1
MU 304	1	Minor/Elective ³	5
Ensemble Elective	1	Ensemble Elective	1
	17		17

GROUP ONE

Music 280 Class Woodwinds
Music 281 Class Brass

Music 290 Class Strings
Music 291 Class Percussion

GROUP TWO

Music 160 Class Voice
Music 161 Class Voice

Music 270 Keyboard Harmony & Accompaniment
Music 271 Keyboard Harmony & Accompaniment

⁵Students 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).

⁶Education courses must be taken over a period of at least 3 semesters. No student will be admitted to the Professional Semester (the semester containing student teaching and the block courses) unless he/she has completed 2 semesters in education courses prior to registering for the Professional Semester.

SENIOR YEAR

Fall		Spring	
Minor/Electives ³	9	Minor/Electives ³	9
MU 411, HY	3	MU 412, Hy	3
Wellness*	3	PHS 332	3
Ensemble Elective	<u>1</u>	Ensemble Elective	<u>1</u>
	16		16

TOTAL HOURS: 132

*See Core Curriculum

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, 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 23 hours listed as electives.

BACHELOR OF MUSIC
MAJOR: PERFORMANCE
(PIANO, VOCAL, BRASS, WOODWIND, PERCUSSION)

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	HY*	3
Natural Science*	4	Natural Science*	4
MU Theory 101	3	MU Theory 102	3
MU 111	1	MU 112	1
MU 104	1	MU 135 ¹ , Appl	2
MU 134 ¹ , Appl	2	MU 105	1
Required Ensemble ²	<u>1</u>	Required Ensemble ²	<u>1</u>
	18		18

SOPHOMORE YEAR

Fall		Spring	
EH 141, Spch	2	Literature*	3
Literature*	3	Analysis*	3
Analysis*	3	Social/Behavioral Science*	3
Social/Behavioral Science*	3	MU Theory 202	3
MU Theory 201	3	MU 212	1
MU 211	1	MU 210, Cond.	2
MU 234, Appl	2	MU 235 ¹ , Appl	2
MU 204	1	MU 205	1
Required Ensemble ²	<u>1</u>	Required Ensemble ²	<u>1</u>
	19		19

JUNIOR YEAR

Fall		Spring	
Foreign Language (FH or GN Only)	3	Foreign Language (FH or GN Only)	3
C.S. 201, Intro to D.P.	3	Wellness*	3
MU Theory 301	2	MU Theory 302	2
MU 336 ¹ , Appl.	4	MU 337 ¹ , Appl.	4
MU 304	1	MU 305	1
Ensemble Electives ³	1	Ensemble Electives ³	1
MU 113 ⁴	2	MU 114 ⁴	2
Music electives	2	Music Electives	2
	18	MU 300	0
			18

SENIOR YEAR

Fall		Spring	
PHS or MU 332	3	MU Electives	3
MU 411 Hy	3	MU 412 Hy	3
MU 436 ¹ , Appl.	4	MU 437 ¹ , Appl.	4
Ensemble Elective ³	1	Ensemble Elective ³	1
MU Lit. & Spec. Methods ⁵	6	MU Lit. & Spec. Methods ⁵	6
	17	MU 400	0
			17

TOTAL HOURS: 144

*See Core Curriculum

¹Individual applied music must be studied each semester for eight semesters in the same area (voice, piano, clarinet, etc.). During each of the first four semesters, two hours credit will be awarded for applied study. At the end of the fourth semester, each student will be examined by faculty members within his/her applied area. Upon their positive recommendation, he/she will be permitted to register in Music 336-437, for which four hours credit is awarded per semester.

Before completion of the sixth semester of applied study, each student will present a junior recital of approximately 25-30 minutes which may be performed in partnership with other recitals. In the eighth and final semester of applied study, he/she will present a senior recital of approximately 50-60 minutes. To aid the student in preparing for this final project, the Music Department offers a special senior seminar under the guidance of the applied music instructor.

STUDENTS WILL AUDITION DURING THEIR FINAL EXAMINATION IN APPLIED MUSIC 235 FOR ADMISSION TO THE PERFORMANCE CURRICULUM.

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, 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.

³Piano Performance majors will complete their ensemble electives by registration under Duo (4 hrs. credit to be selected from MU 182, 183, 282, 283, 382, 383, 482, 483). Duo credit for piano majors will be given for studio or ensemble accompanying only.

⁴All performance majors except piano majors will elect piano as their secondary applied area. Every student who majors in performance must pass a piano proficiency examination which will be administered by the piano faculty and which may be taken at any time during the students undergraduate study.

⁵Courses in specialized methods and literature are identified according to the area of performance as indicated below:

Piano performance	Music 270, 271, 320, 332, 428, 429
Vocal Performance	Music 141, 142, 408, 409 or 410, 430
Brass Performance	Music 415, 416, 432, 433
Woodwind Performance	Music 419, 420, 432, 433
Percussion Performance	Music 432, 433, 438, 439

ALBERT P. BREWER COLLEGE OF CRIMINAL JUSTICE

126 BREWER HALL

Thomas Barker, Dean

Professor: Barker

Associate Professor: Wood

Assistant Professors: Hunter, Rush

Instructors: Benson, Smith

CRIMINAL JUSTICE MAJOR

The College 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 them 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

To receive a Bachelor of Science Degree with a major in Criminal Justice the student must successfully complete one hundred twenty-eight (128) hours in university courses. Forty-nine (49) hours must be earned in approved courses within the Undergraduate Core Curriculum. Twenty-one (21) hours must be earned within the Criminal Justice Core Curriculum. Twenty-one (21) hours must be earned within a Criminal Concentration. Eighteen (18) to twenty-one (21) hours will be required within a minor of the student's choice.

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.

College 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 311	Correctional Techniques	3 hours
COR 315	Community-Based Corrections	3 hours
COR 495	Senior Seminar	3 hours
	+ 9 hours of COR electives	

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
FI 495	Senior Seminar	3 hours
	+ 9 hours of FI electives	

Law Enforcement Concentration 21 hours.

LE 370	Police Administration	3 hours
LE 402	Police and Community Relations	
LE 460	Criminal Investigations	3 hours
LE 495	Senior Seminar	3 hours
	+ 9 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
SA 495	Senior Seminar	3 hours
	+ 9 hours of SA electives	

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

MINORS

College 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 additional CJ concentration, the study may obtain a minor in that area, or they may obtain a minor outside the college.

Students from outside the College 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 minoring in Law Enforcement, Corrections, Forensic Investigations or Security Administration are not required to take the Senior Seminar mandated for majors concentrating in those areas.

Students from outside the College 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 (except for 495).

Students from outside the College of Criminal Justice who are students 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*	3	EH 141, Spch	2
Natural Science/Analysis*	3-4	HY*	3
CJ 101, Intro	3	Natural Science/Analysis*	3-4
Fine Arts Elective*	3	CJ 200, Intro Corr.	3
	15-16		14-15

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Natural Science*	4	Natural Science*	4
SY 221, Prin	3	PSY 201, Prin	3
CJ 202, Intro LE	3	FI 202 or SA 203	3
CS 201, Intro to DP	3	CJ 300, Theory	3
	16		16

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		15
Concentration (COR, FI, LE, SA)	6		
General Electives/Minor	3		
	18		

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

*See Core Curriculum

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.* 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, 489, 490, 491, 492, 493. **Seminar Series (1 hours each).** Seminar series dealing with current topics and issues in the field. No more than 6 hours credit may be earned.

LAW ENFORCEMENT (LE)

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. (Not open to in-service personnel.)
- 482, 483, 484. **Independent Study (1 hour each).** 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 instructor and Dean.
- 485, 486, 487. **Advanced Seminar in LE (3) (3) (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.
495. **Senior Seminar (3).** *Prerequisites:* Senior standing, CJ 101, 202, LE 370, 402, 460, and consent of instructor. Capstone course utilized to assess the student's knowledge and understanding of issues and problems within the field of Law Enforcement. Required of all students specializing in Law enforcement.

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.

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

473, 473. 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.

482, 483, 484. Independent Study (1) (1) (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 instructor and Dean.

485, 486, 487. Advanced Seminar in Corrections (3) (3) (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.

495. Senior Seminar (3). *Prerequisites:* Senior standing, CJ 101, 200, COR 310, 311, 315 and consent of instructor. Capstone course utilized to assess the student's knowledge and understanding of the issues and problems within the field of Corrections. Required of all students specializing in Corrections.

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.
- 482, 483, 484. **Independent Study (1 hour each).** 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 instructor and Dean.
- 485, 486, 487. **Advanced Seminar (3) (3) (3).** An in-depth study of current issues in forensic investigations. The content will vary each semester. Instructor approval required for admission.
495. **Senior Seminar (3).** *Prerequisites:* Senior standing, CJ 101, FI 201, 430, 463 and consent of instructor. Capstone course utilized to assess the student's knowledge and understanding of the issues and problems within the field of Forensic Investigations. Required of all students specializing in Forensic Investigations.

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.
- 482, 483, 484. **Independent Study (1 hour each).** 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 instructor and Dean.
- 485, 486, 487. **Advanced Seminar (3) (3) (30).** An in-depth study of current issues in Security Administration. The content will vary each semester. Instructor approval required for admission.
495. **Senior Seminar (3).** *Prerequisites:* Senior standing, CJ 101, SA 203, 395, 406 and consent of instructor. Capstone course utilized to assess the student's knowledge and understanding of the issues and problems within the field of Security Administration. Required of all students specializing in Security Administration.

COLLEGE OF EDUCATION

Robert Hymer: Dean
William A. Medley: Associate Dean

Accredited By:
The National Council for Accreditation of Teacher Education

Member Of:
The American Association of Colleges for Teacher Education
The Teacher Education Council of State Colleges and Universities
The Alabama Association of Colleges for Teacher Education

The College of Education offers programs that are fully accredited by the National Council for Accreditation of Teacher Education (NCATE), the National Association of State Directors of Teacher Education and Certification (NASDTEC), and the Alabama State Board of Education. These programs lead to the Bachelor of Science degree in Education and Alabama Class B professional certification. (Consult the College of Graduate Studies Bulletin for programs leading to the Master of Science degree in Education, the degree of Educational Specialist and Class A and AA certification.)

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 qualify for a certificate, 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.

Teacher Education Programs Offered

The College of Education offers the following undergraduate degree programs that lead to an Alabama Class B - Professional Teaching Certificate:

EARLY CHILDHOOD EDUCATION DEGREE PROGRAM (Grades: N thru 3)
(Note: a single comprehensive field degree)

ELEMENTARY EDUCATION DEGREE PROGRAM (Grades: 1 thru 6)
(Note: a single comprehensive field degree)

SINGLE COMPREHENSIVE TEACHING FIELD DEGREE PROGRAMS
(Grades: N thru 12)

French	Spanish
German	Special Ed. - Emotional Conflicted
Music - Instrumental	Special Ed. - Mentally Retarded
Music - Vocal/Choral	Special Ed. - Hearing Impaired
Physical Education	

SINGLE COMPREHENSIVE TEACHING FIELD DEGREE PROGRAMS

(Grades: 7-12)	
General Science	Social Science
Home Economics	Mathematics
Language Arts	

DUAL TEACHING FIELDS DEGREE PROGRAMS (Grades: 7 thru 12)

Biology	Health Education
English	History
French	Mathematics
German	Spanish

NOTE: Education degrees require teaching field(s) in lieu of majors/minors. Teaching fields vary from 27 to 63 semester hours. Degree total hours vary from 128 to 144 semester hours depending on the teaching field(s) selected.

MIDDLE SCHOOL (4-8) CERTIFICATION

For holders of either an Alabama Class B - Elementary Professional Certificate or a Class B - Professional Secondary Certificate, a middle school endorsement is available in the following teaching fields:

Biology	Language Arts
English	Mathematics
History	Science
Home Economics	Social Science

Admission to the Teacher Education Program

To enroll for professional education courses required for Alabama teacher certification, the prospective teacher must be admitted to the College of Education's 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.

Although students may indicate in the freshman year an interest in teacher education and should seek advisement accordingly, they do not make a formal application until the second semester of the sophomore year. Students may obtain from the Office of Education, Ramona Wood Hall, Room 207, the necessary application forms to enroll in courses in professional education. These forms are to be completed and returned to the same office, preferably six months prior to the semester in which the student desires to enroll in education courses.

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

The courses are as follow: (*)

- (1) SPE 300—may be taken by students in all programs.
- (2) EPY 331—may be taken by early childhood education and elementary education students.
- (3) EPY 431—may be taken by students in 7-12 programs.
- (4) EPY 429—may be taken by students in N-12 programs (junior standing or ABOVE)
- (5) HED 461—may be taken by students enrolled in Family and Consumer Sciences.

In addition to the six hours of humanistic and behavioral science courses listed above, 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 Director of Advisement and Certification, College of Education, Ramona Wood Hall, Room 207.

(*)These courses may be taken during the sophomore or junior year and must be taken only at a senior college or university with an accredited teacher education program.

Requirements for Undergraduate Admission:

Admission to programs in teacher education is competitive. 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 Certification Office or in the appropriate Departmental Office. Students who qualify will be admitted as long as there are openings available in the desired program.

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 beginning collegiate studies in the fall of 1989 and thereafter 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 300 on the Basic Skills Test (BST) required by the State of Alabama. Registration Forms are available in the Certification Office, Room 207, Ramona Wood Hall.* This state exam should be taken after completion of English 101 and 102 and Math 102.
4. The student must have earned a passing score on the College Base Exam required by Jacksonville State University. Registration forms are available in the Assessment Office, Room 216, Ayers Hall.
5. The student must have received a grade of "C" or above in the introductory speech course, English 141, or its equivalent from another institution.
6. The student must have submitted three (3) written recommendations from professors in the general studies' area. Forms are available in Room 207, Ramona Wood. (This applies to students who began collegiate studies in the Fall of 1991 and thereafter).
7. The applicant must have classroom observation at the level and in the teaching area in which he/she is seeking a degree or certification. At present, a minimum of two school days, or if broken down into smaller units of time, ten (10) hours minimum is required. Forms are available for verification of experience in Room 207, Ramona Wood.
8. The applicant must satisfactorily pass an interview to provide information of the applicant's personality, interests, and aptitudes consistent with the requirements for successful teaching. The interview is normally done when formal application for admission to the Teacher Education Program is made.*

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 Advisement/Certification Office, 207 Ramona Wood Hall.

Practicum Requirements

In addition to classroom observation as set forth in 8. above, the Alabama State Department of Education has mandated that the 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.

Retention and the 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: March 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 Room 204, Ramona Wood Hall.

*If the applicant earned college credit prior to June 1, 1977, the applicant is exempt from this requirement.

**Students beginning collegiate studies prior to the fall of 1989 must have an overall grade point average of 2.25.

Eligibility requirements for the Internship Semester:

- A. The student must possess senior status, i.e., a minimum of ninety-six (96) semester hours of earned credit.
- B. The student must have completed the pre-student teaching observation.
- C. The student must have completed the appropriate junior level education courses. (See Sections F, G, H, and I.)
- D. The student beginning collegiate studies in the fall of 1989 and thereafter 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
- E. The intern shall not be enrolled in other courses during the normal operational hours of the schools where the internship is being completed.
- F. In secondary education programs, the student must have completed a minimum of:
 - 1. Fifteen semester hours of non-teaching field professional education courses, including ESE 382, 383, 404, 484, EPY 442, and specialized method course(s).
 - 2. Seventy-five percent of the total semester hours required in each teaching field.
- G. In N-12 programs, the student must have completed a minimum of:
 - 1. Eighteen semester hours of non-teaching field professional education courses, including nine semester hours in the "Curriculum and Teaching, Media" category and the appropriate evaluation course.
 - 2. Seventy-five percent of the total semester hours required in the teaching field.
- H. In the early childhood education program, the student must have completed at least 75% (i.e., 14 courses) of professional education courses of the program exclusive of the internship semester block. The following must be included among the 14 courses: EED 341, 343, 362, 405, ECE 401, HED 352 and the junior block courses.
- I. In the elementary education program, the student must have completed at least 75% (i.e., 14 courses) of professional education courses of the program exclusive of the internship semester block. The following must be included among the 14 courses: EED 341, 343, 362, 405 and the junior block courses.

Graduation and Certification**Requirements for recommendation for a degree in education:**

- A. The student must have met all requirements of the degree programs as outlined in the catalogue, including the completion of prescribed practicum experiences.
- B. In addition, the student must have maintained a 2.50 grade-point average in all hours attempted in all of the areas enumerated above D under the section entitled Retention and the Internship Semester.*
- C. The student is to complete the degree program in education within four years after admission to the Teacher Education Program. Failure to do so may result in a change of the requirements for graduation.

Requirements for Alabama Certification:

- A. The student, during his/her last semester of course work, is to obtain an application form for certification from the Certification Secretary, Room 207, Ramona Wood Hall. A \$20.00 certificate fee (money order or cashier's check made payable to the Alabama State Department of Education), which is forwarded with the student's credits to the State Department of Education, should accompany the application. A person may be issued as many certificates as he/she is eligible to receive, but each certificate applied for requires a \$20.00 fee. Upon completion of

*Students beginning collegiate studies prior to the Fall of 1989 must have an overall grade point average of 2.25.

the appropriate courses of study which lead to the desired certificate, 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 issuance of an initial Class B Alabama teacher's certificate, the candidate who begins collegiate studies in the Fall of 1989 and thereafter, must earn a passing score on a comprehensive 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. For additional information regarding the policies and regulations of the Alabama State Department of Education governing the issuance, renewal, reinstatement of certificates, or adding additional teaching field endorsements, contact Director of Advisement and Certification, College of Education, Ramona Wood Hall, Room 207.
- E. 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 by instructions from the State Department of Education.

DEPARTMENT OF CURRICULUM AND INSTRUCTION

312 RAMONA WOOD HALL

Harper: Acting Department Head

Professors: Armstrong, Brown, Easterbrooks, Frith, Medley, Mims, Roy, Walker

Associate Professors: Engley, Lowry, Williams

Assistant Professors: Harper, Yohe

EARLY CHILDHOOD EDUCATION (ECE)

The ECE curriculum is for students seeking certification in N-3.

DESCRIPTION OF COURSES

- 303. **Early Literacy I (3).** An introduction to emerging literacy in young children from various cultural backgrounds and the historical aspects of early childhood education. Practicum included.
- 304. **Early Literacy II (3).** Materials and methods of teaching literacy in early childhood. Language arts, reading, assessment, and evaluation in early childhood will be emphasized. Practicum included.
- 305. **Creative and Mental Development I (3).** Early development of play, story telling, music, movement, and drama. Use of puppets, plays, and story telling. Practicum included.
- 306. **Creative and Mental Development II (3).** The early development of the visual arts, cooking and nutrition. Assessing cognitive development and creativity. Special problems relating to young children. Practicum included.
- 307. **Assessment of Young Children (3).** Review developmentally appropriate assessment of young children. Included will be reviews of portfolios, standardized tests, anecdotal records and observations, and behavioral rating scales.
- 375. **Creative Activities (3).** Exposure of creative methods in teaching the curriculum for elementary children in all areas including drama, art, movement, storytelling, writing.

*Applies to students beginning collegiate studies in the fall of 1989 and thereafter.

401. **Curriculum Design for Early Childhood Education (3).** An overview of a daily school schedule, room arrangement, curriculum materials and implementation of a balanced program.
402. **The Culturally Different (3).** An overview of teaching children from various cultural backgrounds. Emphasis on specialized teaching methods and materials.
460. **Internship in ECE (3).** Student teaching in grades N-3 under the supervision of a cooperating teacher and a university supervisor. The education degree candidate is required to take a minimum of 12 hours internship and should consult an academic advisor about scheduling.

EARLY CHILDHOOD EDUCATION**FRESHMAN YEAR**

Fall		Spring	
EH 101, Composition	3	EH 102, Composition	3
HY*	3	EH 141, Speech	2
MS 102*, Algebra	3	HY*	3
IS 226 & 226 L, Phy. Sci. for Educ. I* .	4	MS 133 Math Concepts	4
PE 109*	3	IS 227 & 227 L, Phy. Sci. for Educ. II* .	4
	16	CS 100, Intro to Computers	1
			17

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
ART 202, MU 233, or DR 242	3	PSY 201, SY 221, PSC 100, GY 120, or	
IS 228, & 228 L, Bio Sci. for		AN 224	3
Education III*	4	EC 222, Economics	3
MS 134, Math Concepts	4	FCS 352, Child Gr. & Dev	3
SPE 300, Survey	3	EIM 311, Academic Tech	3
	17	Gen. or Concentration Elec.**	3-4
			18-19

JUNIOR YEAR

Fall		Spring	
ECE 303, Early Literacy I	3	EED 339, Integrated Theory &	
ECE 304, Early Literacy II	3	Practice	3
ECE 305, Creative & Mental		EED 342, Dev. Literacy	3
Development I	3	EED 344, Dev. Language Skills	2
ECE 306, Creative & Mental		EED 421, Effective Tchg. Strat.	2
Development II	3	EPY 332, Educ. Psychology	2
EH 348, Composition & Spch	3	Concentration Elective**	3
Concentration Elective**	3		15
	18		

SENIOR YEAR

Fall		Spring	
EED 362, Tchg. Science for Children .	3	ECE 460, Internship	12
EEd 343, Curr. Integ. in Tchg. Soc.			12
Studies	3		
EED 341, Tchg. Math for Children . .	3		
EED 405, Contemp. Issues	3		
ECE 307, Assessment of Young			
Children	3		
EIM 312, Children's Lit	3		
	18		

Grand Total 131-132

*See Core Curriculum. ECE & EED students are advised to take the complete IS 226, 227, 228 sequence OR the traditional CORE sequence which includes 8 hours in Natural Science plus 3 hours in Physical Science. See Academic Advisor.

**Concentration by Advisement

ELEMENTARY EDUCATION (EED)

The EED curriculum is for students seeking certification in grades 1-6.

DESCRIPTION OF COURSES

- 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. **Developing Literacy (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. **Literacy in Learning (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.
- 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 1-6 under the supervision of a co-operating teacher and a university supervisor. The education degree candidate is required to take a minimum of 12 hours internship and should consult an academic adviser.

Note: Many EED courses have practicum requirements. See appropriate faculty for details.

ELEMENTARY EDUCATION

FRESHMAN YEAR

Fall		Spring	
EH 101, Comp	3	EH 102, Comp.	3
HY*	3	EH 141, Speech	2
MS 102*, Algebra	3	HY*	3
IS 226 & 226 L, Phy. Science for		MS 133, Math Concepts	4
Educ. I*	4	IS 227 & 227 L, Phy. Science for	
PE 109*	3	Educ. II	4
	16	CS 100, Intro to Computers	1
			17

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
ART 202, MU 233, or DR 242	3	PSY 201, SY 221, PSC 100, GY 120,	
IS 228 & 228 L, Bio. Science for		or AN 224	3
Educ. III*	4	EC 222, Economics	3
MS 134, Math Concepts	4	EPY 331, Child Psy	3
SPE 300, Survey	3	EIM 311, Academic Tech	3
	17	Gen. or Concentration Elec.**	3-4
			18-19

JUNIOR YEAR

Fall		Spring	
EED 339, Integrated Theory &		EED 354, Literacy & Learning	3
Practice	3	EED 362, Tchg. Science for Children	3
EED 342, Dev. Literacy	3	EH 348, Composition & Spch	3
EED 344, Dev. Language Skills	2	PE 361, PE in Elementary Schools	3
EED 421, Effective Tchg. Strat.	2	Concentration Elective**	6
EPY 332, Educ. Psychology	2		18
Concentration Elective**	3		
	15		

SENIOR YEAR

Fall		Spring	
EED 333, Arts in Integrated		EED 470, Internship	12
Curriculum	3		12
EED 343, Curr. Integ. In Tchg. Soc.			
Studies	3		
EED 341, Tchg. Math for Children	3		
EED 405, Contemp. Issues	3		
EPY 442, Educ. Meas.	3		
EIM 312, Children's Lit	3		
	18		

Grand Total 131-132

*See Core Curriculum. ECE & EED students are advised to take the complete IS 226, 227, 228 sequence OR the traditional CORE sequence which includes 8 hours in Natural Science plus 3 hours in Physical Science. See Academic Advisor.

**Concentration by Advisement

SPECIAL EDUCATION (SPE)

The curricula in Special Education are for students seeking certification in grades N-12.

DESCRIPTION OF COURSES

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 diagnoses 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.
310. **Introduction to Behavioral Disorders (3).** An overview of the area of emotional conflict with primary emphasis on the mental health factor. The characteristics of children who experience conflict as well as the identification of the children will be introduced. Vocabulary, terminology will receive attention.
311. **Conceptual Models in Emotional Conflict (3).** An introduction to models used and services rendered to children experiencing emotional conflict, emphasizing educational implications.
331. **Cognitive Impairments (3).** The characteristics and nature of mental retardation. Social, emotional, physical, and learning characteristics of retarded children.
333. **Language Development in the Hearing Impaired (3).** *Prerequisite: EH 321.* Covers grammatical analysis, development, acquisition and techniques for teaching morphological, syntactic, semantic, and pragmatic language skills to hearing impaired students.
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. **Instructional Strategies for Cognitive Impairments (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. **Advanced Instructional Techniques (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 Class Management (3).** Emphasis on specific intervention techniques to facilitate management of 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.

388. **Sign Language and Deafness II (3).** Continues acquisition of sign vocabulary and focuses on development of ASL and Pidgin skills.
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. **Theoretical Practices in Mental Retardation (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. **Theoretical Practices in Emotional Conflict (3).** *Prerequisite: Nine semester hours in special education including SPE 310, 311, and SPE 383.* 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. **Issues and Foundations 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. **Parent Involvement in Home School Programming for Exceptional Children (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 Tchg./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 Skills (3).** Functional living skills emphasizing independence 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.
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. In addition, conferences with the supervising teacher are to be scheduled for times convenient to the teacher and student. The education degree candidate is required to take a minimum of 12 hours.

Note: Many SPE courses have practicum requirements. See appropriate faculty for details.

SPECIAL EDUCATION - EMOTIONAL CONFLICT

FRESHMAN YEAR

Fall		Spring	
EH 101, Composition	3	EH 102, Composition	3
BY 101, Biology	3	BY 102, Biology	3
BY 103, (LAB)	1	By 104, (LAB)	1
Fine Arts & Humanities*	3	Physical Science	3
Economics 222	3	MS 102, Algebra	3
History	3	History*	3
	16		16

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Math*	3	EH 141, Speech	2
Social Science	3	CS 100, Computers	1
PE 109, Wellness	3	EH 348, Composition & Speech	3
EIM 311, Academic Technology	3	SPE 300, Survey	3
PSY 330, Abnormal Psy	3	SPE 331, Cognitive Impairment**	3
	18		15

JUNIOR YEAR

SU I

SPE 311, Conceptual Models	3
SPE 402, Creativity & Curr	3
	6

Fall		Spring	
FCS 350, Lifespan Dev	3	SPE 385, Curr & Classrm Mgt	3
SPE 401, P.E. for Except. Child	3	General Elective	4
SPE 382, Instruct. Strategies**	3	SPE 383, Adaptive Curricula	3
SPE 403, Theoretical Practicum**	3	SPE 404, Theoretical Practicum	3
SPE 384, Advanced Instruct. Tech.	3	SPE 405, Issues & Foundations	3
SPE 419, Severe Disorders	3	SPE 418, Independent Living**	3
	18		19

SENIOR YEAR

Fall	Spring
SPE 416, Assessment 3	SPE 481, Internship 12
EED 342, Dev. Literacy 3	Total 138
EED 341, Math for Children 3	
SPE Elective** 3	
SPE Elective** 3	
EED 405, Contemporary Issues 3	
18	

MAY TERM
SPE 420, MR Certification ** 3

*See Core Curriculum

**Double Certification in Mr Option

SPECIAL EDUCATION - MENTAL RETARDATION

FRESHMAN YEAR

Fall	Spring
EH 101, Composition 3	EH 102, Composition 3
BY 101, Biology 3	BY 102, Biology 3
BY 103, (LAB) 1	By 104, (LAB) 1
EC 222 3	Physical Science 3
Fine Arts & Humanities* 3	MS 102, Algebra 3
History* 3	History* 3
16	16

SOPHOMORE YEAR

Fall	Spring
Literature* 3	Literature* 3
Math* 3	EH 141, Speech 2
Social Science 3	CS 100, Computers 1
P.E. 109, Wellness 3	EH 348, Composition & Speech . . 3
EIM 311, Academic Technology . . . 3	SPE 300, Survey 3
PSY 330, Abnormal Psy** 3	SPE 331, Cognitive Impairment . . 3
18	15

JUNIOR YEAR

SU I
SPE 311, Conceptual Models** 3
SPE 402, Creativity & Curr 3
6

Fall	Spring
FCS 350, Lifespan Dev 3	SPE 385, Curr & Classrm Mgt 3
SPE 401, P.E. for Except Child 3	General Elective 4
SPE 382, Instruct. Strat 3	SPE 383, Adaptive Curricula** . . . 3
SPE 403, Theoretical Practicum 3	SPE 404, Theoretical Practicum ** . 3
SPE 384, Adv. Instruct. Tech. 3	SPE 405, Issues & Foundations . . . 3
SPE 419, Severe Disorders** 3	SPE 418, Independent Living 3
18	19

SENIOR YEAR

Fall	Spring
SPE 416, Assessment 3	SPE 481, Internship <u>12</u>
EED 342, Dev. Literacy 3	Total 138
EED 341, Math For Children 3	
SPE Elective** 3	
SPE Elective** 3	
EED 405, Contemporary Issues <u>3</u>	
18	

May
SPE 420, Certification - EC** 3

*See Core Curriculum

**Double Certification in EC Option

SPECIAL EDUCATION - HEARING IMPAIRED

FRESHMAN YEAR

Fall Semester	Spring Semester
EH 101, Composition 3	EH 102, Composition 3
BY 101, Biology 3	BY 102, Biology 3
BY 103 (LAB) 1	BY 104, (LAB) 1
Fine Arts & Humanities* 3	Physical Science (GY) 3
Economics 222 3	MS 102, Algebra 3
History* <u>3</u>	History* <u>3</u>
16	16

SOPHOMORE YEAR

Fall Semester	Spring Semester
Literature* 3	Literature* 3
Math (134) 3	EH 141, Speech 2
Social Science (Psy 201) 3	CS 100, Computers 1
PE 109, Wellness 3	EH 348, Composit. & Spch. 3
EH 321** Advanced Grammar 3	SPE 300, Survey 3
SPE 387, Sign Lang & Deafness I <u>3</u>	General Electives 1
18	SPE 388, Sign Lang & Deafness II <u>3</u>
	16

JUNIOR YEAR

Fall Semester	Spring Semester
FCS 350, Lifespan Dev 3	SPE 385 Curr & Clsrn Mgt 3
EED 405, Contemporary Issues 3	SPE 389 Mainstr D/HH 3
EED 343, Curr Integ in Tch SS 3	SPE 333** Lang Dev Hi 3
EED 362, Science for Child 3	SPE 302, Psy of Deafness 3
EED 342, Dev. Literacy 3	SPE 405 Issues & Found <u>3</u>
EED 341, Teach Math for Child <u>3</u>	15
18	

MAY
EIM 311 Academic Technology <u>3</u>
3

SUM I
SPE 350** Tch HI Rd & Wr 3
SPE 402, Creativity & Curr. <u>3</u>
6

SENIOR YEAR

Fall Semester	Spring Semester
SPE 307, Audiology 3	SPE 481 Internship 12
SPE 386, Met/Applic in Classrm 6	Total - 135
SPE 334, Spch Dev. HI 3	
SPE 409, Eval. of Tchg/Lrng 3	
15	

*See Core Curriculum

**EH 321 is an absolute prerequisite for SPE 333, and SPE 333 is an absolute prerequisite for SPE 350. Failure to follow this sequence could result in graduation being delayed a full year.

DEPARTMENT OF EDUCATIONAL RESOURCES

B-6 RAMONA WOOD HALL

Easton: Department Head

Professors: Dasinger, Easton, Friery, Head,

King, Merrill, Rose, Wright

Associate Professors: Nichols, Uline, Zuelke

Assistant Professors: Bogan, Chaney, Jackson, Stinson, Zenanko

SECONDARY EDUCATION (SE)

High School Certification Program (Grades 7-12)

- A. Dual teaching fields may be chosen from the following: biology, English, French, German, Health Education, history, mathematics, Spanish.
- B. A single comprehensive field may be chosen from the following: general science, home economics, language arts, mathematics, social science.

SECONDARY EDUCATION (ESE)

DESCRIPTION OF COURSES

The curriculum in Secondary Education is for students seeking certification in grades 7-12.

331. **School and Society (3).** A survey of American public education and an overview of current problems and issues in secondary education.
382. **Methods of Teaching (3).** Materials and methods of teaching at the secondary level. *Corequisites: ESE 484 and EPY 442.*
383. **Reading in Content Areas (3).** Emphasis is given to teaching common and special reading skills and oral communication skills.
404. **Effective Teaching (2).** Blends theory and practice. Materials and methods of teaching at the secondary level. *Corequisite: ESE 484; Prerequisite: EPY 332, ESE 331.*
420. **Teaching Mathematics (2).** Materials and methods of teaching mathematics at the secondary level.
421. **Teaching Social Science (2).** Materials and methods of teaching the history and social sciences at the secondary level.
422. **Teaching Language Arts (2).** Materials and methods of teaching the language arts at the secondary level.
423. **Secondary School Science (2).** Materials and methods of teaching the natural and physical sciences at the secondary level.

- 424. **Foreign Language Methods (2).** Material and methods of teaching foreign language at the secondary level.
- 431. **School and Society (3).** A survey of the historical, sociological, and philosophical foundations of American education.
- 451. **AV Materials and Equipment (3).** For education and library science. Examination and evaluation of instructional media materials; operation, care, and housing of equipment.
- 454. **Classroom Behavior (1).** Models for establishing and maintaining classroom discipline. *Corequisite: ESE 486.*
- 484. **Practicum. (3).** A 100-clock-hour clinical experience in a secondary school. *Corequisites: ESE 382 and EPY 442. Beginning Fall, 1994 ESE 404 will be corequisite.*
- 486. **Internship in Grades 7-12 (3).** Supervised teaching in grades 7-12. Degree students catalogue are required to take a 12-hour internship. Consult an academic adviser about scheduling. *Prerequisite: Approval for Professional semester.*

EDUCATION PSYCHOLOGY (EPY)

DESCRIPTION OF COURSES

- 331. **Child Psychology (3).** 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 (3).** Learning principles and theories; observing and understanding students' behavior from humanistic, reinforcement, psychoanalytic and developmental view points; and classroom management skills.
- 429. **Developmental Psychology (3).** (Jr. or Sr. standing) This course stresses the following areas of development in the school age person: intellectual, emotional, social, physical, and moral. Formerly EPY 329.
- 429L. **Developmental Psychology Laboratory.** Taken in conjunction with EPY 429 lecture; two hours of lab per week for five weeks.
- 431. **Adolescent Psychology (3).** 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

- 201. **AV Communication (3).** Examination and application of technology in the information age classroom
- 211. **Children's Literature (3).** Evaluation of books for children. Selection aids, selection criteria and reading guidance emphasized.

311. **Academic Technology (3).** Examination and application of technology in the information age classroom.
312. **Children's Literature (3).** Evaluation of books for children, selection criteria, reading guidance, and the interests, needs, and abilities of children emphasized.
450. **Computers in Education (3).** Applications of microcomputers in education for instruction and administration.
- 450L. **Computers in Education Lab (0).** Must be taken in conjunction with Elm 450; three hours of lab weekly. LAB FEE.
451. **Materials and Equipment (3).** For education and library science. Examination and evaluation of instructional media materials; operation, care and housing of equipment.

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 secondary schools 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.

BACHELOR OF SCIENCE IN EDUCATION

Secondary education (Grades 7-12)

FRESHMAN YEAR

Fall		Spring	
EH, Comp 101	3	EH, Comp 102	3
HY*	3	EH 141, Spch	2
MS 102*, Alg	3	HY*	3
Fine Arts Elective*	3	MS 103 or above*	3
By 101*, Intro to Bio	3	BY 102*, Intro to Bio	3
By 103*, Bio Lab	<u>1</u>	BY 104*, Bio Lab	1
	16	PE 109*	<u>3</u>
			18

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Physical Science	3	Social/Behavioral Science*	3
Teaching Field/Electives	9	EC 222, Survey of Prin.	3
CS 201, Intro to Data Proc*	<u>3</u>	Teaching Field/Electives	<u>9</u>
	18		18

JUNIOR YEAR

Fall		Spring	
Teaching Field/Electives	9	SPE 300, Survey Except Child	3
EPY 431, Adolescent Psy	3	Teaching Field/Electives	12
EPY 332, Ed Psychology	2	EIM 311, Academic Techno	<u>3</u>
ESE 331, Sch. & Society	<u>3</u>		18
	17		

SENIOR YEAR

Fall	Spring
ESE 404, Effective Teaching 2	ESE 486, Internship 12
ESE 383, Read in Cont. Area 3	ESE 454, Classroom Behavior 1
ESE 484, Practicum 3	13
ESE 420 or 421 or 422 or 423 or 424 . 2	
Teaching Field/Electives 6	
EPY 442, Ed Measurement 3	
19	

TOTAL HOURS: 137

*See Core Curriculum

**DEPARTMENT OF HEALTH, PHYSICAL EDUCATION,
AND RECREATION****309 MATHEWS COLISEUM****Gillam: Dpartment Head****Professors: Akers, Gillam, Harris, Pope,
Reynolds, Roswal****Associate Professor: Hammett****Instructors: Bell, Wilson**

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 receive a Class B Professional Certificate and will be qualified to teach Health Education in grades 7 through 12 or Physical Education in grades N 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 39 hours of departmental courses including PE 101, 362, 381, 400, 410, 411, 415, 451, 460, 462, HLT 232, 312, eleven hours of teaching activities including PE 205, 206, 207, 208 and three hours from both teaching team and individual and dual sports, and four elective hours. Certification in Health Education requires twenty-seven hours in the teaching field including Health 212, 232, 312, 315, 318, 360, 412, 420, and 3 hours of electives by advisement. Students in secondary education are required to be certified in two teaching fields.

A minor in physical education is available for students who are pursuing a non-teaching degree. A minor in physical education consists of 21 hours, which must include: PE 101, 362, 400, HLT 232 or PE 333, 8 hours of teaching methodology (PE courses numbered 205-230), and three hours of electives.

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 15 hours of a general recreation core, 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 students majoring in non-teaching degree fields. A minimum of 21 hours including REC 271, REC 430, and HLT 232 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, 33 hours of required department courses, nine hours of department approved elective courses, 12 hours of required courses outside the department and 25 hours from a chosen minor/general electives.

Of the 128 hours required in the non-teaching programs of study, 52 hours must be courses numbered 300 or above.

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 333 or HLT 232, PE 300, 391, and 405 are required.

GENERAL PHYSICAL EDUCATION COURSES (PE)

101. **Introduction to Health and PE (3).** 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 observation 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 H.P.E.R. (1, 2, 3).** Opportunity for undergraduate students to explore a particular area of personal interest in H.P.E.R. 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).** *Co-requisite: To be taken concurrently with PE 410.* Field experiences in the application of methods and materials for N-12 physical education.
451. **Test and Measurements in PE (3).** *Prerequisites: Admittance to 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 adviser about scheduling.
488. **Student Teaching in Physical Education (6).** *Co-requisite: 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.
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, credit 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.
150. **Beginning Swimming (1).** The adaptation of the water and basic strokes of swimming. Non-swimmers only.
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. **Basic Water Safety (1).** The course covers emergency procedures, spinal injuries, and other aquatic activities.
157. **Water Safety Instructor (2).** *Prerequisite: PE 155 or 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. Students pay all expenses.
161. **Martial Arts (2).** Basic skills in aikido including: etiquette, warm-up activities, falls, throws, principles of movement and self defense.
- 191, 192, 193, 194, 195, 196, 197, 198. **Varsity Sports (1).** Successful participation in major varsity sports (Male and Female).

TEACHING METHODOLOGY (PE)

REQUIRED:

205. **Teaching Dance (2).** 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 Act (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.
- 219. **Teaching Alt. Team Games (1).** Instruction in teaching the fundamentals of alternative team games.

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

COACHING (PE):

- 333. **Care of Athletic Injuries (3).** Prevention and correction of accidents in athletics; the use of support methods, conditioning exercises, medical examinations, and therapeutic aids.
- 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 (2).** Organization and administration of intramural programs. Emphasis is on officiating the fall sports of football and volleyball. Laboratory arranged.
- 422. **Intramural Sports II (2).** Organization and administration of intramural programs. Emphasis is placed on officiating the winter and spring sports: basketball & softball.

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 (3).** *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 (3).** *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 test. 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).** Theoretical and practical principles of motor development, with special emphasis on identification and assessment. A student practicum will be required.
- 465. **Practicum in Health Promotion (6).** *Prerequisites:* PE 441 and Senior Standing. Practicum experiences for practicum experience programs, stress testing, exercise prescription programs, commercial/industry fitness.

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.
- 382. **Aquatics for the Disabled (3).** The use of the water environment for therapy, recreation, and athletics with disabled population. 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 (3).** 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 student 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).** An 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.
350. **The School Health Program N-6 (3).** This course deals with methods and materials in health education for grades N-6, including: health services, healthful school environment and health instruction. Practicum required.
360. **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.
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.

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.
303. **Recreation Leadership (3).** Methods, principles, and practical experiences of leadership roles in recreation and camp settings.
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.

BACHELOR OF SCIENCE IN EDUCATION
Teaching Field: Physical Education (N-12)

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
HY* 3	EH 141, Spch 2
BY 101*, Intro to Bio 3	HY* 3
BY 103*, Bio Lab 1	BY 102*, Intro to Bio 3
PE 101 2	BY 104*, Bio Lab 1
PE 109* 3	PE 205-230 3
15	15

SOPHOMORE YEAR

Fall	Spring
Literature* 3	Literature* 3
PE 205-230 3	Social/Behavioral Science* 3
MS 102*, Alg 3	MS 134*, Math Concepts 3
Fine Arts Elective* 3	BY 263, Anat & Phys 3
EC 222, Survey of Prin 3	CS 201*, Intro to DP 3
Physical Science 3	PE 205-230 3
18	18

JUNIOR YEAR

Fall	Spring
PE 362, Kinesiology 2	EPY 332 2
SPE 300 3	EED 383 3
HLT 232, EMS 2	PE 460, Motor Dev 2
HLT 312, Hlt Problems 3	PE 380 2
PE 205-230 2	PE 400, Ex Phy 3
ESE 331 3	PE, HLT, or REC Elective 2
15	PE 415, Biomechanics 2
	16

SENIOR YEAR

Fall	Spring
PE 462 3	PE 487 9
PE 451 3	PE 482, Seminar in PE 1
PE 410 3	PE 488, Student Teaching in PE . . . 6
PE 411 3	16
EPY 429, Dev Psychology 3	
15	

TOTAL HOURS: 128

**BACHELOR OF SCIENCE
MAJOR: RECREATION ADMINISTRATION**

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch	2
Natural Science*	4	HY*	3
PE 109*	3	Natural Science*	4
PE Activity Elective	3	PE Activity Elective	3
	<u>16</u>		<u>15</u>

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Social/Behavioral Science*	3	Social/Behavioral Science*	3
MS 102*, Alg	3	MS 134*, Math Concepts	3
Fine Arts Elective*	3	Approved Elective/Minor	3
Approved Elective/Minor	3	HLT 232, Emer Med Service	3
REC 271	3	CS 201, Intro to D.P.	3
	<u>18</u>		<u>18</u>

JUNIOR YEAR

Fall		Spring	
REC/PE Elective	6	REC/PE Elective	6
Approved Elective/Minor	7	Approved Elective/Minor	6
MGT Elective	3	MGT Elective	3
	<u>16</u>		<u>15</u>

SENIOR YEAR

Fall		Spring	
REC/PE Electives	3	REC 435, Field Exp in REC	6
REC 430, REC Admin	3	REC/PE Electives	3
Approved Elective/Minor	9	Approved Elective/Minor	6
	<u>15</u>		<u>15</u>

TOTAL HOURS: 128

*See Core 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	2
Natural Science*	4	HY*	3
PE 109*	3	Natural Science*	4
PE, HLT, or REC Elective	3	Minor/Approved Elective	3
	<u>16</u>		<u>15</u>

SOPHOMORE YEAR

Fall		Spring	
Literature	3	Literature*	3
Social/Behavioral Science*	3	Social/Behavioral Science*	3
MS 102*, Alg	3	MS 134*, Math Concepts	3
Fine Arts Elective*	3	HLT 318	3
PE 206	1	CS 201*, Intro to D.P.	3
PE 230	1	PE, HLT, or REC Elective	3
FCS 215 or 322	<u>3</u>		<u>18</u>
	17		

JUNIOR YEAR

Fall		Spring	
BY 263	3	PE 362, Kinesiology	2
MGT 301, Prin	3	PE 400, Ex Phy	3
PSY 340	3	Minor/Approved Elective	6
HLT 312, Health Prob	3	PE 460, Motor Dev	2
Minor/Approved Elective	<u>4</u>	PE, HLT, or REC Elective	<u>3</u>
	16		16

SENIOR YEAR

Fall		Spring	
PE 405	3	Minor/Approved Elective	9
PE 415, Biomechanics	3	PE 465, Practicum	<u>6</u>
PE 440, Fitness Testing	3		15
PE 441, Design of WEL Prog	3		
Minor/Approved Elective	<u>3</u>		
	15		

TOTAL HOURS: 128

*See Core Curriculum

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES (FCS)**215 MASON HALL****Yocum: Department Head****Professors: Sowell, Yocum****Assistant Professor: Chandler****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. Three degree programs are offered — a Bachelor of Science degree with a major in Merchandising; a Bachelor of Science degree with a major in Nutrition and Foods with two concentrations: Dietetics and Restaurant and Foodservice Management; a Bachelor of Science degree in Education with a teaching field of Home Economics. Minors offered within the department include: Home Economics, Fashion Merchandising, Nutrition and Foods, and Restaurant and Foodservice Management. The minor in Home Economics 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 Home Economics**

A Bachelor of Science degree in Secondary Education with a major in home economics is offered. Students who meet the requirements for this major will be qualified to receive a Class B Secondary Professional Certificate. This certificate is acceptable for

the teaching of home economics, both vocational and non-vocational, in the secondary schools of Alabama. Majors in home economics are also qualified for positions in Home Economics Extension Service, business, food service supervision and other related fields.

BACHELOR OF SCIENCE IN EDUCATION
Teaching Field: Home Economics Education

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch	2
MS*	3	HY*	3
FCS 122, Fund of Food Prep	3	EC 222	3
PE 109, Wellness	3	MS*	3
	<u>15</u>	FCS 131 Clothing Const	3
			<u>17</u>

SOPHOMORE YEAR

Fall		Spring	
CS 100 Intro to Computers	1	Literature*	3
Literature*	3	Natural Science*	4-5
Natural Science*	4-5	FCS 221, Meal Mgt	3
SY 221, Intro to Soc	3	FCS 300, Prof. Dev	1
FCS 232, Textiles	3	FCS 215, Intro to Nutrition	3
Science*	3	Fine Arts Elective	3
	<u>17-18</u>		<u>17-18</u>

JUNIOR YEAR

Fall		Spring	
FCS 323, Exp. Foods	3	FCS 352, Child Devel	2
EPY 332, Ed. Psy	2	FCS 352L	1
ART 233, Design	3	FCS 355, Family Life Ed	3
FCS 350, Lifespan Hum. Devel.	3	FCS 341, Household Equip	3
ED 383, Rding in Sec. Sch	3	FCS 371, Home Mgt	3
SPE 300	3	FIN 311, Person Finance	3
	<u>17</u>	EPY 332, Ed. Psy	2
			<u>17</u>

SENIOR YEAR

Fall		Spring	
EPY 442, Ed. Measurement	3	FCS 486, Internship	9
FCS 431, Tailoring	3	ESE 454	1
ESE 331, School & Society	3	HED 462, Voc. Home Ec. Ed	3
FCS 471, Family Housing	3	FCS 425, Practicum in Foodservice Mgt	3
HED 461, Home Ec. Ed	3		<u>16</u>
EIM 311, Acad. Tech	3		
	<u>18</u>		

TOTAL HOURS: 134-136

*See Core Curriculum

BACHELOR OF SCIENCE DEGREE
MAJOR IN MERCHANDISING

*A Bachelor of Science degree with a major 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.

BACHELOR OF SCIENCE MAJOR: MERCHANDISING

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
Natural Science/Analysis*	4-5	EH 141, Spch	2
MS 102*, Alg	3	HY*	3
ART 134, Drawing	3	Natural Science/Analysis*	4-5
FCS 131, Clothing Const	<u>3</u>	FCS 331, Fash Fund and Merch	3
	16-17	PSY 201, Prin	<u>3</u>
			18-19

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 350 or 352 or 355	<u>3</u>
SY 221, Intro to Soc	<u>3</u>		15
	18		

JUNIOR YEAR

Fall		Spring	
Fine Art Elective*	3	ART 329, Beg Comm Design	3
MKT 301, Prin	3	FCS 333, Family Clothing	3
FCS 215, Intro to Nut	3	FCS 371 or 471	3
FCS 334, 431, or 433	3	MKT 361, Salesmanship	3
EC 222, Prin	3	MKT 377, Advertising	<u>3</u>
MGT 301, Prin	<u>3</u>		15
	18		

SENIOR YEAR

Fall		Spring	
FCS 300, Prof Deve	1	FCS 430	3
FCS 334 or 431		Electives 300+	6
or 433 or 434	3	FCS Approved electives	<u>3</u>
FCS 335, Display	3		12
FCS 432, Hist of Fashion	3		
MKT 378, Cons Beh	3		
MKT 394, Retailing	<u>3</u>		
	16		

TOTAL HOURS: 128-130

*See Core Curriculum

BACHELOR OF SCIENCE MAJOR: NUTRITION AND FOODS

The Bachelor of Science degree with a major in Nutrition and Foods offers two concentrations: one in Dietetics and the other in Restaurant and Foodservice Management.

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.

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
MS 102*, Alg	3	EH 141	2
CY 105**, Gen Chem	3	MS*	3
CY 107**, Chem Lab	1	PSY 201, Prin	3
FCS 122, Fund of Food Prep	<u>3</u>	EC 222, Economics	3
	13	FCS 221, Meal Mgt	<u>3</u>
			17

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 323	3
FCS 322, Normal Nut	3	CS 201*, Intro to D.P.	<u>3</u>
SY 221, Intro to Soc	<u>3</u>		16
	16		

JUNIOR YEAR

Fall		Spring	
Fine Arts Elective	3	BY 263, Human Anatomy & Phys. I	3
Electives	3	SY 304, Social Stat	3
FCS 311, Intro to Diet	3	FCS 300, Prof Dev	1
FCS 324, Adv Nut	3	FCS 326	3
FCS 325, Qnty Food Prod	3	FCS 338, Com Nut	3
HED 461, Home Ec Ed	<u>3</u>	FCS Elective 300+	<u>3</u>
	18		16

SENIOR YEAR

Fall		Spring	
FCS Elective 300+	3	FCS Elective 300+	3
MGT 301, Prin	3	BY 283, 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	<u>3</u>	ACC 201, Prin	3
	15	Electives	<u>2</u>
			17

TOTAL HOURS: 128

*See Core Curriculum

**CY 105, 107, 109, 110 and 164 satisfy the natural sciences, Core Curriculum requirement for students with a dietetics major.

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 21 hours including FCS 122, 215, 323, 325, 326, 422, and 424.

A minor in Nutrition and Foods may be obtained by completing 21 hours including FCS 122, 221, 322, 338, HED 461, and six additional hours from an approved list of FCS electives.

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	.3	EH Comp 102	.3
HY*	.3	EH 141, Spch	.2
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	<u>.3</u>	FCS 221, Meal Mgt	<u>.3</u>
	16		15

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 215, Intro Nut	.3
FCS 323	<u>.3</u>	FCS 341, Household Equip	<u>.3</u>
	18		18

JUNIOR YEAR

Fall		Spring	
MGT 301, Prin	.3	FCS 326	.3
ACC 201, Prin	.3	CY 101, Fund	.3
BY 283, Micro	.3	MGT 384, Organ Beh	.3
FCS 325, Qnty Food Prep	.3	ACC 202, Prin	.3
Elective	<u>.4</u>	Elective	<u>.3</u>
	16		15

SENIOR YEAR

Fall		Spring	
FCS 131 or 435	.3	FCS 300, Prof Dev	.1
FCS 350 or 352 or 355	.3	FCS 371 or 471	.3
FCS 422, Foodservice Mgt	.3	FCS 424, Foodservice Mgt	.3
ACC 396	.3	FCS 425, Practicum	<u>.6</u>
MGT 385	.3		13
Elective	<u>.2</u>		
	17		

TOTAL HOURS: 128

*See Core Curriculum

DESCRIPTION OF COURSES

CHILD AND FAMILY DEVELOPMENT (FCS)

- 350. **Lifespan Human Development (3).** Overview of physical, intellectual, social, and emotional development from conception to death. Practical application of information to life stages and outside observations will be included.
- 352. **Child Growth and Development and Nursery School Participation (2)** Development and guidance of young children from infancy through the pre-school years.
- 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 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.
- 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.
- 435. **Problems in Clothing and Textiles for the Consumer (3)** Problems affecting the buyers and the consumer in purchasing textiles and non-textile products. Usually taught in the Spring.
- 472. **Creative Expressions in Home Furnishings (3).** *Prerequisite:* FCS 471. 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.
- 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 Required.

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. 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).** 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.

HOME ECONOMICS EDUCATION (HED)

- Education 461. **Home Economics Education (3).** *Prerequisite:* Consent of instructor. Planning and implementation of instructional methods and materials in secondary home economics education and community education programs. Field experiences.
- Education 462. **Vocational Home Economics (3).** *Prerequisite:* Consent of Instructor. Organization and administration of vocational home economics education in secondary schools. Includes needs assessment, curriculum planning and implementation of programs. Field experiences.
- Education 486. **Internship in the High School (3).** *Prerequisites:* Completion of education courses over a two semester sequence and permission of instructor. 10 weeks. Supervised teaching and observance in vocational home economics. The education degree candidate is required to take a minimum of 9 hours internship and should consult an academic adviser about scheduling.

HOUSING, HOME MANAGEMENT AND HOME ECONOMICS (FCS)

300. **Professional Development (1).** *Prerequisite:* Junior standing. Open to FCS majors only. The philosophical base of home economics and issues affecting the profession. Survey of specialty fields and professional practices.
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. **Home Management (3).** *Prerequisite: Junior standing.* Emphasizes the concepts of home management; decision-making, alternative seeking, goal defining, value consciousness, resource allocation, and organization. Usually taught in the Fall.
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.



COLLEGE OF LETTERS AND SCIENCES

J.E. Wade: Dean

DEPARTMENT OF BIOLOGY (BY)

108 AYERS HALL

William Bowen: Department Head

Professors: Benton, Bowen,
Olander, Seagle, Whetstone

Associate Professors: Debro, Romano

Assistant Professors: Al-Hamdani, Cline, Durrant, Higginbotham, McGarey, Webb

The Department of Biology offers a spectrum of undergraduate courses that enable students to develop an understanding and appreciation of life, to gain a preprofessional background before entering health professions, and to develop a strong academic background for pursuing careers or graduate study in the biological sciences or in biological education. The Department recognizes the importance of both content and process in science education and thus encourages and promotes undergraduate student research as an integral part of the program of study in biology.

The Department of Biology offers the Bachelor of Science Degree with a major in Biology. After completion of a biology core, the major may elect a course of study in any one of these programs of study: Ecology/Environmental Biology; Marine Biology; Preprofessional Biology; Animal Biology; and Plant Biology. The program in Ecology/Environmental Biology is designed for those biology majors who plan to enter graduate school or have careers in ecological or environmental research, environmental assessment or education, ecological monitoring, forest or park management, or as a naturalist. As an active member of the Marine Environmental Sciences Consortium at Dauphin Island, Alabama, the Department offers the Program in Marine Biology for majors who intend to enter graduate school or have careers in marine biology research, marine environmental assessment or education. The Preprofessional Biology program is designed for those biology majors who intend to seek a career in a health profession, such as medicine, dentistry, physical therapy, medical technology or veterinary medicine. The Programs in Animal or Plant Biology are for majors who plan to enter graduate school or have careers in research, biotechnology, museums or education.

Advising. Students planning to earn either the B.S. degree with a major in Biology or the B.S. degree in Education with a teaching field in biology, or a minor in biology, must see the Biology Department Head early in their course of study for assignment to the appropriate departmental advisor.

Requirements for the Biology MAJOR:

- a. Freshman Sequence
BY 101 + 103 and 102 + 104 8 hrs
- b. Sophomore/Junior Core 9 hrs
BY 322 (Genetics), BY 332 (Ecology),
and BY 373 (Cell biology)
- c. Undergraduate research in biology
BY 370 1 hr
- d. Advanced topic in biology
BY 480 or 481 1 hr
- e. Other requirements in biology are courses¹
to be selected from *each* of these groups:

¹See the specific program of study for approved courses.

Group I — Approved courses in physiological
or developmental biology 3 hrs

Group II — Approved courses in
organismal biology 3-16 hrs

f. Biology electives to be determined in
consultation with the program advisor 0-10 hrs

TOTAL hours in biology 35-38 hrs

g. Chemistry

CY 105, 106, 107, 108 8 hrs

For each Program of Study in biology, the course options for Groups I and II, and additional requirements are summarized below.

I. Ecology/Environmental Biology Program

Group I — BY 304, 306 or 430; Group II — BY 301, 302, 320, 323, 342, 393, 406, 407, 452, 453, 471, 475, 476 or 477; BY electives — 10 hours. Total hrs in biology, 35. Additional mathematics (statistics) highly recommended.

II. Marine Biology Program

Group I — BY 304, 306 or 430; Group II — MBY 411, MBY 415, MBY 486, and MBY 487 (offered only at the Sea Lab, Dauphin Island); BY electives — none required. Total hrs in biology, 38. Additional physical sciences — minimum of one semester of physics required; additional chemistry recommended. Two summers of study in residence at the Sea Lab is highly recommended.

III. Preprofessional Biology Program

Group I — BY 306 or 430; Group II — BY 320, 323 or 471; BY electives — 10 hrs. Total hrs biology, 35. Additional physical sciences — CY 231, CY 232 and one year of physics required. Other courses highly recommended are: BY 310, BY 402 and CY 362.

IV. Animal Biology Program

Group I — BY 301, 306 or 430; Group II — BY 320, 342, 406, 407, 471, 476, or 477; BY electives — 10 hrs. Total hrs in biology, 35.

V. Plant Biology Program

Group I — BY 304 or BY 306; Group II — BY 302, BY 393, BY 452, BY 453, or BY 475; BY electives — 10 hrs. Total hrs in biology, 35.

A minor in another subject area, to be determined in consultation with the program advisor, is also required for the biology major.

Department Minors:

Option I — Biology

A minor in Biology consists of 24 hours of biology which shall include BY 101, 102, 103, 104, and 16 additional hours of courses numbered 300 and 400. The biology minor may not be taken in conjunction with a biology major.

Option II — Botany

A minor in Botany consists of 24 hours of biology which shall include BY 101, 102, 103, 104, and 16 hours of approved botany courses at the 300-400 level. The botany minor may be taken in conjunction with any appropriate major.

Option III — Zoology

A minor in Zoology consists of 24 hours of biology which shall include BY 101, 102, 103, 104, and 16 hours of approved zoology courses at 300-400 level. The zoology minor may be taken in conjunction with any appropriate major.

DESCRIPTION OF COURSES

101. **Introductory Biology I (3).** *Corequisite:* BY 103. An introduction to chemical, physical, and cellular organization of organisms and their origins and classification. Viruses, Monerans, Protists, Fungi and Plants are surveyed. This course is intended for biology majors and non-majors.
102. **Introductory Biology II (3).** *Prerequisite:* BY 101. *Corequisite:* 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 Laboratory I (1).** *Corequisite:* BY 101. One two-hour laboratory per week. This course reinforces lecture materials and must be taken concurrently with BY 101.
104. **Introductory Biology Laboratory II (1).** *Prerequisite:* BY 103. *Corequisite:* BY 102. One two-hour laboratory per week. This course reinforces lecture material and must be taken concurrently with BY 102.
263. **Human Anatomy and Physiology (3).** Two class periods and one laboratory period a week. 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).** Two class periods and one laboratory period a week. *Prerequisite:* BY 263. 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 toward biology major or minor.
283. **Health Microbiology (3).** *Prerequisites:* 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 allowed towards biology major or minor.
301. **Field Zoology (3).** Two class periods and one three-hour laboratory period a week, plus field trips. *Prerequisites:* BY 101, 102, 103 and 104. Collecting and identifying animals and noting ecological conditions.
302. **Field Botany (3).** Two class periods and one three-hour laboratory period a week, plus field trips. *Prerequisites:* BY 101, 102, 103 and 104. The laboratory work will involve the collection and identification of native plants of Alabama.
303. **Biological Conservation (3).** Three class periods a week. *Prerequisites:* BY 101, 102, 103 and 104. A contemporary and historical study of biological conservation in America.
304. **Plant Physiology (3).** Two class periods and one laboratory period a week. *Prerequisites:* BY 101, 102, 103, 104, CY 105, 106, 107 and 108. The growth, metabolism, and water relations of seed plants.
306. **Developmental Biology (4).** Two class periods and two laboratory periods a week. *Prerequisites:* BY 101, 102, 103 and 104. The reproduction and development of animals and plants; the study of gametogenesis, fertilization, early embryonic development, tissue differentiation and organ system formation.
310. **Hematology (4).** Three class periods and one laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. The anatomy and physiology of blood with emphasis on function, structure and diseases pertaining to the blood.
320. **Comparative Vertebrate Anatomy (4).** Two class periods and two laboratory periods a week. *Prerequisites:* BY 101, 102, 103 and 104. The comparative study of vertebrate organ systems supplemented in laboratory with the dissection of selected vertebrates.
322. **Genetics (3).** Two class periods and one laboratory period a week. *Prerequisites:* BY 101, 102, 103, 104. Important facts, laws, theories, and methods used in the study of genetics.
323. **Microbiology (4).** Two class periods and two laboratory periods a week. *Prerequisites:* BY 101, 102, 103 and 104. General microbiology, including methods of culture and identification of some of the most common types of microorganisms.

332. **Ecology (3).** *Prerequisites:* BY 101, 102, 103, 104. Two class periods and one laboratory a week, plus field trips. The association and distribution of organisms in relation to the major environmental factors.
342. **General Entomology (4).** Two class periods and one four-hour laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. Orders and families of insects with emphasis on collection, identification, morphology, and ecology.
360. **Pathophysiology (3).** Three class periods a week. *Prerequisites:* BY 262 and CY 164. The physiology of disordered function. No credit allowed toward biology major or minor requirements.
370. **Intro Research BY (1).** *Prerequisites:* BY 101, 102, 103, 104, 322, 332, and 373. One two-hour session a week. An introduction to research methodology in biology and development of proposal for undergraduate research with faculty sponsor.
373. **Cell Biology (3).** *Prerequisites:* BY 101, 102, 103, 104. Two lectures and a laboratory a week. The study of prokaryotic and eukaryotic cells, with an emphasis on their chemical and structural organization, bioenergetics and reproduction.
391. **Environmental Biology (3).** Three class periods a week. *Prerequisites:* BY 101, 102, 103 and 104. A contemporary and historical study of ecological relationships of animals, including man.
393. **Fundamentals of Horticulture (4).** Three class periods and one two-hour laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. The culture of common garden and house plants.
397. **Biology Internship (1).** *Prerequisites:* BY 101, 102, 103, 104 and junior standing. The student will spend a minimum of 25 hours gaining practical experience at a public or private institution or business. Consultation with the instructor is required.
398. **Biology Internship (1).** *Prerequisites:* BY 101, 102, 103, 104 and junior standing. The student will spend a minimum of 25 hours gaining practical experience at a public or private institution or business. Consultation with the instructor is required.
399. **Biology Internship (1).** *Prerequisites:* BY 101, 102, 103, 104 and junior standing. The student will spend a minimum of 25 hours gaining practical experience at a public or private institution or business. Consultation with the instructor is required.

All students taking 400 level courses must have junior standing.

400. **Seminar (1).** One class period a week. *Prerequisites:* BY 101, 102, 103 and 104. The discussion and presentation of reports on research in the biological sciences.
402. **Medical Microbiology and Immunology (4).** Three class periods and one laboratory period a week. *Prerequisite:* BY 323. Pathogenic bacteria, viruses and other microbial infections of humans with emphasis on immunological mechanisms and their relationship to disease processes.
406. **Ornithology (3).** Two class periods and one laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. The history, classification, anatomy, physiology, ecology and distribution of birds. Laboratory emphasis on field identification and ecology.
407. **Mammalogy (3).** Two class periods and one laboratory period each week. *Prerequisites:* BY 101, 102, 103 and 104. Aspects of the biology, ecology, taxonomy, and distribution of mammals of the southern states.

430. **Animal Physiology (4).** Three class periods and one laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. *Recommended:* CY 362 and/or 363. A systematic study of organ system physiology. Special attention to adaptations among vertebrates.
432. **Experimental Ecology (3).** One class period and one four-hour laboratory period a week. *Prerequisite:* BY 332. The use of equipment to obtain data on the components of the living and non-living environments.
452. **Plant Taxonomy (3)** Two class periods and one four-hour laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. The identification and classification of flowering plants. Field trips will be taken.
453. **Dendrology (3).** One class period and one four-hour laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. The identification, taxonomy, ecological characteristics, and distribution of important North American trees. Field trips will be taken.
454. **Tropical Biology (3).** *Prerequisites:* BY 101, 102, 103, 104 and permission of the instructor. An extensive field trip to study the flora and fauna of tropical regions.
455. **Plant Ecology (3).** One class period and one four-hour laboratory period a week. *Prerequisite:* BY 332. A study of the interrelationships of plants and their environment with emphasis on plant communities of Alabama. Field trips will be taken.
471. **Parasitology (4).** Three class periods and one laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. An introduction to the parasites of humans and domestic animals.
472. **Histology (4).** Two class periods and two laboratory periods a week. *Prerequisites:* BY 101, 102, 103 and 104. The origin, recognition, and functions of the fundamentals and special tissues of the vertebrates.
473. **Cell Biology (3).** Three class periods with demonstrations a week. *Prerequisites:* BY 101, 102, 103 and 104. *Recommended:* BY 322, CY 231, 232, 362 and 363. A study of molecular and submicroscopic structures of cells and their functional roles.
474. **Techniques in Botany (3).** Two class periods and one laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. The collection, identification, culture, and preservation of plants for illustration and utilization in the classroom and laboratory.
475. **Economic Botany (3).** Two class periods and one laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. The relation of representative beneficial, noxious, parasitic, and poisonous plants to humans and domestic animals. Field trips will be taken.
476. **Invertebrate Zoology (3).** Two class periods and one laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. The collection, preservation, identification, and economic aspects of invertebrate animals. Field trips will be taken.
477. **Vertebrate Zoology (3).** Two class periods and one laboratory period a week. *Prerequisites:* BY 101, 102, 103 and 104. The natural history, collection, preparation, identification, and economic aspects of vertebrate animals.
478. **Endocrinology (3).** Three lecture periods a week. *Prerequisites:* BY 101, 102, 103 and 104. *Recommended:* BY 430, CY 362 and/or 363. Hormonal control systems and the glands that regulate them. Hormone measurement and new research that broadens the concept of "hormone."
480. **Advanced Topics in Biology I (1).** *Prerequisites:* BY 101, 102, 103, 104, 322, 332, and 373. Two class periods per week for one-half semester. Topics to be posted in the Biology Department.

481. **Advanced Topics in Biology II (1).** *Prerequisites:* BY 101, 102, 103, 104, 322, 332, and 373. Two class periods per week for one-half semester. Topics to be posted in the Biology Department.
489. **Laboratory Practicum (2).** Two laboratory periods per week. *Prerequisites:* BY 101, 102, 103, 104 and permission of Department Head. The use of biology equipment and training aids for juniors and seniors planning careers in high school, college or university teaching.
498. **Honors Research in Biology (1).** *Prerequisites:* BY 101, 102, 103, 104, a 3.0 GPA in biology and permission of the instructor. Students must make special arrangements to do basic research in various biological disciplines. A formal paper is required.

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

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).** 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. *Prerequisites:* BY 101, 102, 103, 104.
410. **Marine Fisheries Science (4).** An in-depth study of the principles and methods of fishery biology and their application to conservation. Lecture and laboratory work are included. *Prerequisites:* BY 101, 102, 103, 104.
411. **Marine Ecology (4).** 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. *Prerequisites:* BY 101, 102, 103, 104, one year of general chemistry, one semester of general physics.
412. **Coastal Ornithology (4).** 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. *Prerequisites:* BY 101, 102, 103, 104.

415. **Marine Botany (4).** 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. *Prerequisites:* BY 101, 102, 103, 104.
416. **Introduction to Oceanography (4).** An introduction to biological, chemical, geological, and physical aspects of the sea. *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.
417. **Estuarine Biology (4).** This course provides an in-depth exposure to the complexities and values of the estuarine ecosystem. *Prerequisite:* Advanced standing in biology.
418. **The Behavior of Marine Animals (4).** This course will explore the basic techniques, underlying principles, and major findings of ethology as they relate to the study of marine organisms. *Prerequisites:* BY 101, 102, 103, 104.
423. **Salt Marsh Ecology (4).** 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. *Prerequisite:* Advanced undergraduate standing in biology.
427. **Marine Technical Methods I (2).** 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. *Prerequisite:* Advanced undergraduate standing.
428. **Marine Technical Methods II (2).** 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. *Prerequisite:* Advanced undergraduate standing.
435. **Coastal Zone Management (2).** Review of ecological features and a set of physical management policies for coastal communities and a description of relevant federal and state programs. *Prerequisite:* Advanced undergraduate standing.
440. **Marine Biology for Teachers (6).** 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. *Prerequisites:* BY 101, 102, 103, 104.
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).** 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. *Prerequisites:* BY 101, 102, 103, 104.

487. Marine Invertebrate Zoology (4). 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. *Prerequisites:* BY 101, 102, 103, 104.

491. Directed Research (2). 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. *Prerequisite:* Consent of instructor.

NOTE: Other Marine Science courses taught at the Seal Lab located on Dauphin Island, Alabama: GY 329 Coastal Climatology, GL 390 Marine Geology, GL 450 Recent Marine Sedimentation, GL 445 Marine Paleocology.

For course description, see course listing in the Department of Geography/Geology.

BACHELOR OF SCIENCE MAJOR: BIOLOGY*

FRESHMAN YEAR

Fall		Spring	
EH 101	3	EH 102	3
HY**	3	EH 141	2
BY 101	3	HY**	3
BY 103	1	BY 102	3
MS 102	3	BY 104	1
Computer Literacy**	3	MS 103 (or higher)	3
	<u>16</u>		<u>15</u>

SOPHOMORE YEAR

Fall		Spring	
Literature**	3	Literature**	3
Social/Behavioral Science**	3	Social/Behavioral Science**	3
CY 105	3	CY 106	3
CY 107	1	CY 108	1
BY Core (322, 332 or 373)	6	BY Core (322, 332 or 273)	3
	<u>16</u>	Wellness**	3
			<u>16</u>

JUNIOR YEAR

Fall		Spring	
BY Group I	3	BY Group II	4
BY 370	1	BY Elective	3
BY Elective	3	Minor	6
Minor	6	Electives 300/400	3
Fine Arts	3		<u>17</u>
	<u>16</u>		

SENIOR YEAR

Fall		Spring	
BY 480 or 481	1	Electives 300/400	10
BY Elective	3	Minor	6
Minor	6		<u>16</u>
Electives 300/400	6		
	<u>16</u>		

TOTAL HOURS: 128

*Suggested general sequence for a biology major; actual sequence will vary according to program selected. All majors must see assigned departmental advisor early in their course of study.

**See Core Curriculum

DEPARTMENT OF ENGLISH (EH)

215 STONE CENTER

C. Cox: Department Head

Professors: Blanton, Cox, Felgar,

Richards, Whitton

Associate Professors: Gates, Hug

Assistant Professors: M. Davis, R. Davis, Dibiase

Instructors: Bryan, Christopher, Cuff, Guthrie, Horton, Kinney,
Malone, Methvin, Prickett, Smart, Tobe, Wallace, 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 35 hours, which must include English 101, 102, 141, 201, 202, 301, 302 and either 403 or 404. Twelve hours of a single foreign language, preferably French or German, are also required.

Minor in English: A minimum of 23 hours, which must include English 101, 102, 141, 301, 302, and either 201 or 202. This minor is not available for students seeking teacher certification, or those majoring in English.

Minor in Business and Technical Writing: A minimum of 23 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 23 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 those majoring in English.

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

Requirements for certification in the English teaching field (grades 7-12): 29 hours, including English 101, 102, 141, 201, or 319, 202 or 320, 301, 302, 321, 403 or 404, and one three-hour elective chosen from any English course offered except 345, 346, and 347.

Requirements for certification in the Language Arts teaching field (grades 7-12): 48 hours, including English 101, 102, 201 or 319, 202 or 320, 301, 302, 321, 346, 347, 403 or 404, and 9 hours of English electives. Also required are Drama 242 and 241 or 284 and Journalism 303 or 304.

For additional information about these programs, a student should 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 English 101 are required to submit scores from the American College Test (ACT) or Scholastic Aptitude Test (SAT). Placement in entry-level English will be determined by the following:

Placement	ENHANCED	SAT
	ACT English Sub Test	Verbal Test
LS 095	11 or below	210 or below
EH 098 or LS 095 (following advisement)	12 - 13	211 - 260
EH 098	14 - 16	261 - 339
EH 101	17 or above	340 or above
EH 101 H	25 or above	535 or above

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.) Pass/Fail grade only.
- 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: A, B, C, NC. EH 102 prerequisite – successful completion of EH 101. (Offered Fall and Spring semesters only.)
141. **Oral Communication (2).** 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.
136. **Vocabulary Building (3).** *Prerequisite: None.* A course designed to improve the student's reading comprehension and writing skills by expanding vocabulary and improving spelling.
- 201, 202. **American Literature (3) (3).** Two semesters. *Prerequisite: EH 102.* The American tradition as presented in literature. 201: Franklin, Irving, Poe, Emerson, Thoreau, Hawthorne, Melville, Whitman. 202: James, Twain and twentieth-century American authors.
300. **Independent Study (1).** Special project in English studies. Permission of department head. (Offered Fall and Spring only.)
- 301, 302. **Survey of English Literature (3) (3).** Two semesters. *Prerequisite: EH 102.* Representative English writers in the major periods of their nation's cultural development. 301: *Beowulf* to Neoclassical writers. 302: Romantics to modern writers. *Successful completion of either English 201, 202 or 301, 302 or 319, 320 will be prerequisite for all advanced English courses except English 331, 332, 344, 345, 347, and 351.*
- 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 1930s to the present.
311. **Romantic Poetry (3).** Wordsworth, Coleridge, Byron, 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 Dylan Thomas.
- 319, 320. **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 301, 302, in non-teaching programs of study. (Offered Fall and Spring only.)
321. **Advanced Grammar (3).** Required of students planning to enter the teaching fields of Language Arts or English as preliminary to all practice teaching. A thorough study of the parts of speech and syntax.
322. **Technical Writing (3).** *Prerequisites: EH 101, 102, and 141.* Practical writing, especially correspondence and reports, for students in business, scientific, and technical fields.
- 331, 332. **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.

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.
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 102. Basic principles and practice of argumentation and debate, with instruction in parliamentary procedure.
346. **Advanced Oral Communication (3).** *Prerequisite:* EH 102. Study and practice of techniques of public speech-making. Offered during the spring semester. Should be taken before the Education student's professional semester.
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.
348. **Composition and Speech (3).** *Prerequisite:* Major in SPE, EEd., or ECE. *Emphasis on writing and on oral presentation skills.*
- 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 towards the English or Language Arts major or towards a concentration in English for the Bachelor of Science in Education degree.
360. **Interpersonal Communication (3).** 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 times: Cooper, Hawthorne, Melville, and Twain through such moderns as Faulkner, Hemingway, Wolfe, Ellison, and Bellow.
371. **Contemporary Fiction (3).** The reading and analysis of twentieth-century novels, novelettes, and/or short stories selected by the instructor.
373. **Contemporary Drama (3).** Ibsen to Beckett. The social, moral, and psychological interests of recent 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, Thomas Wolfe, William Faulkner, and Flannery O'Connor.
401. **Chaucer (3).** The poet against the background of the Middle Ages.
402. **Milton (3).** The major poetry and selected prose.
- 403, 404. **Shakespeare (3) (3).** First semester. *Hamlet, Othello*, and selections from histories and romantic comedies. Second semester. *King Lear, Macbeth*, and selections from 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).** By permission of the instructor. Focuses on advanced problems in writing fiction and poetry.

408. **The Teaching of Composition (3).** 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 during the semester, 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 Elmer Rice, Maxwell Anderson, Tennessee Williams, Arthur Miller, and Edward Albee. Consideration will also be given to new American playwrights.
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, 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:* 101, 102, 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 canon.
441. **The History of the English Language (3).** A study of the phonology, morphology, and syntax of the English language in all periods of its history.
442. **Black Writers in America (3).** Study of major twentieth-century writers, including Wright, Ellison, Hughes, Baldwin, Toni Morrison, Alice Walker, Margaret Walker, and others.
452. **Literary Criticism (3).** Prominent themes and theories, various critical approaches, and outstanding examples of literary criticism from Plato to the present.
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, the Museum of Modern Art, and others.

**BACHELOR OF ARTS
MAJOR: ENGLISH**

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch	2
Natural Science*	4	HY*	3
Social/Behavioral Science*	3	Natural Science*	4
FL 101	<u>3</u>	FL 102	<u>3</u>
	16		15

SOPHOMORE YEAR

Fall		Spring	
EH 201*, Am Lit	3	EH 202*, Am Lit	3
Analysis*	3-5	Analysis*	3-5
Social/Behavioral Science*	3	Wellness*	3
EH Electives	3	EH Electives	3
FL 201	<u>3</u>	FL 202	<u>3</u>
	15-17		15-17

JUNIOR YEAR

Fall		Spring	
Fine Arts Elective*	3	EH 302, Survey of EH Lit	3
EH 301, Survey of EH Lit	3	EH 403/404, Shakespeare	3
EH Elective 300 +	6	EH Elective 300 +	3
Minor/Electives	<u>6</u>	Minor/Electives 300 +	6
	18	Computer Literacy*	<u>3</u>
			18

SENIOR YEAR

Fall		Spring	
EH Electives 300 +	9	EH Electives 300 +	9
Minor/Electives 300 +	<u>9</u>	Minor/Electives 300 +	<u>6</u>
	18		15

TOTAL HOURS: 130-134

*See Core Curriculum

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

DEPARTMENT OF FOREIGN LANGUAGES (FL)

118 STONE CENTER

V. Bennett: Department Head

Professor: Bennett

Assistant Professors: Andrisan, Koss, Suco

Instructor: Curren

The Department of Foreign Languages offers a Bachelor of Arts degree with majors available in French, German, and Spanish. Minors are also offered in French, German, 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 must include 101, 102, 201, 202, 303, 304, 310, 320, 321 (or 322 for Spanish majors), 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.

The Department offers the following course of study for students seeking teaching certification in a foreign language teaching field (High School 7-12 or Elementary/High School N-12): 27 hours, which must include 303, 304, 310, 320 and a course in methodology. (Note: The sequence 101, 102, 201, 202 must be taken in *numerical order*; these courses, or exemption from them by placement test, are prerequisites for all courses numbered 300 and above.)

For additional 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.
- 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. 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 French.

- 320. **French Conversation (3).** Intensive practice in conversation. Not open to native speakers.
- 321. **French Civilization (3).** Culture, history, and geography of France.
- 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. 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 German.
- 320. **German Conversation (3).** Development and refinement of oral-aural skills based on contemporary materials and interests. Not open to native speakers.
- 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 works of 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. *No prerequisite.*
- 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
MAJOR: FRENCH, GERMAN, OR SPANISH

FRESHMAN YEAR

Fall		Spring	
FL 101	3	FL 102	3
HY*	3	HY*	3
Natural Science*	4	EH 141, Spch*	2
Social/Behavioral Science*	3	Natural Science*	4
EH Comp 101*	<u>3</u>	EH Comp 102*	<u>3</u>
	16		15

SOPHOMORE YEAR

Fall		Spring	
FL 201	3	FL 202	3
Analysis*	3-5	Analysis*	3-5
Social/Behavioral Science*	3	Wellness*	3
Fine Arts Elective		EH Elective*	3
(ART, MU, DR)*	3	General Elective	<u>3</u>
EH Elective*	<u>3</u>		15-17
	15-17		

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+	12
CS 201*	<u>3</u>	Individ. Study 300+	3
	15	(FH, GN, SH)	<u>3</u>
			18

SENIOR YEAR

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

TOTAL HOURS: 130-134

DEPARTMENT OF GEOGRAPHY (GY) and ANTHROPOLOGY (AN)**237 MARTIN HALL****Johnson: Department Head****Professors: Baucom, Holstein, Johnson, Klimasewski, Sewastynowicz****Instructor: Gregg**

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 derived, not from the subject matter studied, rather from the discipline's technical and methodological approach to the analysis of phenomena.

Students may choose to study numerous topics from the geographic perspective as part of a Liberal Arts education, or may develop programs leading to a variety of career opportunities. Students wishing to develop a career orientation in Geography are urged to meet with the department head regarding assignment to an academic advisor. Courses in Geography have been grouped into suggested concentrations to facilitate choice of electives and to make career opportunities more apparent. The following guide may be used in matching courses to career opportunities.

Career	Concentrations of Primary Importance	Supportive Concentrations
Education	B & C	A
Cartographer	D	A & C
Urban/Regional Planner	C & D	A
Defense/Intelligence Analyst	D	A&B
Environmental Analyst	A & D	
Site Location Analyst	C & D	
Graduate School	D	A & B & C

CONCENTRATIONS**A = Environmental Systems Analysis****C = Urban and Regional Planning****B = Cultural-Area Studies****D = Techniques of Spatial Analysis**

Anthropology is likewise 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.

GEOGRAPHY MAJOR. Requirements for a major in geography may be met with a minimum of thirty-one (31) hours in geography, including the following core courses: GY 110 and 112 or 111 and 113, 202, 208, 220 or 241, 300, and one Regional Course.

In addition, the student must choose twelve (12) hours of electives in courses numbered 300 or above, of which six must be in 400 level courses. GY 401, 402, 403, 404, 405, 480, 481, 482, 483, cannot be used to meet the 400 level requirement.

GEOGRAPHY MINOR. A minor in geography consists of nineteen (19) hours of geography, including GY 110 and 112 or 111 and 113 and GY 120 or 220. A minimum of six hours must be in courses numbered 300 or above. Minors may wish to limit their choice of electives to courses from one to two concentrations, thus creating an emphasis complementary to their major.

ANTHROPOLOGY MINOR. A minor in Anthropology requires a minimum of 18 semester hours, which must include AN 224, 225, 345, and 350. In addition, no more than three hours from among AN 387, 388, and 389 may be applied to the minor.

ENVIRONMENTAL STUDIES GEOGRAPHY MINOR. Students concentrating in Environmental Studies (Biology) may complete a minor in Geography by completing the following courses: GY 110, GY 111, GY 112, GY 113, GY 208, GY 302, GY 344, and GY 460. The minor consists of 20 hours of coursework.

CULTURAL STUDIES MINOR. This minor offers students an interdisciplinary study of culture by examining the subject from both the geographical and anthropological perspectives. This minor will enhance the programs of liberal arts majors in Sociology, Psychology, Geography, History, and Political Science. The Cultural Studies minor consists of 18 hours which must include GY 220 and AN 345. In addition, 6 hours must be chosen from the following: AN 224, 346, 348, 349, 360, 366, 387, 388, 389, 490, 491, or 492. An additional 6 hours must be selected from the following: GY 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, or 489. Only one study tour course from anthropology and one tour course from geography may apply toward the minor.

GEOLOGY MINOR. See department head.

DESCRIPTION OF COURSES

GEOGRAPHY (GY)

A. *Environmental Systems Analysis Concentration*

110. **Physical Geography (3).** Introduction to the interconnected components of the Earth's surface environment: weather/climate (atmosphere) water on the Earth (hydrosphere) plant/animal communities (biosphere).
111. **Physical Geography (3).** Introduction to soils and the ways in which flowing water, ground water, wind, waves, glaciers, mountain building and plate tectonics shape the Earth's surface.
112. **Physical Geography Lab 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 110.
113. **Physical Geography Lab II (1).** One two-hour lab per week. Experiments focused on soils, hydrology and landforms development. Should be taken concurrently with GY 111.
133. **Earth Science for Education Majors (3).** 2 hours lecture/2 hours demonstration. Study of the earth's major natural features and systems emphasizing their origins, distribution and interrelations. EDUCATION MAJORS ONLY.
310. **Geomorphology (3).** *Prerequisites:* GL 241 and 242. An analysis of landforms with an emphasis on earth surface processes contributing to their development.
329. **Coastal Climatology (2).** Introduction to physical factors resulting in climatic conditions of coastal regions, emphasis on the northern Gulf of Mexico. Offered at Sea Lab on Dauphin Island.
331. **Climate and Man (3).** *Prerequisite:* GY 110. A study of climates, how they are classified, and their effect upon human activity.
333. **Meteorology (3).** *Prerequisite:* GY 110. 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 evaluation of those resources upon which we depend for our lives and our lifestyles. Emphasis is on the nature, availability, and distribution of these resources, and problems associated with obtaining, using, disposing of them. Students learn to see connections between their own attitudes, actions and lifestyles and various environmental problems.
479. **Proseminar in Physical Geography (3).** *Prerequisite:* 3 courses from concentration A. The seminar will emphasize selected topics in physical geography.
- 480, 481. **Laboratory Practicum in Physical Geography (1) (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.

B. Cultural-Area Studies Concentration

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.
220. **Cultural Geography (3).** The study of social and cultural patterns, emphasizing the spatial arrangement of man's cultural economic, social, political, and population structures.
- 387, 388, 389. **Study Tour (3) (3) (3).** Two to four week excursions to selected regions of the United States. Students gain first-hand knowledge of those physical and cultural factors which create regional character. Background reading, field lectures, examinations, and a trip log are required under the direction of a geography staff person. Information on fees, transportation and other trip expenses will be available through the instructor. Permission of the instructor is required. NOTE: A student may take all three tours, however, only one tour (three hours) may be counted toward a major or minor in Geography or a minor in Cultural studies.

Regional studies focus upon those things which give character to a region and the interrelations that exist among the various physical and cultural elements of an area. Suggested background: Geography 110, 111, 120, or 220. Study of the following regions is offered in the department:

390. **Geography of North America (3).**
391. **Geography of Latin America (3).**
392. **Geography of Western Europe (3).**
393. **Geography of Near East (3).**
394. **Geography of Far East (3).**
395. **Geography of Africa (3).**
396. **Geography of Soviet Bloc (3).**
397. **Geography of the South (3).**
420. **Historical Geography of the United States (3).** *Prerequisites:* GY 220 and HY 201 and 202. A study of the cultural landscapes of the U.S. and the historical antecedents to urban and rural region development.
489. **Proseminar in Human Geography (3).** *Prerequisites:* Consent of instructor and three courses from concentration B. The seminar will emphasize selected topics in human geography.

C. Urban and Regional Planning Concentration

241. **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.
320. **Political Geography (3).** A study of the spatial aspects of political phenomena from the international to the local scale. Suggested background: Geography 220.
341. **Problems in Location and Transportation (3).** Advanced analysis of the problems confronting industrial firms and retail/service establishments in making locational decisions. The study of associated problems in the movement of goods and people. Emphasis will be placed upon applied techniques of site evaluation and selection. *Prerequisite:* Geography 241.
342. **Urban Geography (3).** *Prerequisite:* GY 220. The study of urban places and their problems, with emphasis upon urban planning.

- 401, 402. **Practicum in Geography (3) (3).** This course is an opportunity for students to gain on-the-job experience with a firm or a government agency in the North-east Alabama area. *Prerequisite: consent of instructor.* Suggested background: Junior or Senior standing, with emphasis in concentrations C and D. Pass/fail grade only.
441. **Regional Planning and Economic Development (3).** The integration of urban study with the larger context of regional planning. Emphasis will be upon techniques of analyzing regional economic development. Suggested background: Geography 342.

D. Techniques of Spatial Analysis Concentration

202. **History of Geographic Thought (3).** 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, location finding, and direction and distance measuring. Emphasis is upon using the topographic map.
300. **Tools of the Geographer (3).** *Prerequisites: EH 101 and 102; GY 110 and 112 or GL 241, 243, and GY 220 or 241.* Introduction to the scientific method, logical and mathematical tools, and the use of geographic methods.
302. **Remote Sensing I (3).** *Prerequisite: GY 208.* A general introduction to the principles and applications of remote sensing with an emphasis on aerial photography.
308. **Cartography I (3).** *Prerequisite: GY 208.* Two hours of lecture, two hours of lab. Introduction to the principles of map making, emphasizing computer-assisted techniques.
- 403, 404, 405. **Independent Study in Geography (1) (1) (1).** This course gives the upper division student an opportunity to pursue research under the direction of a member of the departmental faculty. Consent of the instructor is required. Pass/Fail grade only.
406. **Remote Sensing II (3).** *Prerequisite: GY 302.* An introduction to thermal infrared and microwave sensing of the geographic environment. Advanced instruction in multi-spectral sensing with emphasis on numerical analysis and image processing.
407. **Computer Mapping (3).** *Prerequisite: GY 308.* Advanced instruction in computer cartography techniques with emphasis upon Geographic Information Systems.
408. **Cartography II (3).** *Prerequisite: Geography 308.* Two hours lecture, two hours lab. Advanced instruction in map design plus a survey of modern methods of map production including scribing and photography.
409. **Photogrammetry (3).** *Prerequisite: GY 302.* Two hours lecture, two hours lab. The science of making precise measurements of surface features imaged in aerial photos. Emphasis is upon drawing a topographic map.
410. **Terrain Analysis (3).** *Prerequisites: GY 110, 112 and GL 241, 243.* A study of the methods used in inventorying and classifying land surfaces for man's use.
460. **Field Methods in Applied Geography (3).** *Prerequisite: GY 208.* One hour lecture, four hours lab. An introduction to field surveying and mapping.
- 482, 483. **Laboratory Practicum in Geographic Techniques (1) (1).** Four hours of laboratory each week. Students learn to utilize various pieces of equipment while assisting an instructor in cartography, photogrammetry, or other techniques courses. *Prerequisite: Permission of department head.* Pass/fail grade only.

**BACHELOR OF SCIENCE
MAJOR: GEOGRAPHY**

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch	2
MS 102*, Alg	3	HY*	3
GL 241, Physical GL	3	MS 103, Plane Trig	3
GL 243, GL Lab	1	GL 242, Historical GL	3
AN 224, Intro to Anth	<u>3</u>	GL 244, GL Lab	<u>1</u>
	16		15

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Fine Arts Elective*	3	Wellness*	3
GY 110, GY 112, Physical GY	4	GY Cultural/Economic	3
GY 120, World Reg. GY	3	GY 202, Hist. of GY Thought	3
GY 208, Map Reading	<u>3</u>	CS 201*, Intro. to D.P.	3
	16	Minor/Electives	<u>3</u>
			18

JUNIOR YEAR

Fall		Spring	
GY 300 +/Regional	3	GY 300 +	6
GY 300 +	3	Minor/Electives 300 +	<u>10</u>
Minor/Electives	<u>11</u>		16
	17		

SENIOR YEAR

Fall		Spring	
GY 300 +	3	GY Electives 300 +	3
Minor/Electives 300 +	<u>12</u>	Minor/Electives 300 +	<u>12</u>
	15		15

TOTAL HOURS: 128

*See Core Curriculum

ANTHROPOLOGY (AN)

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. **Survey of North American Indian Cultures (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. **Indians of Middle and South America (3).** Surveys the growth and development of Indian cultures in Mexico, Central America and South America from prehistoric times to the present. Included are the "high cultures" of the Aztec, Maya and Inca; as well as more primitive groups such as the head-hunting, cannibalistic Carib and Jivaro.
350. **Physical Anthropology (3).** An examination of human origins covering evolutionary theory, the fossil record of human ancestry, primatology, genetics, and other topics pertaining to human biology.
360. **Ethnic and Minority Group Relations (3).** Same as SY 360. See Sociology for course descriptions. (AN 360 is cross-listed with SY 360 and only one course may be counted for credit.)
361. **Anthropology of Sexual Behavior (3).** *Prerequisite:* SY 221 or AN 224. 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.
- 387, 388, 389. **Anthropology Study Tour (3) (3) (3).** *Prerequisites:* SY 221, AN 224, 345 or permission of the instructor. Three to six week field trips to selected regions of North America. Background reading, field lectures, examinations, and a trip log are required.
- 410, 411. **Archaeological Field School (3) (3).** This course is designed to provide the student field experience in methodology and techniques of archaeological data recovery.
412. **Lab Techniques in Archaeology (3).** Instruction and experience in the techniques of artifact preparation, analysis, cataloging, and storage.
- 490, 491, 492. **Advanced Seminar in Anthropology (3) (3) (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.
- 493, 494, 495. **Independent Study (1) (1) (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.

GEOLOGY (GL)

DESCRIPTION OF COURSES

241. **Physical Geology (3).** Modern concepts of the Earth's physical composition, crustal structures, and the internal/external forces acting on them.
242. **Historical Geology (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.
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: Geology 241 or consent of instructor.* This course is offered only at the Marine Environmental Sciences Consortium Sea Lab on Dauphin Island.
445. **Marine Paleocology (4).** *Prerequisite: Consent of instructor.* Survey of paleoecology/paleogeography of principle marine fossil groups of Gulf Coastal Plain sediments. This course is offered only at the Dauphin Island Sea Lab.
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: Geology 390, Biology 416, or consent of instructor.* This course is offered only at the Marine Environmental Sciences Consortium Sea Lab on Dauphin Island.
- 483, 484. **Geology Lab Practicum (1) (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.

DEPARTMENT OF HISTORY (HY)

317 STONE CENTER

Jackson: Department Head

Professors: Caldwell, Childress, Hollis, Jackson
Koerper, Robinson, Taylor, Wade, C. Wingo, P. Wingo
Assistant Professor: Marshall

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 or Asian history numbered 300 or above. In addition to the 30 hours of history, Political Science 100 and 202 are required of all students seeking a B.A. degree in history. Students should consult the catalogue for additional degree requirements.

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 or Asian History. In addition to the twenty-seven hours of history, a student must select three hours from the following: Sociology 224, Philosophy 202, or Philosophy 321. For additional Social Science requirements, students should consult the Office of Education Advisement.

DESCRIPTION OF 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. The Far Eastern countries, with special emphasis upon China, Japan, Korea, and India in the modern period; political developments, social, economic, and cultural conditions; international relations in the Far East.
- 332. Russian History to 1855 (3).** *Prerequisites:* History 101, 102. The political, social, and intellectual developments of Russia from the early migrations and consolidation of Muscovy through the Crimean War.
- 333. Russian History Since 1855 (3).** *Prerequisites:* History 101, 102. The political, social, intellectual, and diplomatic developments of Russia from Alexander II to the present.
- 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.
- 401. Age of Absolutism and Revolution: Europe, 1648-1815 (3).** *Prerequisite:* History 101, 102. The cultural, intellectual and political background of modern Europe.
- 402. Nineteenth-Century Europe, 1815-1914 (3).** *Prerequisites:* History 101, 102. The background and progress of the First World War.
- 403. Age of World Conflict: Europe, 1914-1945 (3).** *Prerequisites:* History 101, 102, or consent of the instructor. The sectional and international problems of Europe between two wars, and the genesis and progress of the Second World War.
- 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)
- 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.
- 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.
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 Middle Period of United States History, 1783-1850 (3).** *Prerequisites:* History 201, 202. The American Republic from its formative years during and immediately following the Constitutional Convention until its temporary disruption during the Civil War. The approach is regional, and the Northeast, the South, and expanding West are examined especially as they were influenced by the contemporaneous but conflicting developments of nationalism and sectionalism. Wide opportunities will be offered for reading and individual study.
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. **Recent American History, 1913-1945 (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. (Not open to those who have completed History 305.)
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. (Not open to those who have completed History 308.)
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 since 1945. Emphasis will be placed upon individual reading assignments and research.

BACHELOR OF ARTS MAJOR: HISTORY

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY 101, Western Civ	3	EH 141, Spch	2
PSC 100, Intro to Am Gov't	3	PSC 202, Intro to Pub Policy	3
Natural Science/Analysis*	3-5	HY 102, Western Civ	3
Foreign Language 101	3	Natural Science/Analysis*	3-5
	15-17	Foreign Language 102	3
			17-19

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Natural Science/Analysis*	3-5	Natural Science/Analysis*	3-5
HY 201, Am History	3	Social/Behavioral Science*	3
CS 201*, Intro to D.P.	3	HY 202, Am History	3
Foreign Language 201	3	Foreign Language 202	3
	15-17		15-18

JUNIOR YEAR

Fall		Spring	
Wellness*	3	HY 300 + (Non-American)	3
HY 300 + (Non-American)	3	HY 300 +	3
HY 300 +	3	Minor/Electives 300 +	9
Minor/Electives	6	Minor/Electives	3
	15		18

SENIOR YEAR

Fall		Spring	
HY 300 +	3	HY 300 +	3
Minor/Electives 300 +	<u>15</u>	Minor/Electives 300 +	<u>12</u>
	18		15

TOTAL HOURS: 128-136

*See Core Curriculum

DEPARTMENT OF LEARNING SKILLS

BASEMENT-HOUSTON COLE LIBRARY

McDade: Department Head

Instructors: Brown, Goggans

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, 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.
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. Note 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.
101. **Academic Survival Skills (1).** Individualized instruction in reading, listening, notetaking, study skills. Additional skills taught include effective time management and self-control techniques. Not open to those with senior standing.
102. **Freshman Orientation (2).** Using individualized instruction, this seminar provides supportive guidance in academic problem-solving, decision-making strategies and successful experiences. OPEN TO FRESHMEN ONLY. GRADES: A, B, C, NC.
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).** 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).** 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.*
- 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 resumé writing and interviewing.

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

323 MARTIN HALL/310 BIBB GRAVES HALL

McCormick: Department Head

Professors: Abercrombie, Boswell, Horsfield, Van Cleave,

J. S. White, R. White

Associate Professors: Ford, Kelley, Smith

Assistant Professors: Barry, Chao, J. W. Dempsey, Shirey

Instructors: Allen, Dale, S. Dempsey, Gray, Hendrix,

M. Johnson, Knight, McCormick, Myers, Peters, Reaves

Three majors are available: 1) Mathematics in one of three concentrations; 2) Computer Information Systems for those students who wish to study the theory and application of computers in a business environment; and 3) Computer Science for those students who wish to study the theory and application of computers in a scientific/mathematical environment. The Mathematics concentrations are: 1) Applied Mathematics for students who wish to pursue a career in the applied science and engineering environment; 2) Mathematics Education (B.S. in Secondary Education) for those pursuing a career in teaching at the secondary level; and 3) Mathematics for those intending to enter graduate studies in mathematics. A Certificate of Computer Information Systems and a Certificate of Computer Science is also offered. Students pursuing these certificates must have previously earned a baccalaureate degree from a regionally accredited institution.

A major in Mathematics requires a minimum of 30 hours in courses numbered MS 141 or above. The major includes the calculus sequence, 352, 370, and 12 additional hours with numbers above 300, 6 of which must be numbered 400 or above. Mathematics majors pursuing a concentration other than Mathematics Education are required to take CS 231; those pursuing a Mathematics Education concentration are required to meet the College of Education computer literacy requirement. It is recommended that mathematics majors take one year of physics. Mathematics majors should consult with their mathematics advisor and select courses on the basis of the department's current advisement sheets.

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 major in Computer Information Systems (CIS) requires a minimum of 36 hours including CS 231, 232, 250, 310, 350, 411, and 488. Of the remaining 12 hours of electives, 6 must be 300+ course numbers. Computer Information Systems majors must also complete the required support courses in business and mathematics (see degree model). The minor in CIS requires a minimum of 24 hours including CS 231, 232, 250, 310, 350, 411 and 488.

The major in Computer Science (CS) requires a minimum of 38 hours including CS 231, 232, 331, 334, 350, 453, and 454. Of the remaining 12 hours of CS electives, 6 must be 300+ course numbers. Computer Science majors must also complete the required

support courses in mathematics and physics (see degree model). The minor in Computer Science requires a minimum of 23 hours including CS 231, 232, 331, 333, 334, 350, and 454.

MATHEMATICS (MS)

DESCRIPTION OF COURSES

099. **Intermediate Algebra (3).** *Prerequisite:* LS 098 or placement determined by ACT/SAT. Placement in class determined by satisfactory score on ACT/SAT. Does not count toward core curriculum mathematics requirement. GRADES: A, B, C, NC. Institutional credit only. See section on Institutional Credit. Not open to students with credit in MS 102 or higher.
102. **College Algebra (3).** *Prerequisites:* MS 099 or placement determined by ACT/SAT. Included as part of core curriculum. Not open to students with credit in MS 103 or higher.
103. **Plane Trigonometry (3).** *Prerequisites:* Plane geometry and either Mathematics 102 or satisfactory score on ACT/SAT.
104. **Finite Mathematics (3).** *Prerequisites:* MS 102 or satisfactory score on ACT/SAT. Mathematical logic, set theory, counting and binomial theorem, matrices, and an introduction to probability theory. May be used toward the science requirement for the B.A. Degree. (Department credit not given for mathematics majors and/or minors.)
105. **Precalculus (3).** *Prerequisites:* Plane geometry and 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. **Math Methods for Business (4).** *Prerequisite:* MS 102 or satisfactory score on ACT/SAT. Matrices and determinants with application to systems of linear equations, inequalities, principles of linear programming. Topics in differential and integral calculus with business applications. (Department credit not given for Mathematics majors or minors.)
133. **Mathematical Concepts I (4).** *Prerequisite:* MS 102. Development of and structure of number systems used in elementary school mathematics with special attention given to the integers, rational numbers and real numbers. (Enrollment limited to elementary, early childhood, and special education majors.) Three-hours lecture and two-hours lab.
134. **Mathematical Concepts II (4).** *Prerequisites:* MS 102 and MS 133. Probability and statistics, including counting methods, central tendency and dispersion; geometry; measurements; computers and calculators as tools for problem solving. (Enrollment limited to elementary, early childhood, and special education majors.) Three-hours lecture and two-hours lab.
140. **Analytic Geometry (3).** *Prerequisite:* Mathematics 102 or 103. 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 103.
141. **Calculus I (3).** *Prerequisites:* Plane geometry and Mathematics 102 or a satisfactory score on the ACT/SAT. *Corequisite:* Mathematics 103. Introduction to analytic geometry, functions and limits, differentiation of algebraic functions with applications.

142. **Calculus II (3).** *Prerequisite:* MS 141. The indefinite integral, the definite integral, applications of integration, transcendental functions and techniques of integration.
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. (May not receive credit for MS 204 and ST 260. Department credit not given for Mathematics majors and/or minors.) Lab fee.
241. **Calculus III (3).** *Prerequisite:* MS 142. Indeterminate forms, improper integrals, conic sections, polar coordinates, parametric equations, vectors in the plane and infinite series.
242. **Calculus IV (3).** *Prerequisite:* MS 241. Vector functions in 3-space, partial differentiation and multiple integration.
300. **History of Mathematics (3).** *Prerequisite:* One college math course. Contributions of mathematicians from the early beginnings through the 19th century. May be taken by mathematics majors and minors as an elective, but does not count toward major or minor in mathematics.
304. **Mathematical Statistics I (3).** *Prerequisite:* Mathematics 241. 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. **Mathematical Foundations of Computer Science (3).** *Prerequisite:* CS 254 or equivalent. *Corequisite:* MS 241. Introduction to basic concepts and techniques used in mathematical models in computation. Elements of the predicate calculus. Elements of probability, linear systems and error analysis.
310. **Numerical Analysis (3).** *Prerequisite:* Mathematics 241. Numerical analysis and computing with emphasis on methods adaptable to electronic computing machinery. Lab fee.
311. **Field Experiences in Applied Mathematics (3).** *Prerequisite:* Mathematics 141. Field trips are made to various research laboratories and business corporations to acquaint the student with modern industrial applications of mathematics. Classes will be spent in recapitulating the field experiences of the class and in the working of typical applied problems.
322. **Selected Survey of Secondary School Mathematics (3).** *Prerequisites:* MS 102 and MS 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.
344. **Differential Equations (3).** *Prerequisites:* Mathematics 241 and eight hours of physics or permission of instructor. 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:* Mathematics 241. Algebraic structures, rings, fields, and groups. The axiomatic approach.
352. **Linear Algebra (3).** *Prerequisite:* Mathematics 241. Matrices, linear systems, vector spaces with emphasis on algebraic structures.
370. **Intermediate Analysis (3).** *Prerequisites:* Mathematics 242. Required of all mathematics majors. Real number system, elementary point set theory, limits, theory of continuous functions, differentiable functions.

400. **Senior Seminar in Mathematics (3).** *Prerequisite: Senior standing.* The student will write a paper on an approved topic and will give an oral presentation to the class.
403. **Vector Analysis (3).** *Prerequisites: Mathematics 242 and one year of physics.* The algebra and calculus of vectors; applications to geometry, electricity, harmonic functions, potentials. Matrices and determinants.
404. **Mathematical Statistics II (3).** *Prerequisite: Mathematics 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.
405. **Advanced Calculus (3).** *Prerequisite: Mathematics 370.* Selected topics from advanced calculus. Elements of partial differentiation including the general theorems, Jacobians. Topics on the theory of integration.
423. **A Survey of Geometries (3).** *Prerequisite: MS 142.* A major portion of this course will be devoted to Euclidean geometry. The remaining portion will be devoted to topics selected from finite geometries, non-Euclidean geometry, and other geometries.
451. **Functions of a Complex Variable (3).** *Prerequisite: Mathematics 405 or permission of the instructor.* Fundamental operations with complex numbers, differentiation and integration theorems, mappings, series, and residues.
480. **Introductory Topology (3).** *Prerequisites: Mathematics 370 and one other 300 level course.* Basic topological concepts to include topological spaces, mapping, compactness, connectedness, and separation axioms.
484. **Partial Differential Equations (3).** *Prerequisite: Mathematics 310 or 344 or 403.* Standard methods of solution: separation of variables, Fourier Series, Laplace Transforms. Selected applications.

BACHELOR OF SCIENCE MAJOR: MATHEMATICS

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	Wellness* 3
HY* 3	EH Comp 102 3
Fine Arts Elective* 3	EH 141, Spch 2
Social/Behavioral Science 3	HY* 3
MS 141, Cal II 3	Social/Behavioral Science* 3
15	MS 142, Cal II 3
	17

SOPHOMORE YEAR

Fall	Spring
Literature* 3	Literature 3
MS 241, Cal III 3	MS 242, Cal IV 3
PHS 211 4	MS 300 + 3
PHS 211L 1	PHY 212 4
CS 231, Comp Prog 4	PHS 212L 1
15	14

JUNIOR YEAR

Fall		Spring	
MS 300 +6	MS 370, Intermediate Ana3
Minor/Electives	<u>12</u>	Minor/Electives6
	18	Minor/Electives 300 +	<u>.6</u>
			15

SENIOR YEAR

Fall		Spring	
MS 400 +3	MS 400 +3
Minor/Electives 300 +	<u>15</u>	Minor/Electives 300 +	<u>15</u>
	18		18

TOTAL HOURS: 130

*See Core Curriculum

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/CIS 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/CIS majors and/or minors.) Lab fee.
220. **RPG II Programming (3).** *Prerequisite:* CS 231. A beginning course in RPG II programming. The completion of Report Program Generator specifications will be covered along with report designs. Lab fee.
231. **Computer Programming I (4).** *Prerequisite:* MS 102 or higher level mathematics course. Algorithms, programs and computers. Solution of practical problems using modern, structured programming language. Integral, scheduled laboratory. First computer course for all CS/CIS majors/minors. 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.
237. **Microcomputer Use (3).** *Prerequisite:* CS 201. A continuation of microcomputer operating systems, hardware and commercially available software, i.e., word processors, electronic spreadsheets and database management systems. (Department credit not given for CS/CIS majors and/or minors.) Lab fee.
240. **BASIC Programming (3).** *Prerequisite:* CS 201 or 231. An introduction to computer programing using BASIC. Emphasis on structured programming and problem solving. Integral non-scheduled laboratory. (Department credit not given for CS/CIS majors and/or minors.) 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.

254. **Introduction to FORTRAN (3).** *Prerequisites:* MS 141 and CS 231. An introduction to structured programming in FORTRAN emphasizing solving problems in industry and science. Integral non-scheduled laboratory. Lab fee.
301. **Spreadsheet Applications (3).** *Prerequisite:* CS 201 or 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.
305. **Advanced FORTRAN (3).** *Prerequisite:* CS 254. The FORTRAN language will be used to solve typical scientific and business problems encountered in industry. Projects will be selected to present advanced problems beyond a first course in computer programming. Emphasis will be placed on structured programming and program/project documentation. Normally offered during summer terms. Lab fee.
310. **Fundamentals of Systems Analysis (3).** *Prerequisite:* CS 232. Introduction to the functions of techniques and tools of analysis and synthesis, project management techniques, and the systems development live 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.
315. **Human Factors (3).** *Prerequisite:* CS 232. Examination of current MIS topics in the areas of human processing, use differentiation, dialogue/screen-design, and interface tools. Integral prototype development demonstrating. Lab fee.
320. **Data Processing Systems Management (3).** *Prerequisite:* CS 201 or 231. This course covers the unique problems involved in managing computer-based systems. Emphasis is placed on the definition, evaluation, installation, and continuing management of EDP systems. Issues of planning, control, security and the organizational impact of computer systems are included.
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, transfer and accessing; facilities; I/O architecture.
334. **Discrete Computational Structures (3).** *Prerequisite:* 231. 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. Lab fee.
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.

358. **PL I Programming (3).** *Prerequisite:* CS 232. An introduction to digital computer programming using PL I language. Emphasis on laboratory practice and structured problem-solving techniques. Integral non-scheduled laboratory. 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.
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/CIS 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.
410. **Microcomputing (3).** *Prerequisite:* CS 232. Examination of microcomputers and their role in small to medium firms. Emphasis on applications, I/O operations and file handling in a laboratory environment. 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.
412. **Computer-Oriented Numerical Methods (3).** *Prerequisites:* CS 254 and MS 241. Computer-oriented numerical methods for error analysis, evaluation of functions, root finding, interpolation, functional approximation, numerical integration and differentiation, solution of systems of equations, curve fitting. Lab fee.
415. **Advanced PASCAL (3).** *Prerequisite:* CS 232. Projects will be selected to present advanced problems utilizing PASCAL language. Emphasis will be placed on structured program/project documentation. Normally offered during summer terms. Lab fee.
417. **System Modeling/Simulation (3).** *Prerequisites:* MS 304 or MS 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:* Senior status, CS 232 and one other programming language. Artificial Intelligence is an introduction to the principles and methods used in artificial intelligence programs. Lab fee.
450. **Communications and Security (3).** *Prerequisite:* CS 310. A study of the complex communications requirements for a large computer system and security measures needed to protect that system.
453. **Introduction to 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.
488. **Data Base 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 Design (3).** *Prerequisites:* Senior standing and CS 310 or CS 331. Introduction to the formal design methodologies used in large software projects. Emphasis and experience will be on software engineering concepts within a team environment.
- Management 495. Business Decision Making (3).** May be counted as a Computer Science course. For course description, see Management 495.
496. **Laboratory Practicum (1).** Four hours of laboratory each week. *Prerequisite:* Permission of head of department. Students learn to utilize various computer hardware and softwares while assisting a computer science faculty member. For juniors and seniors. Lab fee.
497. **Business Computer Science Practicum (3).** *Prerequisites:* Senior status and approval of the Department Head. Practical experience in the computer information systems. Lab fee.
498. **Independent Advanced Programming Problems (3).** *Prerequisites:* Senior status and approval of the Department Head. Independent work in writing, debugging, and testing real-life programming problems jointly selected by the student and an assigned Computer Science instructor. Lab fee.
499. **Special Topics (3).** *Prerequisites:* Senior status and approval of Department Head. Exposes student to current or developing topics in computer science or computer information systems. Projects/topics are jointly selected by student and computer science instructor.

**BACHELOR OF SCIENCE
MAJOR: COMPUTER INFORMATION SYSTEMS**

FRESHMAN YEAR

Fall	Spring
EH Comp 101 3	EH Comp 102 3
HY* 3	EH 141, Spch 2
Fine Arts Elective* 3	HY* 3
Wellness 3	Social/Behavioral Science* 3
MS 102*, Alg 3	MS 122 or 141 4-3
15	15-14

SOPHOMORE YEAR

Fall		Spring	
ACC 201, Prin.	3	Literature*	3
Natural Science*	4	Natural Science*	4
CS 231, Comp Prog	4	ACC 202, Prin	3
EC 221, Prin	3	CS 232, Comp Prog	4
MS 204, Basic Stat	<u>3</u>	EC 222, Prin	<u>3</u>
	17		17

JUNIOR YEAR

Fall		Spring	
Literature*	3	CS 300 +	6
MKT 301, Prin	3	CS 350	3
CS 250, Intro to COBOL	4	MGT 301, Prin	3
CS 310, Fund of Systems Ana	3	Minor/Electives 300 +	<u>6</u>
Fin 263, Legal Environment	<u>3</u>		18
	16		

SENIOR YEAR

Fall		Spring	
CS 411, Mgt Info Systems	3	CS 488, Data Base Systems	3
CS 300 +	3	CS 300 +	3
MGT 450, Bus Comm	3	Minor/Electives 300 +	<u>9</u>
FIN 301, Bus Fin	3		15
Minor/Electives 300 +	<u>6</u>		
	18		

TOTAL HOURS: 130-131

*See Core Curriculum

**BACHELOR OF SCIENCE
MAJOR: COMPUTER SCIENCE****FRESHMAN YEAR**

Fall		Spring	
EH Comp 101	3	Wellness*	3
HY*	3	EH Comp 102	3
Fine Arts Elective*	3	EH 141, Spch	2
Social/Behavioral Science*	3	HY*	3
MS 141, Cal I	<u>3</u>	Social/Behavioral Science*	3
	15	MS 142, Cal II	<u>3</u>
			17

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
MS 241, Cal III	3	MS 242, Cal IV	3
PHS 211	4	PHS 212	4
PHS 211L	1	PHS 212L	1
CS 231, Comp Prog	<u>4</u>	CS 232, Comp Prog	4
	15	CS 334, Discrete Struct	<u>3</u>
			18

JUNIOR YEAR

Fall		Spring	
CS 331, Data Structures	3	CS 333	3
CS 300 +	3	CS 350	3
MS 304, Math Stat	3	CS 300 +	3
Minor/Electives	9	MS 310, Num Ana	3
	18	Minor/Electives	6
			18

SENIOR YEAR

Fall		Spring	
CS 454, Assem Lang Prog	3	CS 453, Intro to Prog Lang	3
CS 300 +	3	CS 300 +	3
Minor/Electives 300 +	9	Minor/Electives 300 +	10
	15		16

TOTAL HOURS: 132

*See Core Curriculum

CERTIFICATE IN COMPUTER INFORMATION SYSTEMS (CIS)

CS 231, 232, 250, 310, 350, 411, 488	24
CS Electives (300-400 Level)	6
CS Electives	6
ACC 201, 202	6
FIN 301	3
ST 260	3
MGT 301	3
Total CIS Certificate Requirements	51

CERTIFICATE IN COMPUTER SCIENCE (CS)

CS 231, 232, 331, 333, 334, 350, 453, 454	26
CS Electives (300-400 Level)	3
CS Electives	3
MS 141, 142, 241, 242, 304, 310	18
Total CS Certificate Requirements	50

DEPARTMENT OF PHYSICAL SCIENCES AND ENGINEERING**221 MARTIN HALL****Reid: Department Head****Professors: Cox, Gant, Poore, Reid, Studdard, Yeh****Instructor: Angelette****CHEMISTRY (CY)**

The Department offers, in addition to a major and minor in chemistry, a professional program for those students who desire to become professional chemists.

The professional program consists of a minimum of 44 hours in chemistry including 105, 106, 107, 108, 231, 232, 321, 341, 342, 411, 421, and 8 additional approved hours of Chemistry (400 +). In addition, the following courses are required: Physics 211, 211L, and 212, 212L, Mathematics 141, 142, 242, 344 and 3 hours approved Mathematics (300 +) elective. Students entering Teacher Education must confer with the Department Head concerning the program of study.

A major in Chemistry consists of a minimum of 31 hours in chemistry, including 105, 106, 107, 108, 231, 232, 321, 341, 342, and one of the following: 411, 421, 432. In addition,

Physics 211, 211L, 212, 212L, and Mathematics 141 and 142 are required. Students seeking a chemistry teaching field for an education degree or certification should consult the Academic Advisor, College of Education, for course requirements.

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, 322, 341, or 362.

DESCRIPTION OF COURSES

- 101. Fundamentals of Chemistry (3).** Designed to prepare students with weak backgrounds in chemistry and mathematics for Chemistry 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. Three class periods. Systematic development of the fundamental principles of chemistry. It is strongly recommended that students with weak backgrounds in chemistry and mathematics take Chemistry 101 before attempting Chemistry 105.
- 107. General Chemistry Laboratory I: Basic Techniques (1).** One hour of lecture and two hours of laboratory per week. Basic methods of synthesis, separation and identification of various compounds are emphasized. Should be taken concurrently with Chemistry 105.
- 108. General Chemistry Laboratory II: Synthesis and Analysis (1).** One hour of lecture and two hours of laboratory per week. Basic methods of synthesis, separation and identification of various compounds are emphasized. Should be taken concurrently with Chemistry 106.
- 109. Elementary Organic Chemistry (3).** Three class periods. Not open to students for credit toward a major or minor in chemistry. *Prerequisites:* Chemistry 105 and 107. Principles of Organic Chemistry with emphasis on compounds of biological importance.
- 110. Elementary Organic Chemistry Laboratory (1).** One two-hour laboratory period per week. Experiments that illustrate the basic principles of Organic Chemistry will be performed. Should be taken concurrently with Chemistry 109.
- 164. Physiological Chemistry (4).** Three class periods and one two-hour laboratory. *Prerequisite:* Chemistry 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.
- 201, 202. Chemistry for the Consumer (4) (4).** Two semesters, three class periods and one two-hour laboratory. 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.
- 231, 232. Organic Chemistry (4) (4).** Two semesters. Three class periods and one three-hour laboratory. *Prerequisite:* Chemistry 106. The principles of organic chemistry emphasizing reaction mechanisms. Compounds representing principal organic classes are synthesized and systematically identified.
- 311. Elementary Inorganic Chemistry (3).** Three class periods. *Prerequisite:* Chemistry 106. No credit for chemistry majors. Atomic structure, chemical bonding, periodic relationships and reaction mechanisms.
- 321. Quantitative Analysis (4).** Two class periods and two three-hour laboratory periods. *Prerequisite:* Chemistry 106. Theory and practice of gravimetric, volumetric, potentiometric and colorimetric methods of analysis.
- 341, 342. Physical Chemistry (4) (4).** Two semesters. Three class periods and one three-hour laboratory. *Prerequisites:* Chemistry 232 and 321; Physics 212 and 212L; Mathematics 141 and 142. Structure and properties of matter with emphasis on theoretical principles and the mathematical interpretations.

- 362, 363. **Biochemistry (4) (4).** Three class periods and one three-hour laboratory. *Prerequisite for 362; CY 321. Prerequisite or corequisite for CY 363; CY 232.* Fat, carbohydrates, proteins, and nucleic acids with their metabolic routes. Enzymes and the kinetics of enzymatic action.
- 397, 398. **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.
403. **Chemical Literature (1).** One class period. *Prerequisite: Chemistry 232.* Use of chemical abstracts, journals, and outstanding references and textbooks.
411. **Intermediate Inorganic Chemistry (3).** Three class periods. *Prerequisite: Chemistry 341.* Fundamental topics in organic chemistry including atomic structure, chemical bonding, periodic relationships, acid-base theories, non-aqueous solvents, and reaction mechanisms.
412. **Intermediate Inorganic Laboratory (1).** One three-hour laboratory. *Corequisite: Chemistry 411.* The preparation and properties of inorganic compounds.
421. **Instrumental Analysis (5).** Three class periods and two three-hour laboratories. *Prerequisite: Chemistry 342 required, SCS 256 is strongly recommended.* The operating principles and techniques involving the use of analytical instruments.
- 484, 485, 486. **Laboratory Practicum (1) (1) (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.
- 497, 498, 499. **Senior Research (1) (1) (1).** *Prerequisite: Permission of head of department.* The student is assigned a simple piece of fundamental research.

**BACHELOR OF SCIENCE
MAJOR: CHEMISTRY WITH MATHEMATICS MINOR**

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	Eh 141, Spch	2
Fine Art*	3	HY*	3
MS 102*, Alg	3	MS 103, Plane Trig	3
CY 105, Gen Chem	3	CY 106, Gen Chem	3
CY 107, Chem Lab	1	CY 108, Chem Lab	1
	16		15

SOPHOMORE YEAR

Fall		Spring	
Literature 300+*	3	Literature 300+*	3
MS 141, Cal I	3	MS 142, Cal II	5
CY 231, Organ Chem	4	CY 232, Organ Chem	4
PHS 211	4	PHS 212	4
PHS 211L	1	PHS 212L	1
	15		17

JUNIOR YEAR

Fall		Spring	
CY 341, Physical Chem	4	Social/Behavioral Science*	6
Computer Literacy*	3	CY 342, Physical Chem	4
CY 321, Quant. Ana	4	MS 300+	3
MS 243, Cal III	4	Wellness 300+	3
	15		16

SENIOR YEAR

Fall	Spring
CY Elective 400+ ** 3-3	General Electives 300+ 17
MS 300+ 3	17
General Electives 300+ 11-9	
17	

TOTAL HOURS: 128

*See Core Curriculum

**CY Elective 411, 421

PHYSICS (PHS)

Requirements for a major in physics include 34 semester hours as follows (the courses are customarily taken in the order indicated): 211*, 211L, 212, 212L, EG 201, EG 202, 301, 301L, EG 361, 343, 343L, 443, 443L, and 491. The following prerequisites are necessary: MS 141, 142, 241, 242, 344, 403, 484, CY 105, 106, 107, 108. Highly desirable are: EG 112, 121. Students in the Teacher Education Program should confer with the department head concerning their course requirements.

Requirements for a minor in physics include: 211*, 211L, 212, 212L, 301, 301L, and nine hours in physics beyond the 200 level. These courses will be selected in conference with the physics department student adviser, and must include at least one additional laboratory course beyond the 200 level.

The General Science teaching field consists of Physical Science, Physics, Chemistry, and Biology totaling 54 semester hours. Students should consult the College of Education (Advisement-Certification Office) for listing of required courses.

DESCRIPTION OF COURSES

- 099. Fundamentals of Physics (3).** Computation, graphing, manipulation of vectors, etc. Institutional credit only; not to be counted toward Core Curriculum requirement.
- 201, 202. College Physics (3) (3).** Two semesters *Prerequisites:* MS 102, 103, or credit in high school algebra and trigonometry. *Corequisites:* Physics 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. *Prerequisite:* or concurrently: MS 141, 142. *Corequisites:* Physics 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:* Physics 201, 202 or 211, 212. Two laboratory hours each week. To illustrate basic physical laws and give the student proficiency in the manipulation of apparatus. The theory of errors is stressed.
- Physics 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).** Three lectures, one laboratory weekly. The solar system, time, space, and gravitation. The sun and stars; meteors, comets and meteorites; galaxies and cosmology. Formerly, Gen Science 201. May not count as Physics elective.

*Students who have not taken high school physics may wish to schedule PHS 099 prior to taking 201, 202 or 211, 212.

272. **Stellar Astronomy (3).** Two lectures, two hours laboratory weekly. Analysis of data obtained with the telescope and auxiliary equipment; spatial and photometric properties of stars. Formerly, Gen. Science 202. May not count as Physics elective.
301. **Modern Physics (3).** *Prerequisites:* CY 105, 106, 107, 108. *Corequisite:* Physics 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:* Physics 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 control 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:* Physics 331L. Electrical measurements, power supplies, amplification by vacuum tubes and transistors, oscillators.
- 331L. **Electronics Laboratory (1).** *Corequisite:* Physics 331. Three laboratory hours each week. Circuits described in Physics 331 are assembled and tested.
332. **Physics of Music (3).** *No prerequisite:* Designed to acquaint music majors with some aspects of sound and music. Topics include vibration of stretched strings, rods, plates, and air columns; characteristics of waves, such as reflection, refraction, interference, and diffraction; wavelength, frequency, and velocity; fundamental and overtones.
- 339A, 339B, 339C,... (1). *No prerequisite.* One class meeting per week. A modular course about a topic of interest in the non-mathematical, 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. May 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 243. *Prerequisites or corequisites:* Physics 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:* 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 major in Department of Physics. For description, see Engineering 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, 412, 413, 414. **Laboratory Practicum (1) (1) (1) (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.
443. **Electrodynamics (3).** *Prerequisite: Physics 343. Prerequisite or corequisite: Physics 443L.* Electromagnetic waves in free space and matter, reflection and refraction of 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: Physics 443.* Three laboratory hours a week. A continuation of Physics 343L. Nonlinear devices, negative feedback, positive feedback and oscillation, microwave production, propagation, reflection, polarization, and diffraction.
491. **Quantum Mechanics (3).** *Prerequisites: Physics 301, 441, 443, MS 484.* Review of mathematical methods including linear operators, matrices, eigenfunctions, 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.

INTERDISCIPLINARY SCIENCE (IS)

226. **Physical Science for Education I (3).** *Prerequisite: EEd. and ECE majors.* Fundamentals of physics, chemistry, geology, meteorology and astronomy, as outlined in Alabama Course of Study.
- 226L. **Physical Science Lab I (1).** Companion course to Physical Science for Education I. Students perform experiments with equipment they make and retain for later use in public schools.
227. **Physical Science for Education II (3).** *Prerequisite: IS 226, 226L. EEd. and ECE major.* Fundamentals of physics, chemistry, geology, meteorology and astronomy, as outlined in Alabama Course of Study.
- 227L. **Physical Science Lab II (1).** Companion course to Physical Science for Education II. Students perform experiments with commonly-obtainable materials, the experiments suitable for later use in the public schools.
228. **Biological Science for Education (3).** *Prerequisite: IS 227, 227L. EEd. and ECE major.* The concepts of biology, as outlined in Alabama Course of Study.
- 228L. **Biological Science for Education Lab (1).** Companion course to Biological Science for Education. Students will perform experiments that are designed to enhance lecture material and involve them in the process of science.

ENGINEERING (EG)

The objectives of the Engineering Program are: (1) to offer 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 schools and (2) to offer a minor in basic engineering 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.

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.

A minor in engineering requires the following engineering courses: 112, 121, 226, 201, 202, 255, 343, 361, and 373. In addition, a minor in engineering must present credit for Chemistry 105, 106, 107, 108; Mathematics 141, 142, 243, 344; Physics 211, 211L, 212, 212L.

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, 242, 344, PHS 211, 211L, 212, 212L, EG 112, 121, 201, 202, 226, 255.

DESCRIPTION OF COURSES

112. **Engineering Methods (2).** One hour lecture and two hours laboratory each week. *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.
121. **Engineering Graphics I (3).** One hour lecture and five hours laboratory each week. *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. Lab fee.
201. **Applied Mechanics-Statics (3).** *Prerequisites:* Engineering 112, Physics 211, and *prerequisite 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:* Engineering 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, 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. Two hours of lecture and three hours of laboratory each week. 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 of error, and land surveying.
- Computer Science 254. Introduction to FORTRAN (3).** May be counted as an Engineering course. For description, see Computer Science 254.
255. **Engineering Computation (3).** *Prerequisite:* Math 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).** Three laboratory hours per week. *Corequisite:* EG 226. Experiments related to electrical circuits. Application and verification of the principles in electrical circuits.

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:* Engineering 201 and Mathematics 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 243 and Physics 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 Physics 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). Three laboratory hours per week. 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.

Computer Science 412. Computer-Oriented Numerical Methods (3). May be counted as an Engineering course. For descriptions, see Computer Science 412.

BACHELOR OF SCIENCE MAJOR: PHYSICS WITH MATHEMATICS MINOR

FRESHMAN YEAR

Fall	Spring
EH Comp 101	EH Comp 102
MS 141, Cal I	EH 141, Spch
CY 105, Gen Chem	EG 112, Engin Methods
CY 107, Chem Lab	CY 106, Gen Chem
EG 121, Engin Graphics	CY 108, Chem Lab
Fine Arts Elective*	MS 142, Cal II
16	16

SOPHOMORE YEAR

Fall	Spring
Literature*	Literature*
HY*	HY*
PHY 211	Social/Behavioral Science*
PHY 211L	PHS 212
MS 243, Cal III	PHS 212L
15	17

JUNIOR YEAR

Fall	Spring
Social/Behavioral Science*	PHS 343, Electro Magnetic Fields
Wellness*	PHS 343L, Lab
PHS 301, Modern Physics	PHS 443, Electrodynamics
PHS 301L, Lab	MS 484, Partial Diff Equations
EG 201	Computer Literacy*
MS 403, Vector Analysis	EG 202
16	16

SENIOR YEAR

Fall	Spring
PHS 443, Electrodynamics 3	PHS 491, Quantum Mechanics 3
PHS 443L, Lab 1	General Electives 300 + 12
EG 361, Thermodynamics 3	
General Electives 300 + 10	15
17	

TOTAL HOURS 128

*See Core Curriculum

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

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 202, 203, 342, 352, 385, 386, 441, 443, 444, 445, 447, 450, and 481.

Global Studies: PSC 332, 375, 376, 377, 380, 421, 423, 432, 433, 434, 436, and 455.

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, provides application and informational materials for the Law School Admissions Test (LSAT), and offers a computerized prep course for the 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 375, 376, 377, 421, 433, 434, 436, and 455**

Geography: (six hours*)

GY 320

Three hours selected from GY 390, 391, 392, 393, 394, 395, 396, 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, 402, 403, 404, 465, 470, 471, 473, 480, and 481**

Sociology—SY 359 and 366

College of Commerce and Business Administration

EC 300, 301, 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. These courses may also count toward the core curriculum History and Social/Behavioral Science requirements.

*Courses counted toward the major may not also be counted toward the International Studies minor.

**Where possible, all area specific courses should focus on the same area: Western Europe, 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. (NOTE: Those who have credit for PSC 201 may not receive credit for PSC 100.)

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.

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.
434. **Governments of Russia and Soviet Satellites (3).** Development and organization of the communist system in Russia and the satellite states of Eastern Europe.
436. **The Policies 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.
494. **Internship Emergency Management (3).** *Prerequisite: 15 hours of political science.* Involves supervised placement in Calhoun County Emergency Management Agency two half days per week. Agency plans for and supervises reaction to chemical, weather, and nuclear emergencies. (Pass-Fail Grade only)
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
MAJOR: POLITICAL SCIENCE**

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch	2
Natural Science/Analysis*	3-5	HY*	3
Fine Arts Elective*	3	Natural Science/Analysis*	3-5
PSC 100, Intro to Am Gov't	3	PSC 102	3
	15-17		14-16

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Natural Science/Analysis*	3-5	Natural Science/Analysis	3-5
Social/Behavioral Science*	3	Social/Behavioral Science*	3
PSC American Government Elective	3	Wellness*	3
CJ 101, Intro to CJ	3	PSC Theory & Method. Elective	3
	15-17		15-17

JUNIOR YEAR

Fall		Spring	
PSC Global Studies Elective	3	PSC American Government Elect	3
CS 201*, Intro to D.P.	3	PSC Global Studies Elective	3
Minor Electives	12	Minor/Electives 300 +	9
	18		15

SENIOR YEAR

Fall		Spring	
PSC Theory & Method. Elective	3	PSC 300 +	3
PSC 300 +	3	Minor/Electives 300 +	15
Minor/Electives 300 +	12		18
	18		

TOTAL HOURS: 128-136

*See Core Curriculum

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

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch	2
Natural Science/Analysis*	3-5	HY*	3
Fine Arts Elective*	3	Natural Science/Analysis*	3-5
PSC 100, Intro to Am Gov't	3	PSC 102	3
	15-17	PHY 202	3
			17-19

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Natural Science/Analysis*	3-5	Natural Science/Analysis*	3-5
Social/Behavioral Science*	3	Social/Behavioral Science*	3
PSC American Government Elective	3	EC 222	3
CJ 101, Intro to CJ	<u>3</u>	PSC Theory & Method. Elect.	<u>3</u>
	15-17		15-17

JUNIOR YEAR

Fall		Spring	
Wellness*	3	PSC American Government Elect.	3
PSC Global Studies Elective	3	Minor/Electives 300 +	3
CS 201*, Intro to D.P.	3	PSC Global Studies Elective	<u>3</u>
FIN 341, Prin of RL Est	3		15
EH 344, Adv Comp	3		
Minor/Electives 300 +	<u>3</u>		
	18		

SENIOR YEAR

Fall		Spring	
PSC Theory & Method. Elective	3	PSC 444, Constitutional Law	3
PSC 443, Constitutional Law	3	ACC 202, Prin	3
ACC 201, Prin	3	Minor/Electives 300 +	<u>12</u>
Minor/Electives 300 +	<u>6</u>		18
	15		

TOTAL HOURS: 128-136

*See Core Curriculum

DEPARTMENT OF PHILOSOPHY, ETHICS, AND RELIGION

226 AYERS HALL

Wilson: 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 IN PHILOSOPHY,
ETHICS, AND RELIGION (PHY)**

201. **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.
321. **Introduction to Philosophy (3).** The meaning, scope, problems and methods of philosophy. Use is made of original materials.
322. **Ancient Philosophy (3).** The development of philosophy in the western world from its inception in Greece through the early medieval period.
331. **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.
341. **Philosophy of Science (3).** The methods, presuppositions, and principles of explanation in the natural and behavioral sciences.

DEPARTMENT OF PSYCHOLOGY (PSY)

226 AYERS HALL

Wilson: Department Head

Professors: Bitgood, Crowe, McDade, Palya,
Patterson, Peters, Smith, Suarez-Crowe, Wilson

Assistant Professor: Woody-Ramsey

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.

A major in psychology requires a minimum of thirty-two (32) hours of psychology, including 201, 220, 220L, 310, 310L, 340*, 410, or 420, and including fifteen (15) hours of advanced electives in psychology courses numbered 300 or above.

The requirements for a minor may be met by taking twenty (20) hours of psychology, including 201, 220, 220L, 310, 310L, 340* and including six (6) hours of advanced electives in psychology courses numbered 300 or above.

*Or an equivalent Statistics course

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 principle 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.
250. **Basic Computer Applications in Psychology (3).** *Prerequisite:* PSY 201. A general background in both hardware and software is provided so that computers can be used as effective tools in Psychology. The course focuses on small computers: how the electronics work, how to fix many of their problems in a few minutes, how to use operating systems, and how to program in BASIC. Lab fee.
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.

315. **Analysis of Animal Behavior (3).** *Prerequisites:* PSY 310, 310L. Examines behaviors which are correlated with species membership, consequences of species' specific behaviors, and associated structural differences. Two class periods and one laboratory period a week.
316. **Sensory Processes (3).** *Prerequisites:* PSY 310, 310L. The mechanisms associated with sensory stimulation are examined. Covers basic psychophysical relationships.
320. **Analysis of Child Behavior (3).** *Prerequisite:* PSY 220. Examines specific techniques for changing the behavior of children and youth in the home, in school, and other settings.
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. Basic statistical concept 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.
355. **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.
360. **Human Assessment (3).** *Prerequisites:* PSY 220, 340. Assessment and evaluation of human behavior using standardized tests, physiological techniques and behavioral techniques.
370. **Assessment in Organizations (3).** *Prerequisites:* PSY 201, 340 or equivalent. Introduction to basic concepts related to assessment and evaluation of behavior with emphasis on selection and placement. Ability, aptitude, interest and personality tests are covered.
371. **Organizational Behavior (3).** *Prerequisite:* PSY 201. An examination of applied psychology in organizational settings. Topics concerned include: job design, motivation, group dynamics, and organizational leadership.
372. **Human Factors Analysis (3).** *Prerequisite:* PSY 201. A treatment of the relationship between man and his environment with particular emphasis on man-machine relations, work conditions, the design of work behavior and work settings, and accident control.

THE FOLLOWING COURSES REQUIRE JUNIOR STANDING

400. **Physiological Psychology (4).** *Prerequisites:* PSY 310, 310L and consent of instructor. Two class periods and two laboratory periods a week. Study of the physiological structures and mechanisms which mediate between environmental events and behavior.
410. **History and Theories of Psychology (3)** *Prerequisites:* PSY 310, 310L. Examines the historical evolution of modern psychology and the conceptual systems which have been developed.
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. **Behavioral Medicine (3).** *Prerequisite:* PSY 220. This course will focus upon 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. Pass/Fail grade only.
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.
- 460, 461. **Senior Practicum (3) (3).** *Prerequisites:* PSY 310, 310L, and 9 additional hours in psychology. Practiced in behavioral techniques in an instructional setting. Pass/Fail grade only.
- 470, 471. **Clinical Practicum (3) (3).** *Prerequisites:* PSY 220, 220L. and consent of instructor. Design and implementation of behavior therapy programs through the Jacksonville State University Clinic. Pass/Fail grade only.
- 480, 481. **Community Practicum (3) (3).** *Prerequisites:* PSY 220, 220L, 320, 330, and consent of instructor. Practice of psychological techniques in a community organization such as mental health clinics and the juvenile detention center. Pass/Fail grade only.
490. **Seminar in Industrial Organization Psychology (3).** *Prerequisite:* PSY 370 or 371 or consent of instructor. Examines recent research and problems in the I/O Psychology field.

**BACHELOR OF SCIENCE
MAJOR: PSYCHOLOGY**

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
Natural Science*	4	EH 141, Spch	2
CS 201*, Intro to D.P.	3	MS 102*, Alg	3
Wellness*	3	Natural Science*	4
PSY 201, Prin	<u>3</u>	PSY 220, Prin of Beh Ana	3
	16	PSY 220L, Lab	<u>1</u>
			16

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
Analysis*	3-5	History*	3
Social Behavioral Science*	3	PSY 310, Exper Methods	3
History*	3	PSY 310L, Lab	1
PSY 340, Stat for Life Sci	<u>3</u>	PSY 300 +	3
	15-17	Fine Arts*	<u>3</u>
			16

JUNIOR YEAR

Fall		Spring	
PSY 300 +	6	PSY 300 +	3
Minor/Electives	6	Minor/Electives	6
Elective 300 +	<u>3</u>	Elective	<u>3</u>
	15		18

SENIOR YEAR

Fall		Spring	
PSY 300 +	3	PSY 300 +	3
Minor/Electives 300 +	6	Minor/Electives 300 +	9
Minor/Electives	<u>9</u>	General Elective	<u>3</u>
	18		15

TOTAL HOURS: 129-131

*See Core Curriculum

DEPARTMENT OF SOCIOLOGY (SY) AND SOCIAL WORK (SW)

306 BREWER HALL

Turner: Department Head

Professors: Adams, Aveni, Fagan, Friery, Hill, McCain

Associate Professor: Dunaway

Assistant Professor: Turner

Instructor: Smith

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; 301; 304 or its equivalent; 427; 499; and one of the following courses: 313, 324, 325, or 360. The other 12 hours are elective and may be selected from SY courses. SW 330 may be substituted for 3 of the 12 hours. Students have two options to fulfill the University computer literacy requirement. One is to take CS 201 (3 credits). The other is to take CS 100 (1 credit) and SY 303 (3 credits).

Introduction to Sociology is a prerequisite introductory course that should be taken during the freshman or early sophomore year. It is strongly urged that 301 and 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 should not be scheduled until late in the junior year or the senior year. SY 499 should be taken late in 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.

MAJOR IN SOCIAL WORK (B.S.W.). Students completing the B.S.W. will be prepared for entry-level generalist social work practice. The requirements for a major in Social Work are 36 semester hours which include SW 330, 332, 380, 381, 390, 391, 449, 450 and SY 301 and 360. Students majoring in Social Work are required to have a minor. A 2.25 GPA in the social work major is required for graduation. Admission to the Social Work Program requires completion of 30 semester hours, a 2.25 GPA, and passing SW 330 with a "C" or better. Application forms for admission to the Social Work Program may be obtained from the Departmental office or from any Social Work faculty member. Students must have been formally accepted to the Social Work Program before taking SW 449/450.

Introduction to Social Work is a prerequisite to all other social work courses and must be passed with a grade of "C" or better for admission to the Social Work Program. Students should work closely with a social work advisor to plan a sequential course of study. Students are encouraged to take the social work elective courses, SW 333, 334, 335, 392, 441, and approved courses, to further broaden their knowledge and understanding of the profession. **SPECIAL CORE REQUIREMENTS FOR SOCIAL WORK MAJORS:** Natural Science: BY 101 & 103, 102 & 104; Social Science: EC 222, PSC 100, PSY 201, and SY 221; Analysis: MS 102 and MS 204; Computer Literacy: CS 201 or CS 100 and SY 303.

SOCIOLOGY MINOR. A minor in Sociology is offered within the Department of Sociology. 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; one of the following courses - SY 223, 301, or 360; two of the following courses - SY 312, SY 364, SY 366, SY 441, SY 442, SY 443, SY 452, SY 495, SW 330, SW 332, SW 334, SW 335, SW 380, or SW 381; and one of the following courses - *FSC 322, *HLT 318, *HLT 420, HY 455, *REC 311.

SOCIAL WORK MINOR. A minor in Social Work may be earned by taking 18 semester hours. Social Work courses required are SW 330, 380, and 390. The remaining nine hours will be taken from among the following list of Social Work courses: SW 332, 333, 334, 335, 381, 392, and other approved courses.

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.
312. **Human Sexuality: A Sociological Perspective (3).** *Prerequisite:* SY 221 and must have consent of instructor. Course open only to those entering "helping professions" (Sociology, Social Work, Counseling, Teaching, etc.). A study of mature human sexuality in its physiological, psychological, and sociological aspects, including the cultural myths surrounding human sexuality.
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.
314. **Small Groups (3).** *Prerequisite:* SY 221 or permission of instructor. Theory and research relating to the dynamics of small groups; the individual in a social situation; structure, functions, and processes; leadership; control and change.
315. **Deviant Behavior (3).** *Prerequisite:* SY 221. Introduction to the social and culture 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. Pass/Fail grade only.
351. **Urban Sociology (3).** *Prerequisite:* SY 221. Development of urban areas; planned communities or new towns; urban politics; and urban problems such as transportation, pollution, housing, etc.
356. **Collective Behavior and Social Movements (3).** *Prerequisite:* SY 221. Crowds, mass behavior, fashions and fads, reform movements and revolutions are examined. Current examples are used to illustrate models and theories.
359. **Population: World Problems (3).** *Prerequisite:* SY 221. A sociological examination of population growth, migration, fertility, and mortality. Exploration of certain world problems such as hunger, pollution, nuclear threat, resource scarcity.
360. **Ethnic and Minority Group Relations (3).** *Prerequisite:* SY 221. (SY 360 is cross-listed with AN 360 and only one course may be counted for credit.) 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. (SY 364 is cross-listed with AN 364 and only one course may be counted for credit.) 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 (SY 366 is cross-listed with AN 366 and only one course may be counted for credit). 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.
400. **The Community (3).** *Prerequisite:* Permission of instructor. The community as a cultural and social system, its nature and characteristics; interrelationships between social service, political, economic, educational, religious, ethnic, occupational and other systems; methods of studying communities with attention to making communities more liveable.
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.

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.
332. **Social Policy and Services (3).** *Prerequisite:* SW 330. The focus is on social welfare policy analysis and formulation. Specific social problems and current policies that guide the programs designed to alleviate them are presented.
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.
380. **Human Behavior and Social Environment I (3).** *Prerequisites:* SW 330, 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.
381. **Human Behavior and Social Environment II (3).** *Prerequisite:* 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. **Methods of Social Work Practice I (3).** *Prerequisite:* SW 330. Models of social work practice, ethics and values of the social work profession, and basic helping skills will be studied. Interviewing, case recording, contracting, and problem solving skills will be developed by students.

391. **Methods of Social Work Practice II (3).** *Prerequisite:* SW 390. Advanced practice skills will be developed for work with families, groups and community practice techniques will be reviewed.
392. **Rational Emotive Ed. (3).** *Prerequisite:* None. The process of how emotions work and how humans can learn to behave more rationally in dealing with anger, anxiety, and depression are reviewed.
441. **Independent Study (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.
449. **Field Instruction (6).** *Prerequisites:* All required social work courses, senior status, and permission of instructor. Internship in a social service agency for 200 hours per semester of supervised practice accompanied by a seminar. Must be taken concurrently with SY 450. Pass/Fail grade only.
450. **Field Instruction II (6).** *Prerequisites:* All required social work courses, senior status, and permission of instructor. Internship in a social service agency for 200 hours per semester of supervised practice accompanied by a seminar. Must be taken concurrently with SY 449. Pass/Fail grade only.

BACHELOR OF SCIENCE MAJOR: SOCIOLOGY

FRESHMAN YEAR

Fall	Spring
EH Comp 101	EH Comp 102
HY*	EH 141, Spch
Natural Science*	HY*
Fine Arts Elective*	Natural Science*
SY 221, Intro to Soc	SY Elective
<u>3</u>	<u>3</u>
16	15

SOPHOMORE YEAR

Fall	Spring
Literature*	Literature*
MS 102*, Alg	Analysis*
Social/Behavioral Science*	SY 304, Social Stat
Wellness*	Minor/Electives
SY 301, Soc Methods	
<u>3</u>	<u>6</u>
15	15-17

JUNIOR YEAR

Fall	Spring
SY 300 +	SY 300 +
SY 300 +	Minor/Electives
Minor/Electives	Minor/Electives 300 +
¹ CS 201	
<u>3-4</u>	<u>6</u>
18-19	18

SENIOR YEAR

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

TOTAL HOURS: 128-130

*See Core Curriculum

¹See Sociology major requirements for Computer Literacy option.BACHELOR OF SOCIAL WORK
MAJOR: SOCIAL WORK

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
HY*	3	EH 141, Spch	2
BY 101, Intro to Bio	3	HY*	3
BY 103, Bio Lab	1	BY 102, Intro to Bio	3
Fine Art Elective*	3	BY 104, Bio Lab	1
SY 221, Intro to Soc	<u>3</u>	PSY 201, Prin	<u>2</u>
	16		15

SOPHOMORE YEAR

Fall		Spring	
Literature*	3	Literature*	3
MS 102, Alg	3	MS 204, Stat	3
EC 222, Macro EL	3	SY 360	3
PSC 100, Intro to Am Gov't	3	CS 201	3
Wellness*	3	Minor/Electives	<u>6</u>
Minor/Electives	<u>3</u>		18
	18		

JUNIOR YEAR

Fall		Spring	
SW 330, Intro to SW	3	SW 380	3
SY 301, Soc Methods	3	SW 332, Social Policy and Svcs	3
Minor/Electives	<u>10</u>	SW 390	3
	16	Minor/Electives 300 +	<u>9</u>
			18

SENIOR YEAR

Fall		Spring	
SW 381, HBSE II	3	SW 449, Field Instruction I	6
SW 391, Practice II	3	SW 450, Field Instruction II	<u>6</u>
Minor/Electives 300 +	<u>9</u>		12
	15		

TOTAL HOURS: 128

*See Core Curriculum

¹See Social Work major requirements for Computer Literacy option.

LURLEEN B. WALLACE COLLEGE OF NURSING

131 WALLACE HALL

**Accredited by:
The Council of Baccalaureate and Higher Degree Programs
of the National League for Nursing**

**Roberta O. Watts: Dean
Professors: Camp, Latham, Roberts, Watts
Associate Professors: Ford, Foster, Freeman, Goodman, Guice, Hembree,
Lavendar, Thornhill
Assistant Professor: Smith
Instructor: Hamrick**

The College of Nursing offers a four-year baccalaureate degree with a major in nursing that enables the program graduate 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 of nursing.

Students are admitted to the nursing major in the spring and fall of each year. Those seeking admission to the major must contact the Coordinator of Student Services of the College of Nursing at least three months prior to date of entry to establish records for acceptance.

At the date of entry into the nursing major, student shall show completion of prerequisite courses and a Grade Point Average of 2.50. A minimum grade of "C" is required in each prerequisite course (See College of Nursing Bulletin).

Each student's record will be reviewed as a basis for approval into the nursing major. Because of limited clinical resources, all students who qualify may not be admitted.

Students must comply with all College of Nursing policies for entrance into and continuation in the nursing major.

DESCRIPTION OF COURSES

NURSING (NU)

- 100. Introduction to the Profession of Nursing (2).** Course explores significant major influences on nursing from ancient to present time. Professionalism, nursing philosophy, nursing process, roles of nurses, and medical terminology are emphasized.
- 202. Fundamentals of Nursing Process (6).** First clinical nursing course provides first contact with health status of individuals/families and emphasizes the nursing process, problem-solving, communication, leadership, and manipulated skills. Requires formal acceptance into nursing major prior to registration. Lab fee.
- 204. Nursing Theory Formulation in Professional Nursing (2).** A course which explores theories and concepts as an operational framework for the provision of nursing care to individuals, families, and communities. Should be scheduled the term before the student enters the clinical sequence.
- 208. Nursing Process in Health Assessment (3).** A sophomore level course. The focus is upon patient assessment and nursing diagnosis, utilizing the approaches of history-taking and physical examination.
- 212. Introduction to the Professional Role (10).** For RN and LPN students only. This course is designed to assist the Registered Nurse and the Licensed Practical Nurse in making the transition to baccalaureate nursing education.

- 305. **Pharmacology (4).** An examination of the scientific bases of drug therapy and drug action with nursing interventions.
- 308. **Current Issues in Professional Nursing (2).** *Prerequisites: Sophomore Level nursing courses.* Course focuses on current and historic influences of social, political, religious, and economic forces in development of nursing and nursing practice in present-day society.
- 310. **Psychosocial Concepts in Nursing (2).** Provides an overview of psychosocial concepts with an emphasis on the communication process, group dynamics and stress management. Offered only in May term.
- 315. **Nursing Processes in Maternal-Infant Health (6).** *Prerequisites: Sophomore level courses.* A clinical course designed to enable the student to practice the various roles assumed by professional nurses in the provision of family centered maternity care. Lab fee.
- 317. **Computers in Nursing (2).** *Prerequisite: CS 100.* Course provides opportunity for students to view computers as a valuable resource in bringing about positive changes in the practice and the profession of nursing. Lab fee.
- 318. **Nursing Process in Child Health (6).** *Prerequisites: Sophomore level courses.* Course 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.
- 321. **Nursing Process in Adult Health I (6).** *Prerequisites: Sophomore level courses.* Course through which students learn the responsibilities of the professional nurse in providing nursing care to the adult patient with various medical-surgical problems. Lab fee.
- 330. **Concepts of Human Sexuality (3).** Junior elective in nursing. Selected conceptions and misconceptions of human sexuality are analyzed in relationship to their implications for the professional nurse role. Requires completion of coursework supportive of interest area.
- 333. **Concepts of Emergency/Disaster Nursing (3).** Junior elective in nursing. *Prerequisite: NU 321.* Course designed to assist students in utilizing knowledge from the biophysical and psychosocial sciences to implement care for patients in the prehospital emergency setting. Requires completion of coursework supportive of interest area.
- 402. **Leadership Concepts in Professional Nursing (3).** *Prerequisites: Sophomore and junior level courses.* Provides an overview of concepts of professional leadership with emphasis on organizational structure, personnel, and economic factors that influence effective functioning.
- 410. **Senior Practicum (3).** Senior elective in nursing. *Prerequisites: Sophomore and junior level courses.* This course offers the student 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.
- 415. **Nursing Process in Adult Health II (6).** *Prerequisites: Sophomore and junior level 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.
- 421. **Nursing Process in Community Health (6).** *Prerequisites: Sophomore and junior level 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.

425. **Ethics in Professional Nursing (3).** Senior elective in nursing. *Prerequisites:* *Sophomore and junior level courses.* Course designed to enable students to examine ethical issues intertwined with delivery of health care in relation to moral, legal, and professional standards. Requires completion of coursework supportive of interest area.
430. **Nursing Process in Mental Health (6).** *Prerequisites:* *Sophomore and junior level courses.* Course 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.
440. **Nursing Research (2).** *Prerequisites:* *Sophomore and junior level courses.* A capstone course to the "Investigative Process" in which the student develops competence in research.
444. **Implementation of Professional Nurse Role (3).** Senior nursing elective. Experience an in-depth analysis of professional nurse role in selected clinical settings. Credit for ROTC Advanced Camp may be given with approval.
445. **Concepts of Staff Development (3).** Senior nursing elective. *Prerequisites:* *Sophomore and junior level courses.* 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. Requires completion of coursework supportive of interest area.
446. **Independent Study (2).** *Prerequisite:* *Permission of Advisor.* Special project in nursing studies.
447. **Independent Study (1).** *Prerequisite:* *Permission of Advisor.* Special project in nursing studies.

FRESHMAN YEAR

Fall		Spring	
EH Comp 101	3	EH Comp 102	3
MS 102, Alg	3	EH 141, Spch	2
BY 263, Hum Antmy and Phys	3	BY 264, Hum Antmy and Phys	3
NU 100, Intro to Prof Nsg	2	CY 105, Gen Chem	3
PSY 201, Prin of Psy	3	CY 107, Lab	1
	14	CS 100, Intro to Comp	1
			13
May			
FCS 322, Normal Nutr	3		
SY 221, Sociology	3		
	6		

SOPHOMORE YEAR

Fall		Spring	
BY 283 Micro	3	NU 202, Fund of Nsg Process	6
CY 106, Gen Chem	3	NU 208, Assessment	3
CY 108, Chem Lab	1	NU 305 Pharmacology	4
MS 204, Basic Stat	3	NU 310 Psy Concepts	2
NU 204, Nsg Theories	2		15
	12		
May			
Fine Arts Elective	3		
NU Elective (300 +)	3		
	6		

JUNIOR YEAR

Fall	
NU 321, Adult Health	6
NU 317, Comp in Nsg	2
BY 360, Patho	3
NU 308, Current Issues	2
	<u>13</u>

Spring	
NU 318, Pediatrics	6
NU 315, Mat./Infant	6
HY*	<u>3</u>
	15

May	
HY*	3
NU Elective (400 +)	<u>3</u>
	6

SENIOR YEAR

Fall	
NU 430, Mental Hlth	6
NU 421, Comm. Hlth	6
Literature*	3
	<u>15</u>

Spring	
NU 415, Adult Hlth	6
NU 440, Nsg. Research	2
NU 402, Leadership	3
Literature*	<u>3</u>
	14

TOTAL - 129 HOURS

+ If NU 410 is taken as the Senior Elective, it should be scheduled the last semester

*See Core Curriculum

EDUCATIONAL MOBILITY PROGRAM

The College of Nursing offers an accelerated program for students currently licensed as a Registered Nurse or a Licensed Practical Nurse. Students should seek individual advisement about this program.

UNIVERSITY COURSE REQUIREMENTS

The general studies courses for all Educational Mobility Students are listed under Core Curriculum. See appropriate section in catalogue.

RN PLAN

The nursing course(s) for which Advanced Placement Credit may be given are as follows: NU 100 Intro. to Profession of Nursing, NU 202 Fundamentals of Nursing Process, NU 305, Pharmacology, and NU 310 Psychosocial Concepts in Nursing.

Nursing courses for which Advanced Placement Credit may be received based on the Nursing Mobility Profile II are as follows: NU 315 Nursing Process in Maternal-Infant Health, NU 318 Nursing Process in Child Health, NU 321 Nursing Process in Adult Health I, and NU 430 Nursing Process in Mental Health.

The required nursing courses for all Registered Nurses are as follows:

Semester I (Special Term A)	
NU 212 Intro to Prof Role**	10
Spring	
NU 421**	6

Fall	
NU 415**	6
May Term	
NU 317, Comp in NU**	2
NU 440, Nsg Research**	<u>2</u>

Summer I

NU 402 Leadership**	3
NU 445 or other Senior elective** . . .	<u>3</u>
	6

REQUIRED TOTAL HOURS: 130

LPN PLAN

The nursing course for which Advanced Placement Credit may be given is NU 202 Fundamentals of the Nursing Process.

The nursing course for which credit may be received is NU 100 Introduction to the Profession of Nursing.

**Course offerings based on enrollment.

The required nursing courses for all Licensed Practical Nurses are as follows:

Semester I (Special Term A)		Fall	
NU 212 Intro to Prof Role**	10	NU 321 Adult Health I	6
		NU 317 Comp in Nsg	2
		Literature*	<u>3</u>
			11
Spring		May Term	
NU 315 Mat/Inf	6	NU 310 Psy Concepts in Nsg	2
NU 318 Pediatrics	<u>6</u>		
	12		
Fall		Spring	
NU 421 Community Hlth	6	NU 402 Leadership	3
NU 430 Mental Hlth	<u>6</u>	NU 415 Adult Hlth II	6
	12	NU 440 Nsg Research	<u>2</u>
			11
May Term			
Literature*	3		
Senior Elective	<u>3</u>		
	6		

TOTAL REQUIRED HOURS: 130

*NU 305, Pharmacology and BY 360. Pathophysiology should be taken prior to beginning the nursing sequence.

**Course offerings based on enrollment.

DEPARTMENT OF MILITARY SCIENCE (MSC)

MAIN FLOOR - ROWE HALL

Professor of Military Science: Sudduth
Assistant Professors: Bryant, Chambers,
Gray, Holloway

The philosophy of the Military Science Department is that character, personality, broad educational background, and professional training are of major importance in the selection and preparation of U.S. Army officers.

Jacksonville State University has an approved United States Army Reserve Officers Training Corps (ROTC) Program offered on a voluntary basis. Satisfactory completion of the prescribed program by qualified students satisfies the requirement for commissioning as a Second Lieutenant in the U.S. Army. The Military Science program also serves all students with offerings designed for personal professional growth and understanding of the development of the U.S. Armed Forces, their current structure, and present day role in U.S. foreign-policy.

ENROLLMENT

Enrollment in the ROTC Program for academic credit is open to all members of the student body. The Military Science Department offers a broad spectrum of courses which may be counted as electives in support of other selected degrees. The first two years of Military Science basic courses are designed to provide the student with broad flexibility in the choice of a profession. The second two years of Military Science advanced courses will lead to a commission as a Second Lieutenant in the U.S. Army. The collateral courses offered in conjunction with the required Military Science core courses will assist in producing a framework of knowledge of maximum breadth. This will insure the student's success in professional and graduate schools, as well as many professionally oriented careers in teaching, industry, and government.

Enrollment in the ROTC Advanced Courses for eventual commissioning is open to students who have earned a quality point average (QPA) of 2.0 or higher, who meet minimum established physical standards, completed the basic course or its equivalent, possess requisite leadership potential, and have the permission of the Professor of Military Science. Those students pursuing an Army commission must complete or receive credit for 8 semester hours of the basic courses including MSC 101, 115, and 202 and complete advanced courses as follows: MSC 301, 301L, 302, 302L, 303, 305, 401, 401L, 402 and 402L. In addition, HY 304 and approved courses in written communications, computer literacy, math reasoning, and human behavior must be earned prior to commissioning. Selected basic course students, to include all Army ROTC scholarship recipients, will participate in designated leadership exercises to fulfill Army standards for commissioning.

DESCRIPTION OF COURSES

Basic Courses

- 101.* **The Military in U.S. Society (2).** The role which military power plays in preserving our freedoms, organization for national defense and a critical analysis of threats to the United States; organization and mission of the Army, Army equipment, and recent change and progress; a survey of the military as a profession, officer recruitment, and leadership as they have evolved during this century.
112. **Basic Marksmanship (2).** Fundamentals, principles and techniques of rifle/pistol marksmanship including equipment, maintenance, shooting positions, safety, and range operations.

113. **Survival (2).** Fundamentals, principles, and techniques for survival in extreme environments. Includes consideration of basic needs for food, water, clothing, shelter, and the field expedient sources and techniques used in satisfying these needs. Students may participate in outdoor training and will understand the fundamental precautions essential to survival in primitive environments devoid of normal facilities and services.
- 115.* **First Aid (2).** Instruction in lifesaving measures for clearing the upper airway, artificial respiration, cardiopulmonary resuscitation, control of bleeding and shock and treatment of other miscellaneous injuries. Students will also participate in discussions concerning AIDS.
116. **Unarmed Self Defense (2).** Instruction in the basic unarmed self defense techniques to permit effective defense against unarmed, knife, and hand gun attack through actual practice. Upon completion, the student will have an increased level of self confidence in his/her ability to protect himself/herself from personal attack and to subdue an opponent.
201. **Basic Leadership/Management (2).** Two classroom hours per week. The functions, duties and responsibilities of junior leaders are presented through lecture and classroom discussion with emphasis on application of skills to both military and civilian leadership environments.
- 202.* **Basic Military Science (2).** Two classroom hours per week. Introduction to military skills and subjects including the military as a profession; the role of the officer and noncommissioned officer; introduction to map reading; Army requirements for inspection, physical training, and drill and ceremonies.
213. **Fundamentals of Mountaineering (2).** Introduction to rope care and management, basic knots, basic climbing techniques, rappelling and individual survival techniques. Students will be required to participate in one backpacking or mountaineering trip during the semester.
214. **Advanced Mountaineering (2).** Practical application of advanced techniques of fixed installations (rope bridges), assault climbing techniques, advanced team climbing, mountain bivouacs and evacuation of sick/injured, and advanced rappelling. Students will be required to participate in one mountaineering climbing trip during the semester. Taken only after 213 or by permission of PMS.

*An asterisk indicates a course required for entry into the ROTC Advanced Course.

Special Courses

- 151-158. **Rangers (1).** Develop qualities of ROTC cadets through small unit tactics, self-discipline, self-confidence, and resourcefulness. Cadets will be required to participate in one two-day training exercise during the semester.
- 161-168. **Varsity Rifle Team (1).** In-depth analysis of all facets of competitive firing with small bore rifle to include safety, equipment care, aiming, breath and trigger control positions and participation in ten competitive matches a year.
300. **On Campus Basic Course (5).** Five class periods each day during the May term or summer II. Physical training, leadership, individual tactical training with emphasis on land navigation, weapons training, communications. Qualifies students, who have not completed the basic course and are not able to attend the Fort Knox Basic Camp, for the Advanced ROTC Program. Taken only by permission of the PMS.

Advanced Courses

301. **Advanced Military Science (3).** Two class periods and one leadership and one physical training laboratory. Advanced leadership, military teaching principles, threat presentation, military skills, written and oral communication, and map reading. Cadets will be required to participate in one two-day field training exercise during this semester. 301L required.
- 301L. **Adv Mil Sci Leadership Lab (2).** Taken in conjunction with MSC 301, consists of physical training (3 times/wk), leadership experience periods (2 times/wk), and a 36-hour FTX over a weekend.
302. **Advanced Military Science (3).** Two class periods and one leadership and one physical training laboratory. Advanced map reading and small unit tactics, branches of the Army, military history, principles of war and international law. Cadets will be required to participate in one two-day field training exercise during the semester. 302L required.
- 302L. **Adv Mil Sci Leadership Lab (2).** Taken in conjunction with MSC 302, consists of physical training (3 times/wk), leadership experience periods (2 times/wk), and a 36-hour FTX over a weekend.
303. **Advanced Military Science (3).** May Term. Two and one-half hour class periods daily. Physical training, leadership, land navigation, NBC, radio and wire communications, and tactics exercises. Cadets will be required to participate in one ten-day field training exercise during the semester.
- History 304. American Military History (3).** Required for commissioning or a suitable substitute 300 level course by permission of the PMS. For a course description see History 304.
305. **Advanced Military Science (3).** Advanced Camp. Practical application of tactics; leadership training and practice; arms qualification. Six weeks during the summer at a military reservation designed by the Department of the Army (no fee). *Prerequisites: Military Science 301, 302, and 303, and/or permission of PMS.*
401. **Advanced Military Science (3).** Two class periods. Leadership Assessment Program, written and oral communications, Army training management, Role of the Noncommissioned Officer, Command and staff functions, Intelligence and combat information. 401L required.
- 401L. **Adv Mil Sci Leadership Lab (2).** Taken in conjunction with MSC 401, consists of physical training (3 times/wk), leadership experience periods (2 times/wk), and a 36-hour FTX over a weekend.
402. **Advanced Military Science (3).** Two class periods. Military Law and Justice, U.S. Army Personnel Management System, Logistics, Post and installation support, U.S. and Soviet Military tactics. 402L required.
- 402L. **Adv Mil Sci Leadership Lab (2).** Taken in conjunction with MSC 402, consists of physical training (3 times/wk), leadership experience periods (2 times/wk), and a 36-hour FTX over a weekend.
403. **Seminar on Leadership (3).** Ethics and analysis of selected leadership and management problems through historical example, guidelines for small unit leadership, discipline, military writing, and professionalism. Obligations and responsibilities of an officer on active duty; chain of command; and officer-enlisted relationships. Applications of leadership principles, stressing responsibilities of the small unit leader.

Uniforms and Equipment

Uniforms, texts, and certain equipment are furnished by the United States Government at no expense to the cadet. Uniforms issued to cadets remain the property of the United States Government and will be turned in upon withdrawal from the course at

the end of each academic year, or upon completion of the course if such occurs other than at the end of the academic year. In instances where losses or damages occur, reimbursement to the government will be paid by the cadet. In some (essentially non-military) classes, purchase of books may be required.

Distinguished Military Students and Distinguished Military Graduates

The Professor of Military Science may designate as Distinguished Military Students persons who meet the following criteria:

1. Possess outstanding qualities of military leadership, high moral character, and definite aptitude for military service.
2. Have distinguished themselves academically and by demonstrated leadership through their accomplishments while participating in recognized campus activities.
3. Are scheduled to complete the advanced course, Senior ROTC Program, within one school year, and have current standing in military subjects among the upper third of the ROTC class.

Cadets selected as Distinguished Military Students may make advanced application for a commission in the Regular Army, with appointment effective the day of graduation from the University.

The Professor of Military Science may designate as Distinguished Military Graduates persons who meet the following criteria:

1. Are Distinguished Military Students.
2. Have completed the Advanced Course Senior ROTC Program.
3. Have maintained the high standards necessary since designation as a Distinguished Military Student.
4. Have been graduated from college with a baccalaureate degree.

Branch in Which Commissioned

Upon completion of the Advanced Program and receipt of a degree from the University, the student is commissioned in a Specialty as determined by the Department of the Army. The following factors are considered in Specialty selection:

1. Spaces available in each Specialty as determined by the Department of the Army.
2. Desires of the Student.
3. Appropriate college training completed.
4. Aptitude as demonstrated in ROTC subject.
5. Physical limitations, if any, determined by Army physical examination and reviewed by Medical Department authorities.

BACHELOR OF SCIENCE MINOR: MILITARY SCIENCE

A minor in Military Science is offered by completing 29 hours of course work as follows:

MCS 301, 301L, 302, 302L 401, 401L,	
402, 402L	20
HY 304	3
MGT 301, MSC 303, MS 305,	
EH 322, EH 344	
(Any combination of 6 hrs.)	6
	<u>29</u>

DEPARTMENT OF TECHNOLOGY

217 Self Hall
S. Aman: Department Head
Professor: Aman
Instructors: Marbut, J.F. Williams

The Department of Technology offers courses leading to the Bachelor of Science degree with two available majors: Electronics and Technology. The curriculum in the Department of Technology focuses on the technological needs of manufacturing industries and, as a degree program of study, is designed to prepare management-oriented technical professionals. This field of study involves 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 management, occupational safety and health technology, quality control technology, or computer integrated manufacturing systems technology, 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 majors have 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 career 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 211, 330, 343, 361, 370, 380, and 3 hours of 300-400 elective.

BACHELOR OF SCIENCE DEGREE
TECHNOLOGY AND ELECTRONICS MAJORS¹

FRESHMAN YEAR

Fall	Spring
EH Comp 101	EH Comp 102
HY 101 or 201 World/Amer	EH 141 Spch
MS 102, Alg	Fine Art ²
Soc/Beh Science ²	HY 102 or 202
Wellness ³	Soc/Beh Science ²
CS 100 Intro to Computers	ST 260 or MS 204 Stats
16	17

SOPHOMORE YEAR

Fall	Spring
Literature ²	EH 322 Tech Writing
Natural Science ^{2,3}	Literature ²
TEC 211 AC/DC Circuits	Natural Science ^{2,3}
TEC 380 Ind. Safety & Health	TEC 201 Microcomputers
Gen Electives	Gen Electives
15	16

ELECTRONICS TECHNOLOGY MAJOR**JUNIOR YEAR**

Fall		Spring	
TEC 225 Elec Devices I	3	MGT 301 Prin of Mgt	3
TEC 311 Elec - Digital	3	TEC 302 Adv Tech Math	3
TEC 330 Prod & Inv Control	3	TEC 326 Elec Devices II	3
TEC 370 Cont. Qual. Impr.	3	TEC 327 Elec Devices Lab	1
Gen Electives	<u>4</u>	TEC 361 Materials & Processes	3
	16	Gen Electives	<u>3</u>
			16

SENIOR YEAR¹⁰

Fall		Spring	
TEC 316 Adv Electronics	4	TEC 366 Control Systems Tech	3
TEC 300 + Elective ⁴	3	TEC 428 Elec - Communications	3
Gen Electives	<u>9</u>	TEC 300 + Elective ⁴	3
	16	Gen Electives	<u>7</u>
			16

TECHNOLOGY MAJOR CONCENTRATIONS**INDUSTRIAL MANAGEMENT****JUNIOR YEAR**

Fall		Spring	
TEC 343 Ind. Organization & Mgt	3	MGT 385 Human Resource Mgt	3
TEC 361 Materials & Processes	3	TEC 330 Prod & Inv. Control	3
TEC 370 Cont. Qual. Impr.	3	TEC 341 Motion & Time Study	3
TEC Electives ⁵	3	TEC Electives ⁵	3
Gen Electives	1	Gen Elective	<u>4</u>
Mgt. 301 Prin of Mgt	<u>3</u>		16
	16		

SENIOR YEAR¹⁰

Fall		Spring	
TEC 436 Inventory Mgt	3	TEC 432 MRP	3
TEC 437 Capacity Mgt	3	TEC 484 Ind Ergonomics	3
TEC 466 Manufacturing Processes	3	Gen Electives	<u>10</u>
Gen Electives	<u>7</u>		16
	16		

OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY**JUNIOR YEAR**

Fall		Spring	
TEC 250 CAD I	3	MGT 301 Prin of Mgt	3
TEC 330 Prod & Inv. Control	3	TEC 302 Advanced Tech Math	3
TEC 361 Materials & Processes	3	TEC 482 Standard of Ind. Safety	3
TEC 370 Cont. Qual Impr	3	TEC 484 Industrial Ergonomics	3
General Electives	<u>4</u>	General Electives	<u>4</u>
	16		16

SENIOR YEAR¹⁰

Fall		Spring	
TEC 343 Ind. Organization & Mgt	3	TEC 487 Systems Safety	3
TEC 485 Ind. Safety Mgt	3	TEC 488 Industrial Hygiene	3
TEC Elective ⁶	3	TEC Elective ⁶	3
General Electives	7	General Electives	7
	<u>16</u>		<u>16</u>

QUALITY CONTROL TECHNOLOGY**JUNIOR YEAR**

Fall		Spring	
TEC 250 CAD I	3	MGT 301 Prin of Mgt	3
TEC 330 Prod & Inv Control	3	TEC 302 Advanced Tech Math	3
TEC 361 Materials & Processes	3	TEC 373 Reliability Tec	3
TEC 370 Cont. Qual Impr	3	TEC 371 Quality Cont. in Ind.	3
General Electives	4	ST 261 Stats for Business	3
	<u>16</u>		<u>15</u>

SENIOR YEAR¹⁰

Fall		Spring	
TEC 476 Quality Auditing	3	TEC 472 Quality Assurance	3
MGT 384 Org. Behavior	3	TEC 474 Quality Costs	3
TEC Elective ⁷	3	General Electives	11
General Electives	7		<u>17</u>
	<u>16</u>		

COMPUTER INTEGRATED MANUFACTURING SYSTEMS TECHNOLOGY**JUNIOR YEAR**

Fall		Spring	
TEC 250 CAD I	3	TEC 365 Strength of Ind. Mat	3
TEC 361 Materials & Processes	3	TEC 418 Electronics-Micro	3
TEC 370 Cont. Qual Impr	3	TEC 351 CAD II	3
MGT 301 Prin of Mgt	3	TEC 366 Control Sys. Tech	3
General Electives	4	General Electives	4
	<u>16</u>		<u>16</u>

SENIOR YEAR¹⁰

Fall		Spring	
TEC 450 Prog. Controllers	3	TEC 330 Prod. & Inv. Control	3
TEC 452 Man and Net. CAD	3	TEC 429 App. Digital Comm. Sys	3
TEC 460 Computer-Aided Mfg	3	General Electives	10
TEC Electives ⁸	3		<u>16</u>
General Electives	4		
	<u>16</u>		

TECHNOLOGY MAJOR WITH APPROVED MINOR⁹**JUNIOR YEAR**

Fall		Spring	
TEC 370 Cont. Qual Impr	3	TEC 330 Prod & Inv Control	3
TEC 361 Materials & Processes	3	MGT 301 Prin. of Mgt	3
Minor/Electives	10	Minor/Electives	10
	<u>16</u>		<u>16</u>

SENIOR YEAR¹⁰

Minor/Electives 32

¹Due to the nature of this program, many students will not be able to follow the outline as specified.²See University core curriculum for choice of courses.³Electronics Technology must take PHS 201, 202, 211L and 212L.

Industrial Management students must choose either Chemistry or Physics sequence to meet this requirement.

Occupational Safety and Health students must CY 105, 106, 107 and 108.

Quality Control students must choose either Chemistry or Physics sequence to meet this requirement.

Computer Integrated Manufacturing Systems students must take PHY 201, 202, 211L, and 212L.

⁴Choose from the following: TEC 367, 418, 429 and 450.⁵Choose from the following: TEC 307, 365, 472, 482, 485 and 495.⁶Choose from the following: TEC 307, 341 and 371.⁷Choose from the following: TEC 307, 341, 342 and 343.⁸Choose from the following: TEC 367 and 416.⁹Students majoring in Technology with an approved minor must take in addition to the 18-24 hours required in the minor a minimum of 33 hours of technology courses as approved by the department head.¹⁰Students will be required during their senior year to take a professional certification exam in meeting graduation requirements.

DESCRIPTION OF COURSES

TECHNOLOGY (TEC)

201. **Microcomputers — Appl. and Tech. (3).** An introduction to microprocessors and their applications in industry. Hands-on experience with typical software and programming exercises. Lab fee. (Formerly TEC 369)
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; phasor analysis of AC circuits. (Formerly TEC 200)
225. **Electronic Devices I (3).** *Prerequisites:* PHS 201, MS 102; *Corequisite:* TEC 211 First course in solid state devices. Course topics include: solid state fundamentals, diodes, BJTs, amplifiers and FETs. (Formerly TEC 325)
250. **Computer-Aided Design I (3).** *Prerequisite:* TEC 201 or equivalent. One hour lecture and four 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. (Formerly TEC 417)
311. **Electronics — Digital (3).** Two hours lecture and two hours lab per week. *Prerequisite:* TEC 201 or equivalent. 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. (Formerly TEC 350)
316. **Advanced Electronics (4).** Three hours lecture and two hours lab per week. *Prerequisites:* TEC 225, 311, or equivalents. 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. (Formerly TEC 360)
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 lab hours 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. (Formerly TEC 430)
- 341. **Motion and Time Study (3).** Analysis of motions necessary to perform industrial operations; motion economy; development of ratings, allowances, standard data, formal construction, work sampling, wage payment and performance training. (Formerly TEC 410)
- 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. (Formerly TEC 415)
- 343. **Industrial Organization and Management (3).** Examination and planning of manufacturing operations, personnel, control methods, equipment and supplies. (Formerly TEC 425)
- 351. **Computer-Aided Design II (3).** *Prerequisite:* TEC 250. One hour lecture and four 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, selection, design and fabrication of materials and processes using plastics, metals, woods, etc. (Formerly TEC 480)
- 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. (Formerly TEC 481)
- 366. **Control Systems Technology (3).** *Prerequisites:* TEC 211 and PHS 201 or equivalents. 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.
- 367. **Laser Technology (3).** *Prerequisite:* PHS 201 or equivalent or permission of instructor. Two hours lecture and two hours lab. This course investigates the basic properties of laser light, types of lasers, and applications relative to each type of laser. (Formerly TEC 475)
- 370. **Continuous Quality Improvement (3).** *Prerequisite:* ST 260. An introduction to the concept of continuous quality improvement and its implementation using process improvement teams.
- 371. **Quality Control in Industry (3).** *Prerequisite:* ST 260 or equivalent. Methods and procedures employed in industrial quality control, theories of measurement, error, prediction, sampling, tests of significance and models. (Formerly TEC 420)
- 373. **Reliability Technology (3).** *Prerequisite:* ST 260. 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. (Formerly TEC 340)
- 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, micro-computer programming, instruction set, breadboarding circuits, device selection and interfacing. (Formerly TEC 400)
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 transmission. (Formerly TEC 431)
429. **Applied Digital Communications Systems (3).** A detailed study of digital communication techniques. Topics include: sampling and Digital pulse modulation, communication 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 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 control concepts using modern programmable controllers with detailed study of selected controllers. (Formerly TEC 440)
452. **Managing and Networking CAD (3).** *Prerequisite:* TEC 351. Two hours lecture and two hours lab. CAD group productivity techniques to include basic CAD management concepts, basics of networking, and advanced customization. Lab fee.
460. **Computer-Aided Manufacturing (3).** *Prerequisite:* TEC 302 and TEC 351. Three hours lecture and one hour lab. Utilization of computer technology in the automation of manufacturing systems.
466. **Manufacturing Processes (3).** Design, economics, and control of manufacturing processes. Methods engineering; job shop and automation practices; machining and fabrication processes. (Formerly TEC 483)
472. **Quality Assurance (3).** *Prerequisite:* TEC 371. A continuation of TEC 371 with emphasis on the management aspect of the quality function. (Formerly TEC 422)
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.
482. **Standards of Ind Safety (3).** *Prerequisite:* TEC 380. Standards for plants and manufacturing operations. Enforcement of safety standards and OSHA checklist.
484. **Industrial Ergonomics (3).** *Prerequisite:* TEC 380 or equivalent. 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.
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, 497. **Adv. Problems in Technology (3) (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.



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.

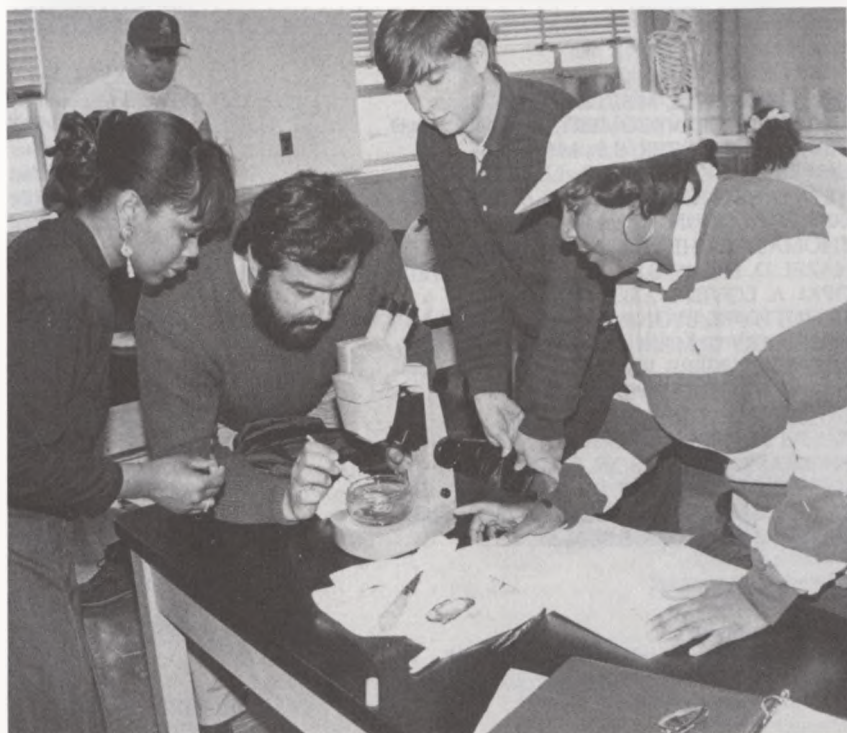
In order to qualify for Cooperative Education, a student must apply and meet the following qualifications:

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 approval and recommendation of the faculty advisor and the appropriate department head or dean.

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 the equivalent of a 12-hour academic load.

CEP-001 Through 019. 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

HAROLD J. McGEE, B.S., M.Ed., Ed.D.	President
W. DAVID WATTS, B.A., M.A., Ph.D.	Vice President for University Academic Affairs
GEORGE E. MILLER, B.S., M.Ed., Ed.D.	Vice President for University Business Affairs
H. BASCOM WOODWARD, III, B.S., M.A., Ed.D.	Vice President for Student Affairs
JACK HOPPER, A.B.	Vice President for Institutional Advancement
DONALD THACKER, B.S., M.B.A.	Executive Assistant to the President
MARILYNE OSBORNE, B.T., M.P.A.	Administrative Assistant to the President

DEANS

THOMAS BARKER, B.A., M.A., Ph.D.	Dean, College of Criminal Justice
WILLIAM D. CARR, B.A., M.A., Ph.D.	Dean, College of Graduate Studies and Continuing Education
ROBERT C. HYMER, B.S., M.A., Ed.D.	Dean, College of Education
J. PATRICK O'BRIEN, B.S., M.S., Ph.D.	Dean, College of Commerce and Business Administration
DANIEL MARSENGILL, B.S., M.M., D.M.	Dean, College of Communication and Fine Arts
DONALD SCHMITZ, B.S., M.Ed., Ed.D.	Dean of Student Affairs
JERRY D. SMITH, B.S.Ed., M.S., Ed.D.	Dean of Admissions and Records
J.E. WADE, B.A., M.A., Ph.D.	Dean, College of Letters and Sciences
ROBERTA O. WATTS, B.S., M.N., Ed.D.	Dean, Lurleen B. Wallace College of Nursing

EMERITI

HOUSTON COLE, M.S., LL.D., LITT.D.	President Emeritus
THERON E. MONTGOMERY, A.B., M.A., Ph.D.	President Emeritus
REUBEN B. BOOZER, B.S., M.S., Ph.D.	Dean Emeritus
LAWRENCE R. MILES, A.B., LL.D.	Dean Emeritus
ALTA L. MILLICAN, B.S.Ed., M.A., M.S., Ed.D.	Dean Emerita
LOY W. ALLISON, A.B., M.A., Ph.D.	Education
THOMAS COCHIS, B.S., M.S., Ph.D.	Biology
HAZEL D. HICKS, B.S., M.S.	Accounting
OPAL A. LOVETT, A.B., B.S.Ed., M.A.	English
DOROTHY M. LYONS, B.S., M.S.N., Ed.D.	Nursing
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LEE R. MANNERS, B.F.A., M.A.	Art
HAZEL J. MATTHEWS, B.S., M.S.	Home Economics
GWENETH G. MULDER, B.S., M.S.	Sociology
RALPH PARNELL, B.S.Ed., M.A., Ed.D.	Education
THOMAS J. ROBERTSON, B.S.Ed., M.S.	Physical Education
JACKSON W. SELMAN, B.S., M.A., L.L.B., Ph.D.	Political Science
CHARLES W. SUMMEROUR, B.S., M.S., Ph.D.	Biology
DAVID L. WALTERS, B.S., M.M., LL.D.	Music

STAFF

PRESIDENT'S OFFICE

HAROLD J. McGEE	President
MARILYNE OSBORNE	Administrative Assistant to the President
DON THACKER	Executive Assistant to the President
PAM FINDLEY	Audit Clerk

ATHLETICS

JERRY COLE	Athletic Director
ANNE HILL	Secretary to the Director
DEBRA BISHOP	Athletic Business Manager
TO BE NAMED	Clerk Typist
JOE BILLINGSLEY	Athletic Dorm Director/Assistant Football Coach
GERALD DeBOY, JR.	Rifle Coach
ELAINE PARRIS	Bookkeeper
JAMES SKIDMORE	Athletic Trainer
RUDY ABBOTT	Head Baseball Coach and Assistant Athletic Director
SKIPPER JONES	Assistant Baseball Coach
WILLIAM BURGESS	Head Football Coach
JOHNNY BROWN	Assistant Football Coach
ROLAND HOUSTON	Assistant Football Coach
CHARLES MANISCALCO	Assistant Football Coach
DAVID SIKES	Assistant Football Coach
GREG STEWART	Assistant Football Coach
WILLIAM JONES	Head Basketball Coach and Assistant Athletic Director
JAMES HOBBS	Assistant Basketball Coach Head Golf Coach/Athletic Events Coordinator
TONY MABREY	Head Women's Basketball Coach
GREG BONDS	Assistant Women's Basketball Coach
AMY HARDEMAN	Assistant Coach, Women's Sports
STEVE BAILEY	Head Tennis Coach
JANICE SLAY	Head Coach, Women's Volleyball and Softball

DATA SYSTEMS MANAGEMENT DIVISION

RANDY HARPER	Executive Director, Data Systems Management Division
VENITA TONEY	Secretary to the Executive Director
PATRICIA BOOZER	Clerical Assistant
PAUL CLARK	Systems Analyst
JEFF GRIFFITH	Programmer
TOM GRIFFITH	Systems Analyst
DIANNE HONEYCUTT	Programmer/Analyst
JEAN JENKINS	Senior Operations Supervisor
KRISTEN JOHNSON	Microcomputer Consultant/Programmer
JANET JONES	Senior Communications Analyst
BEVERLY LANDERS	Clerical Assistant
ALAN McCURRY	Systems Programming
GREG NABORS	Programmer/Analyst
LINDA PINSON	Programmer/Analyst
JAMES POE	Personal Computer Maintenance and Services
RENA SEALS	Senior Microcomputer Consultant/Programmer
RANDALL TERRY	Programmer Analyst
JACKIE THOMPSON	Computer Operator
RUSSELL UESRY	Supervisor of Operations

SABRINA USREY	Computer Operator
ALAN WALLACE	Programmer
SEAN PONDER	Manager of Academic Computer Services
SCOTT GREEN	Academic Computing Consultant Programmer
TO BE NAMED	Academic Computing Consultant Programmer
DAPHNE UESRY	Academic Computing Consultant Programmer
ELAINE ROBERTS	Manager, University Telecommunications
CHRISTA FARRELL	Switchboard Attendant
PATRICIA L. OWENS	Telephone Center Coordinator
PAMELA PRITCHETT	Switchboard Attendant
KIMBERLY REID	Switchboard Attendant
KEITH RILEY	Communications Equipment Technician

INTERNATIONAL HOUSE

GRINDLEY CURREN	Director, International House
NILA NABORS	Secretary to the Director
STEPHANIE MATTHEWS	Social Director

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SANDRA WALKER	Executive Secretary
TO BE NAMED	Secretary
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LOUISE J. CLARK	Associate Dean, College of Commerce and Business Administration
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DEBORAH McFALLS	Secretary
MARY CHEATWOOD	Clerical Assistant
JOYCE CRUMLEY	Secretary
KELLY ROBERTS	Secretary
LaRUE ROBERTSON	Secretary
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PATRICIA UPTON	Data Control Operator
PAT SHADDIX	Director, Small Business Development Center/ Management Development Center/Business Research Bureau
DAVID MICHAEL SELF	Associate Director Small Business Development Center
CLARICE SMITH	Secretary to the Director
WILLARD J. BUTTERWORTH	Program Coordinator
MARLANE FAIRLEIGH	Account Executive
TO BE NAMED	Account Executive
ROBBIE MEDDERS	Procurement Specialist
BLAINE MOORE	Research Analyst
MARIAN BLOHM	Secretary
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DAVID KEEFER	Shop Foreman/Stage Carpenter
JOE LANGSTON	WLJS Radio Station Manager
ANN PRIDDY	Secretary
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BRENDA HALL	Secretary
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MARY ANN HAYNIE	Secretary
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MOLLY RAISANEN	Clerk Typist
MARGARET TAYLOR	Clerk Typist
FRANKLIN KING	Director, Instructional Services Unit

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DEBRA OWEN	Clerical Assistant
MARY ANN RAHE	Clerical Assistant
JUDY RAMSEY	Secretary
AUDREY SMELLEY	Secretary
RUTH TUCKER	Clerk Typist
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ANN POE	Assistant Director, Center for Individualized Instruction
DIANNE AIKMAN	Clerk Typist

COLLEGE OF NURSING

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TIM ABEL	Instructional Media Technician
NANCY BARR	Clinical Assistant
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PAULA DAVIS	Coordinator, Nursing Clinic
DONNA JOHNSON	Clinical Assistant
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SHERI SMITH	Coordinator, Student Services

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WENDY CULBERTSON	Admissions Counselor
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MARY LORD	Clerical Assistant
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PAM TORRUELLA	Data Control Operator
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WILLIAM J. HUBBARD	University Librarian
PATSY FROST	Secretary to University Librarian
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KAYE DRIGGERS	Circulation Clerk
SUSAN JONES	Cataloging Technician
JANDA LEDBETTER	Cataloging Technician
LINDA MCCRELLES	Cataloging Technician
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MARION DEE MOORE	Government Documents Assistant
HARVEY RANDALL PIERCE	Security Clerk
BEVERLY POOLE	Circulation Clerk
ELIZABETH REID	Circulation Clerk
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KENT SNOWDEN	Audio Visual Technician
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KATHY MATTHEWS	Secretary

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LTC. JOHN R. SUDDUTH, III	Professor of Military Science
LINDA BRIGHT	Military Personnel Clerk
ELLEN HARTSAW	Military Personnel Clerk
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SGT. ELIZABETH LOZADA	Military Science Staff
SGM. ROBERT MOHUNDRO	Military Science Staff

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LINDA LOVE	Executive Secretary

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BEN KIRKLAND	Comptroller
LYNDA HINKLE	Secretary to the Comptroller
CAROLYN WEST ANDREWS	Financial Systems Manager
JERRY BATES	Payroll Clerk
DANA BONDS	Head Cashier
SARAH BRIGHT	Accounts Payable Clerk
VIVIAN BROWN	Clerical Assistant
JENNIFER CRAVEN	Bursar
BETTY HALL	Payroll Clerk
MIYO HAYNES	Data Control Operator
NANCY HUMPHREY	Secretary
CATHY NABORS	Bookkeeper
LOU WILLIAMS	Bookkeeper

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KAREN DAVIS	<i>Assistant Director, Personnel Services</i>
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JUDY HARRISON	<i>Manager, Salary and Benefits</i>
LINDA STEDHAM	<i>Clerical Assistant</i>

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GEORGE LORD	<i>Assistant Director, Physical Plant</i>
ANN ACKER	<i>Secretary to the Director</i>
CHARLES COCHRAN	<i>Labor Foreman</i>
AUBREY CROSS	<i>Supervisor, Maintenance</i>
JERRY DOBSON	<i>Supervisor, Air Conditioning and Heating</i>
VANESSA HEPBURN	<i>Horticulturist</i>
KAREN ISRAEL	<i>Clerical Assistant</i>
SHEILA KIKER	<i>Clerical Assistant</i>
MILLER PARNELL	<i>Building Inspector</i>
TONY GUERRA	<i>Manager, Building Services</i>
DENNIS CHRISTOPHER	<i>Housekeeper Supervisor</i>
PAULINE WRIGHT	<i>Housekeeper Supervisor</i>

PURCHASING

BILLY R. BUTTERWORTH	<i>Director, Purchasing</i>
VIVIAN GARNER	<i>Secretary to the Director</i>
BRICE HAY	<i>Inventory Manager</i>

SPECIAL SERVICES

CLAUDE GADDY	<i>Director of Special Services</i>
LYNDA JOHNSON	<i>Bookkeeper</i>
CAROL JEAN FARRELL	<i>Supervisor, Mail Center</i>
BARRY EAST	<i>Mail Clerk</i>
ROBERT WRIGHT	<i>Mail Courier</i>
ED LUDWICK	<i>Bookstore Manager [Follett Stores]</i>
NOAH RUCKER	<i>Food Service Manager [Marriott]</i>

STUDENT AFFAIRS

BASCOM WOODWARD	<i>Vice President for Student Affairs</i>
MARIE HENSON	<i>Executive Secretary</i>
TERESA WILSON	<i>Coordinator, Veteran's Affairs</i>
BOBBY PARKER	<i>Ticket Sales and Events Coordinator</i>

CAREER DEVELOPMENT AND PLACEMENT

MARVIN JENKINS	<i>Director, Career Development and Placement</i>
GWEN WESTBROOK	<i>Secretary to the Director</i>
PEARL WILLIAMS	<i>Coordinator, Part-time Off-campus Student Employment</i>

DEAN OF STUDENT AFFAIRS

DONALD SCHMITZ	<i>Dean of Student Affairs</i>
KAY CALDWELL	<i>Secretary to the Dean</i>
CHARLOTTE BILLINGS	<i>Counselor</i>
KELLY RYAN	<i>Counselor</i>

LINDA SHELTON *Counselor*
 KAREN WILSON *Clerical Assistant*

DISABLED STUDENT SERVICES

DANIEL MILLER *Coordinator, Disabled Student Services*
 SUE MULLER *Secretary*
 RITA BEAL *Interpreter/Tutor/Communications Counselor*
 LYNN DUNN *Teacher*
 JANET WHITE *Teacher*

FINANCIAL AID

LARRY SMITH *Director of Financial Aid*
 GEORGE W. YATES *Associate Director*
 LINDA BEAVERS *Secretary to the Director*
 VICKY ADAMS *Loan Grant Processor*
 DEBORAH BEARDEN *Scholarship Coordinator*
 CATHY PATE *Financial Aid Counselor*
 ALLISON SIDES *Secretary*

RECREATIONAL SPORTS

MARK JONES *Director, Recreational Sports*
 ERIC BRASHER *Assistant Director, Recreational Sports*
 MARTHA REAVES *Secretary to the Director*
 JUANITA FISHER *Recreation Room Supervisor*
 DARREN DOUTHITT *Recreation Room Supervisor*

STUDENT ACTIVITIES

TERRY McCARTHY *Director, Student Activities*
 TO BE NAMED *Assistant Director, Student Activities*
 ANGELA DIXON *Secretary to the Director*
 MAYBELL GARDNER *Secretary*
 CHRIS DEMPSEY *President, SGA*

STUDENT DEVELOPMENT

ALICE CUSIMANO *Director, Student Development*
 REVILON SPEAR *Secretary to the Director*

STUDENT HEALTH CENTER

NANCY EDGE, R.N. *Acting Director, Student Health Center*
 NORMA PENNY *Secretary to the Director*
 DOROTHY DUNCAN *Registered Nurse*

UNIVERSITY HOUSING

CRAIG A. SCHMITT *Director of University Housing*
 RAY CREEL *Associate Director, University Housing*
 LINDA READ *Secretary to the Director*
 BARBARA GADDY *Clerical Assistant*

UNIVERSITY POLICE

DAVID NICHOLS *Director of Public Safety*
 NELSON COLEMAN *Assistant Director, Public Safety*
 SHELIA NEWELL *Secretary to the Director*
 JOHN MAURER *Police Sergeant*

BRENT SATTERFIELD	Police Sergeant
RICHARD TUBBS	Police Sergeant
BRADLEY BUTLER	Police Officer
SUZANNE BRUNK	Police Officer
D. SHAWN GIDDY	Police Officer
GREGORY GLAZE	Police Officer
HENRY HOPE	Police Officer
KEVIN LYONS	Police Officer
PENNY MELVIN	Police Officer
MIKE NEWELL	Police Officer
REGGIE PARKER	Police Officer
GARY PIPPIN	Police Officer
CURTIS ROBERTS	Police Officer
CHARLES TRANTHAM	Police Officer
DEBORAH VINSON	Clerk Typist

INSTITUTIONAL ADVANCEMENT

JACK HOPPER	Vice President for Institutional Advancement
RACHEL CLARK	Executive Secretary

ALUMNI AFFAIRS

BUFORD BROOKS	Director of Alumni Affairs
NANCY TURNER	Secretary

DEVELOPMENT

JOE SERVISS	Director of Development
STEPHANIE MORGAN	Secretary to the Director
JOY BRINDLE	Bookkeeper
CONNIE EDGE	Director, Special Projects

INFORMATION SERVICES

JERRY HARRIS	Director, Information Services
MARY B. SMITH	Secretary to the Director
MIKE GALLOWAY	Sports Information Director
GREG SEITZ	Assistant Sports Information Director
EDWARD HILL	University Photographer
LINDA McDILL	Director of Publications and Advertising

PRINT SHOP

CHARLES TORRUELLA	Director, Printing
JOHN McCLURKIN	Offset Press Operator
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WORD PROCESSING

CAROL WINSOR	Secretary
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FACULTY 1993-94

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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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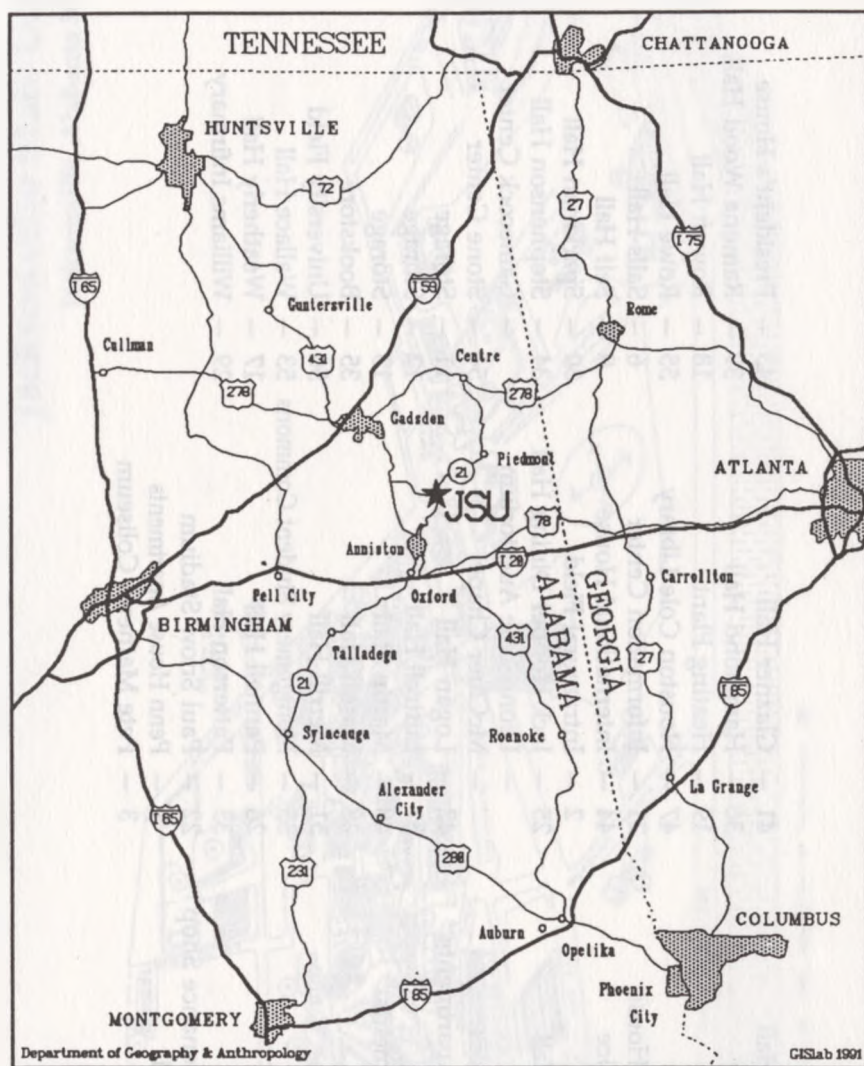
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NOTES



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|------------------------------|----------------------------------|--------------------------|
| 27 -- Abercrombie Hall | 41 -- Glazner Hall | 43 -- President's House |
| 45 -- Alumni House | 36 -- Hammond Hall | 39 -- Ramona Wood Hall |
| 52 -- Amphitheater | 19 -- Heating Plant | 18 -- Rowan Hall |
| 37 -- Anders Hall | 47 -- Houston Cole Library | 55 -- Rowe Hall |
| 15 -- Athletic Field House | 21 -- Information Center | 6 -- Salls Hall |
| -- University Police | 44 -- International House | 9 -- Self Hall |
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| 38 -- Bibb Graves Hall | 25 -- Jack Hopper Dining Hall | 34 -- Stephenson Hall |
| 49 -- Brewer Hall | -- Leone Cole Auditorium | -- Gamecock Center |
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| 5 -- Campus Inn Apartments | 42 -- Logan Hall | 11 -- Storage |
| 8 -- Car Wash | 31 -- Luttrell Hall | 12 -- Storage |
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| 16 -- Curtiss Hall | 51 -- Merrill Hall | 50 -- University Field |
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| 14 -- Dillon Field | 26 -- Pannell Hall | 17 -- Weatherly Hall |
| 20 -- Dixon Hall | 33 -- Patterson Hall | 29 -- Williams Infirmary |
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| 24 -- Fitzpatrick Hall | 1 -- Penn House Apartments | |
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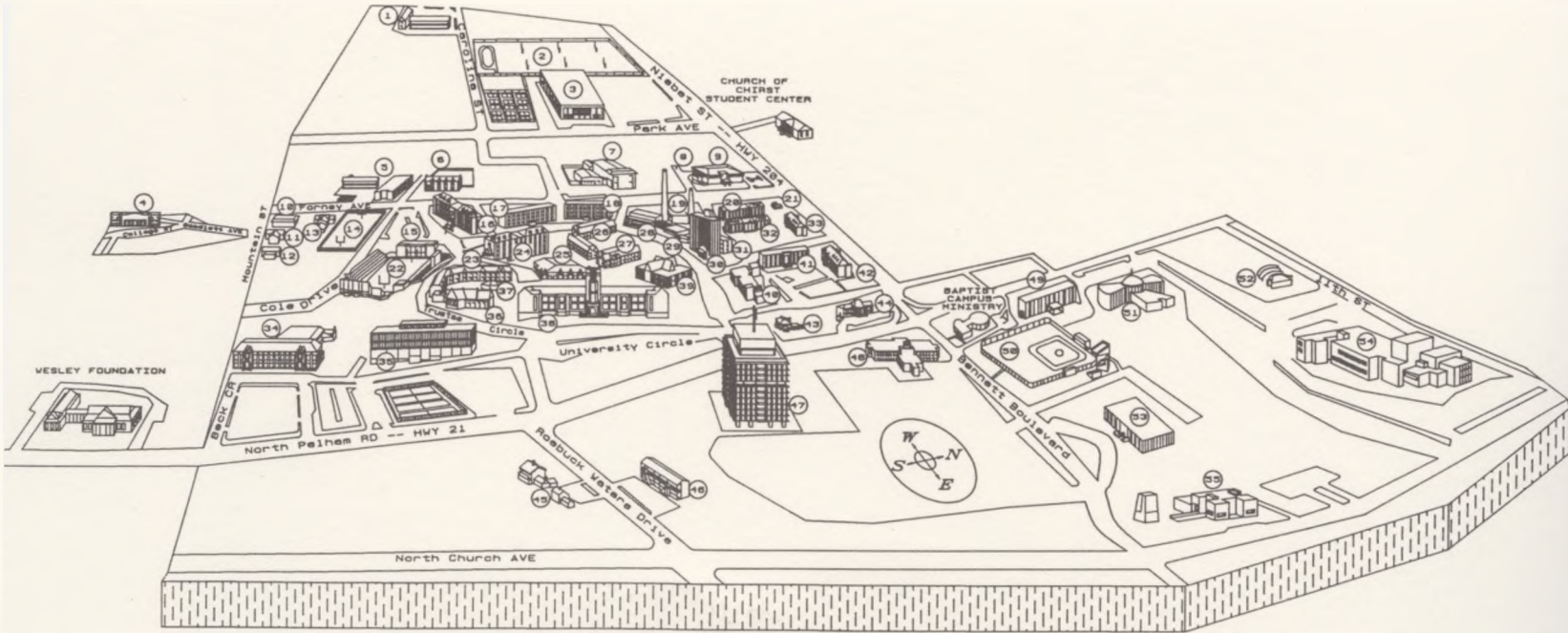
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Map by: J. B. Landers April 22, 1981 Department of Technology, JSU



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