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JACKSONVILLE STATE UNIVERSITY



1995-1996
CATALOGUE

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 1995-96

One Hundred and Thirteenth Year

Issued by Jacksonville State University, Jacksonville, Alabama 36265.
Entered as Third Class Matter at the Post Office at Jacksonville,
Alabama, under the Act of August 24, 1912, U.S.P.S., number 078-680.

VOLUME LXXXVI

JUNE 1995

NUMBER 1

UNIVERSITY CALENDAR

1995-96

FALL SEMESTER 1995

| | | |
|-----------|----------|--|
| AUG 15 | Tues | Tuition due for pre-registered students |
| AUG 25 | Fri | Residence Halls open for occupancy 10:00 a.m., New faculty orientation, Drop-Add day. |
| AUG 28 | Mon | Registration and orientation for first time freshman and transfer students. Returning students 64 or more semester hours. |
| AUG 29 | Tues | Registration for new students and returning students not pre-registered. |
| AUG 30 | Wed | Classes commence 7:30 a.m. Late registration fee charged. |
| SEPT 4 | Mon | Labor Day Holiday |
| SEPT 6 | Wed | Last day for registration and addition of courses to schedule. |
| SEPT 13 | Wed | Last day to withdraw and receive 80% tuition refund. |
| SEPT 27 | Wed | Last day to withdraw and receive 50% tuition refund. |
| SEPT 30 | Sat | Parents/Visitation Day |
| OCT 20 | Fri | Mid-term grades due. |
| OCT 24 | Tues | Last day to drop courses or withdraw without academic penalty. |
| NOV 8-17 | Wed-Fri | Pre-Registration |
| NOV 22 | Wed | Last day to withdraw or drop passing from a course. |
| NOV 22 | Wed | Residence Halls close at 6:00 p.m. |
| NOV 23-24 | Thu-Fri | Thanksgiving Holiday |
| NOV 26 | Sun | Residence Halls open at Noon. |
| DEC 6-12 | Wed-Tues | Semester Examinations. |
| DEC 13 | Wed | Filing of semester grades for graduating students by 1:15 in Office of Admissions and Records. |
| DEC 14 | Thurs | Filing of all semester grades within twenty-four hours after the last scheduled examination in Office of Admissions and Records. |
| DEC 15 | Fri | Commencement. Residence Halls close after Commencement. 6:30 p.m. |

AUGUST

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SEPTEMBER

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OCTOBER

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NOVEMBER

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DECEMBER

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SPRING SEMESTER 1996

| | | |
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| DEC 11, 1995 | Mon | Total Balance due (100% of tuition, fees and housing must be paid in order to retain registration for those who pre-registered). |
| JAN 3 | Wed | Residence Halls open for occupancy at Noon. |
| JAN 4 | Thurs | Registration and orientation for first time freshman and transfer students. |
| JAN 5 | Fri | Registration for new students and returning students not pre-registered. |
| JAN 8 | Mon | Classes commence 7:30 a.m. Late registration fee charged. |
| JAN 12 | Fri | Last day for registration and addition of courses to schedule. |
| JAN 15 | Mon | Dr. Martin Luther King, Jr. Day — Classes will not meet. |
| JAN 19 | Fri | Last day to withdraw and receive 80% tuition refund. |
| FEB 2 | Fri | Last day to withdraw and receive 50% tuition refund. |
| FEB 17 | Sat | Visitation Day |
| FEB 29 | Thurs | Mid-term grades due. |
| MAR 7 | Thurs | Last day to drop courses without academic penalty. |
| MAR 11-19 | Mon-Tues | Pre-Registration |
| MAR 16 | Sat | Visitation Day |
| MAR 22 | Fri | Residence Halls close at 6:00 p.m. |
| MAR 25-29 | Mon-Fri | Spring Holidays |
| MAR 30 | Sat | Classes resume. |
| MAR 31 | Sun | Residence Halls open at Noon. |
| APR 2 | Tues | Last day to withdraw or drop passing. |
| APR 17-23 | Wed-Tues | Semester Examinations |
| APR 24 | Wed | Filing of semester grades for graduating students by 1:15 p.m. in Office of Admissions and Records. |
| APR 25 | Thurs | Filing of semester grades within twenty-four hours after the last scheduled examination in Office of Admissions and Records. |
| APR 27 | Sat | Commencement 10:00 a.m. Residence Halls close after Commencement. |

MAY TERM

| | | |
|--------|------|--|
| APR 28 | Sun | Residence Halls open for occupancy at Noon. |
| APR 29 | Mon | Registration for those students not pre-registered. |
| APR 30 | Tues | Classes commence at 7:30 a.m. Late registration fee charged. |

JANUARY

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FEBRUARY

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MARCH

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APRIL

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MAY

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MAY TERM 1996 (Continued)

| | | |
|--------|-------|--|
| MAY 1 | Wed | Last day for registration and addition of courses to schedule. |
| MAY 6 | Mon | Last day to withdraw and receive 80% tuition refund. |
| MAY 14 | Tues | Last day to withdraw and receive 50% tuition refund. |
| MAY 15 | Wed | Last day to drop courses without academic penalty. |
| MAY 22 | Wed | Last day to withdraw or drop passing. |
| MAY 27 | Mon | Memorial Day Holiday |
| MAY 29 | Wed | Final Examinations |
| MAY 30 | Thurs | Residence Halls close at Noon. |

MAY

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SUMMER SEMESTER I 1996

| | | |
|--------|-------|--|
| JUN 4 | Tues | Residence Halls open for occupancy at 10:00 a.m. |
| JUN 5 | Wed | Orientation for first time freshman and transfer students. Registration for transfer students and returning students not pre-registered. |
| JUN 6 | Thurs | Classes commence at 7:30 a.m. Late registration fee charged. |
| JUN 7 | Fri | Last day for registration and addition of courses to schedule. |
| JUN 12 | Wed | Last day to withdraw and receive 80% tuition refund. |
| JUN 20 | Thurs | Last day to withdraw and receive 50% tuition refund. |
| JUN 21 | Fri | Last day to drop courses without academic penalty. |
| JUN 28 | Fri | Last day to withdraw or drop passing. |
| JUL 4 | Thurs | Independence Day Holiday |
| JUL 5 | Fri | Final Examinations |

JUNE

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JULY

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SUMMER SEMESTER II 1996

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|--------|------|---|
| JUL 8 | Mon | Registration for those students not pre-registered. |
| JUL 9 | Tues | Classes commence at 7:30 a.m. Late registration fee charged. |
| JUL 10 | Wed | Last day for registration and addition of courses to schedule. |
| JUL 15 | Mon | Last day to withdraw and receive 80% tuition refund. |
| JUL 23 | Tues | Last day to withdraw and receive 50% tuition refund. |
| JUL 24 | Wed | Last day to drop courses without academic penalty. |
| JUL 30 | Tues | Last day to withdraw or drop passing. |
| AUG 6 | Tues | Final Examinations |
| AUG 9 | Fri | Commencement, 7:30 p.m. Residence Halls close after Commencement. |

AUGUST

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TABLE OF CONTENTS

| | |
|---|---------|
| Board of Trustees | 6 |
| Mission Statement | 7-8 |
| General Information — Introduction | 9 |
| Requirements for Admission | 10-15 |
| Suggestions for Prospective Students | 15 |
| Tuition and Fees, Financial Policies | 16-20 |
| Financial Aid | 21-27 |
| University Housing and Residence Life | 28 |
| Academic Regulations | 29-38 |
| Student Regulations/Information | 39-46 |
| Summary of Degrees/Requirements | 47 |
| Bachelor of Arts | 48 |
| Bachelor of Fine Arts | 48 |
| Bachelor of Science | 49 |
| Bachelor of Science in Education | 49 |
| Bachelor of Music | 49 |
| Bachelor of Music Education | 49 |
| Bachelor of Social Work | 49 |
| Pre-Professional Programs | 49-50 |
| College of Commerce and Business Administration | 51-66 |
| College of Communication and Fine Arts | 67-89 |
| College of Criminal Justice | 90-96 |
| College of Education | 97-129 |
| College of Letters and Sciences | 130-190 |
| College of Nursing | 191-195 |
| Department of Military Science | 196-199 |
| Department of Technology | 200-206 |
| Cooperative Education Program | 207 |
| Administration | 208 |
| Staff | 209-216 |
| Faculty | 217-232 |
| Key to Departmental/Course Abbreviations | 233 |
| Index | 235-237 |

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

BOARD OF TRUSTEES

THE HONORABLE FOB JAMES

Governor of Alabama, President

| Name | Address | Congressional District* | Term Expires |
|--------------------|--------------|-------------------------|--------------|
| 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 |

TO BE NAMED, 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. (1883-1885), J. Harris Chappell (1885-1886), Carlton Bartlett Gibson (1886-1892), J. B. Jarrett (1892-1893), Jacob Forney IV (1893-1899), Clarence William Daugette (1899-1942), Houston Cole (1942-1971), Ernest Stone (1971-1981), Theron E. Montgomery (1981-1986), 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 Problem-Solving Skills—including the ability and disposition to think logically on the basis of useful assumptions; to distinguish the subjective from the positive and factual; to weigh evidence and evaluate facts and ideas critically; to think independently; and to analyze and synthesize. (5) Learning—that acquaints students with the cultural heritage of the West and an awareness of the contemporary world of philosophy, natural science, art, literature, social change, and social issues. (6) Intellectual Tolerance—as demonstrated by openness to new ideas, willingness to question orthodoxy, appreciation of intellectual diversity, and the ability to deal with complexity and ambiguity. (7) Aesthetic Sensibility—represented by the ability to understand and to enjoy literature, fine arts, and cultural activities as expressions of personal and social experience. (8) Psychological and Physical Well-Being—which requires the ability to understand and to apply the basic principles for cultivating physical and mental health, acceptance of self and others, and the ability to accept responsibility for one's actions. (9) Life-Long Learning—as demonstrated by sustained intellectual curiosity and continued participation in learning activities. (10) Interpersonal and Organizational

Skills—including the ability to be an effective member of groups, sensitivity to group norms and customs, skills in conflict resolution, and appreciation of cultural diversity. (11) Social Responsibility—represented by active participation as an informed and responsible citizen in solving the problems of one's community. (12) Economic Productivity—which required the skills and the in-depth knowledge necessary to prepare for the first job, for entry into a professional field, or for successful pursuit of advanced academic study.

PUBLIC SERVICE PURPOSE

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

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

RESEARCH PURPOSE

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

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



GENERAL INFORMATION

INTRODUCTION

Jacksonville State University is a multipurpose institution, located in northeast Alabama, to serve primarily the citizens of that area. It offers the B.A., B.F.A., B.S., B.S. in Education, B.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.

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



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, 36265-9982.

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-skill deficiencies are eliminated. Students with severe academic-skill deficiencies (are likely to require more than two semesters to eliminate all deficiencies) are not eligible for unconditional or conditional admission, but may apply for admission to a summer developmental studies program - ExSEL. All students admitted unconditionally or conditionally must successfully eliminate all academic-skill deficiencies within twelve months of admission or, if not enrolled on a continuing basis, the first twenty-four hours of attempted academic credit.

A. A high school transcript showing the date of graduation and 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. ACT Composite 19 or above original SAT 800 or above *Recentered SAT 900 or above | Should successfully remediate skill deficiencies within one year. |
| Conditional Admission | Moderate academic skill deficiencies. ACT Composite 16-18 SAT original 650-790 *Recentered SAT 750-890 | Should be continuously enrolled in prescribed developmental skills courses; participate in prescribed counseling and advisement activities; and remediate all academic skill deficiencies (including L.S. 102) within one year. |
| ExSEL | Severe academic skill deficiencies. ACT Composite 14-15 SAT original 550-640 *Recentered SAT 650-740 | Only admitted to summer developmental studies program (ExSEL). Upon successful completion, the student may be enrolled as Conditionally Admitted. |

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

II. 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.

Transfer credit does not affect the student grade point average. However, the transfer credit may be used for grade point average calculations for admission and retention to certain programs.

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

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

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

- B. Foreign students who have attended a regionally accredited college/university in the United States must present official transcripts from each college/university attended. Test score requirements may be waived if the student has at least 24 acceptable semester hours, including 6 semester hours of Freshman English Composition. Students who do not meet the 24 hour requirement must meet the requirements listed above in (A).

The application for admission will not be accepted without the documents listed above.

In addition to the admission requirements, foreign students are required to provide documentary evidence showing adequate financial resources are available to attend the university.

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.

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

IV. Transient/Special Student Admissions

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

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.

VII. Non-Traditional Entrance

Non-Traditional students may enter and earn up to 15 semester hours of credit without fulfilling regular university admission requirements provided (1) the student has not attended high school or a secondary education institution in eight (8) or more years from the time of initial enrollment; (2) those who have attended other colleges or uni-

versities must be in good academic standing; and (3) the student must be a high school graduate or have successfully completed the GED.

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

ORIENTATION AND ADVISEMENT

Newly admitted students are required to attend an orientation/advisement session prior to the semester they wish to attend (See section: APPLICATION PROCEDURES). The orientation/advisement session includes a brief introduction to campus life, advisor assignment, academic advisement, schedule preparation, and registration. Following registration, students can obtain an I.D. card, post office box, and automobile registration. Questions regarding orientation should be directed to the Office of 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. Each enrolled student is encouraged to obtain a campus mail box (provided free of charge), in the University Mail Center. Correspondence from the University, including fall and spring schedule packets, mid-term grades, and reminder bills/statements, are sent to each student's mail box. In addition, financial aid checks are placed in the mail boxes. It is the responsibility of all students, both on campus and commuters, to check their assigned mail boxes regularly for important mail. During terms of non-enrollment, correspondence is sent to mailing address the student has on file in the Office of Admissions and Records. Mail addressed to a student in care of Jacksonville State University should specify the campus mail box number.
5. Prospective students are encouraged to study carefully this entire catalogue. If they fail to find all the information desired or if clarification of the statements found herein is needed the student should write the Office of Admissions and Records for additional information.

JACKSONVILLE STATE UNIVERSITY IN GADSDEN

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

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

Registration and academic advisement are provided at the Gadsden Campus. Details about JSU-Gadsden registration and course offerings may be obtained by calling (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. 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 \$25.00 levied against the student. Enforced withdrawal from the University may result if a returned check is in payment of tuition and/or fees. After having two (2) checks returned, privilege of paying by check is forfeited. No counter checks will be accepted. The University is unable to cash personal checks, but will cash money orders or cashiers checks up to \$100.00.

INTERNATIONAL STUDENTS

International students are required each semester to pay tuition, fees and residence hall charges in U.S. dollars to confirm registration. International students must conform to Immigration and Naturalization Service (INS) regulations concerning the INS Form I-20, section 8, for financial assurance.

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) | \$ 870.00 ** |
| Room and meals per semester (estimated) | 1,325.00 |
| ESTIMATED TOTAL | \$ 2,195.00 |

TUITION**Undergraduate Students:**

| | |
|------------------------------------|--------------|
| 12 or more hours | \$ 870.00 ** |
| Less than 12 hours, per hour | 73.00 ** |

Out of State Fee:

| | |
|---|-----------|
| 12 or more hours (Add to resident charge) | \$ 435.00 |
| Less than 12 hours, per hour (Add to resident charge) | 37.00 |

Graduate Students:

| | |
|------------------------------------|--------------|
| 10 or more hours | \$ 895.00 ** |
| Less than 10 hours, per hour | 90.00 ** |

Out of State Fee:

| | |
|---|-----------|
| 10 or more hours (Add to resident charge) | \$ 447.50 |
| Less than 10 hours, per hour (Add to resident charge) | 45.00 |

**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 | \$ 550.00 (air conditioned) |
| Curtiss Hall | 550.00 (air conditioned) |
| Dixon Hall | 550.00 (air conditioned) |
| Fitzpatrick Hall | 550.00 (air conditioned) |
| Logan Hall | 690.00 (new, air conditioned, pvt. bath) |
| Luttrell Hall | 460.00 (air conditioned) |
| Patterson Hall | 690.00 (new, air conditioned, pvt. bath) |
| Rowan Hall | 600.00 (air conditioned/private) |
| Sparkman Hall | 560.00 (suite type, air conditioned) |

DINING SERVICE

The University dining service provides a variety of board meal plans to meet the needs of JSU students. There are multiple choices for entrees and vegetables with salad

bar, sandwich area, and a dessert area. Also, meals may be purchased individually. These plans are available for both residents and commuters.

| | |
|---|----------------------|
| 7 Days/20 meals per week | \$ 775.00 |
| Three meals daily, Monday through Saturday and two on Sunday. | |
| 7 days/14 meals per week | \$ 675.00 |
| Any 14 of the 20 meals weekly, Monday through Sunday. | |
| 7 days/10 meals per week | \$ 625.00 |
| Any 10 of the 20 meals weekly, Monday through Sunday. | |
| 7 days/5 meals per week | \$ 420.00 |
| Any 5 of the 20 meals weekly, Monday through Sunday. | |
| 50 meal block plan | \$ 300.00 |
| Any 50 of the meals served throughout the semester. | |
| Flex dollars | \$ 25.00 increments. |

Flex dollars are an additional option with the purchase of any meal plan. Flex dollars can be used to purchase meals at Jack Hopper Dining Hall, the JSU Roost Snack Bar or order pizza from Domino's Pizza. Flex dollars can be purchased in \$25.00 increments.

Meal plans are on sale throughout the school year. Meal plans can be purchased in the food service office located in Hopper Dining Hall. There are four methods of payment:

Option #1 — Payment in full with either cash or check.

Option #2 — Credit card purchase with VISA, Mastercard or Discover.

Option #3 — Installment plan requires 50% down. The balance is due four weeks into the semester. There is a \$20.00 finance fee.

Option #4 — Financial aid may be used with approval from Marriott and Financial Aid Office.

For further information call our customer service number at 205-782-7242 or write JSU Dining Services, P.O. Box 3006, Jacksonville, Alabama, 36265.

DISCOUNTED HOUSING AND FOOD SERVICE PACKAGE

A discount will be offered on the rates for University Housing and Dining Services for students who purchase the specified room/board package. Please contact the Department of University Housing or Marriott Dining Services for details on which discount packages are available.

OTHER FEES AND DEPOSITS

(Required of students only when applicable)

| | | |
|---|-----------|---|
| Initial Application for Admission | | |
| Fee (non-refundable) | \$ 20.00 | per student |
| Degree Fee (non-refundable) | \$ 20.00 | undergraduate/graduate |
| Degree (current) Reprint Fee | | |
| (undergraduate and graduate) | \$ 5.00 | per student per diploma |
| Graduation apparel (cap, gown, etc.) is available through the University Bookstore. | | |
| Students will be requested to place their orders at the beginning of their final semester (or 8 weeks minimum prior to graduation). Exact date will be posted in the University Bookstore. Costs will vary based on degree. | | |
| Identification Card Fee | \$ 10.00 | per student |
| Identification Card Replacement Fee | \$ 5.00 | per processing |
| Late Registration Fee | \$ 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 | \$ 250.00 | per child per full semester |
| | \$ 80.00 | per child per short semester |

| | | |
|------------------------|-----------|-------------|
| Returned check fee | \$ 25.00 | per check |
| Residence Hall Deposit | \$ 100.00 | per student |

SPECIAL LABORATORY FEES

| | | |
|---|----------|------------|
| 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 |
| CBA 469 | \$ 10.00 | per course |
| Computer Science 100, 201, 220, 231, 232, 237, 250, 254, 300, 301, 302, 312, 315, 330, 331, 352, 377, 402, 411, 417, 432, 441, 442, 443, 444, 454, 488, 496, 497, 498 | \$ 10.00 | per course |
| EIM 450L | \$ 10.00 | per course |
| Engineering 121, 255 | \$ 10.00 | per course |
| Family and Consumer Science 131, 330, 333, 334, 335, 341, 431, 433, 434 232 | \$ 3.00 | per course |
| 122, 221, 323, 325, 326, 423, 428 | \$ 6.00 | per course |
| Management 390, 495 | \$ 7.50 | 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 from classes occurs within one (1) week after the close of the registration period. Eighty percent (80%) of total tuition fee if withdrawal from classes occurs within three class days after the close of the registration period for the May and Summer terms.

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

The same percentages apply to refund of laboratory fees. All withdrawal refunds will be mailed to student's mailing address. All remaining charges are due and payable upon withdrawal. There will be no tuition adjustment for dropping a course on or after the first day of classes for the term. There is no refund of tuition fees if withdrawal 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.

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

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

1. There will be a tuition adjustment for a change of course prior to the first day of classes.
2. If an undergraduate student 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 \$70.00 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 \$895.00 basic charge for 10 or more hours. The difference should be paid on the date the course is added to retain the course.

UNIVERSITY BOOKSTORE

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

STUDENT FINANCIAL AID

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, 1972 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.

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

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

Following is a brief description of the different assistance programs:

GRANTS

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

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. No application is necessary for this program other than the Free Application for Federal Student Aid. Priority is given to students who submit a Student Aid Report by March 15.

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.

Students are encouraged to apply as soon as possible after January 1, preferably by March 15.

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 March 15. Forward the reply (Student Aid Report) to the Financial Aid Office.

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 a Financial Aid Data Sheet to the Financial Aid Office, preferably by March 15.

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.

Federal Direct Student Loan Programs

Beginning with the Fall, 1995 semester, Jacksonville State University will begin participating in the Federal Direct Student Loan Program (FDSL). This new program is very similar to Stafford Loans, which will no longer be available. The Direct Loan Program is expected to simplify the application process for receiving loans, since funds will come **directly** from Jacksonville State University. Applicants will no longer be required to complete a bank loan form for this loan. Once approved, eligible applicants for this loan can expect to receive their funds within days, rather than weeks for the old Stafford Loan Program. Maximum loan amounts, interest rates, and most other aspects

of the FDSL program are almost identical to the old Stafford Loans. One major change is in the repayment program, which has been greatly expanded to allow for more options in repaying the loans. Students who received Stafford Loans will be allowed to consolidate them with Direct Loans.

There are three types of Federal Direct Student Loans: subsidized, unsubsidized, and Federal Direct PLUS Loan.

Those applicants who demonstrate need will qualify for subsidized loans, whereby the Federal Government will pay the interest during periods of enrollment; and unsubsidized loans, whereby the borrower will be responsible for interest payment throughout the life of the loan. Some students may choose to borrow both subsidized and unsubsidized loans. PLUS loans will be available to parents, who must request an application from the Financial Aid Office. This is a non-need based loan.

Following is a brief description of each loan type:

Federal Direct Subsidized Student Loan

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

Federal Direct Unsubsidized Student Loan

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

Federal Direct PLUS

A non-need based loan. The interest rate is variable with a cap of 10%. It is determined annually by adding 3.10% to the 52 week Treasury Bill Rate. Repayment of principal and interest begins 60 days after the loan has been disbursed. Parents interested in obtaining this loan must secure an application from the Financial Aid Office.

To apply for a subsidized or unsubsidized loan, submit an FAFSA as soon as possible after January, 1995, along with a JSU Financial Aid Data Sheet. The preference deadline to apply for the 1995-96 academic year is March 15, 1995. Applicants will be notified of their eligibility by the Financial Aid Office.

Entrance interviews will be conducted by the Financial Aid Office to further explain the loans, repayment, disbursement, deferment, origination fees, etc.

Annual Loan limits for the Federal Direct Student Loan Program for dependent students are: Freshmen, \$2,625; Sophomores, \$3,500; Juniors and Seniors, \$5,500. In addition, parents may borrow up to the cost of education on the PLUS program. Independent students are eligible for: Freshmen, \$2,625; Sophomores, \$3,500; Juniors and Seniors, \$5,500; and Graduates, \$8,500. In addition, Independent students are eligible for unsubsidized loans of up to \$4,000 for Freshmen and Sophomores; \$5,000 for Juniors and Seniors; and \$10,000 for Graduates.

CAMPUS EMPLOYMENT

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

Federal Work-Study

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

To apply, submit the FAFSA as soon as possible after January 1, preferably before March 15, then submit the Student Aid Report to the Financial Aid Office. The applicant

must also submit a Financial Aid Data Sheet to the Financial Aid Office, preferably by March 15.

University Student Employee

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

Off-Campus Employment

Students desiring to find part-time work in the local area may use the services of the Office for Off-Campus Employment located in room 102 of the Montgomery Student Commons building.

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 March 15 and test scores must also be received by this date.

Leadership Scholarships

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

Disadvantaged Students in Nursing Scholarship

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

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. This program is being phased out and only those who have previously received the scholarship are 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. This program is limited to students who have previously received this scholarship.

Technology Scholarship Program for Alabama Teachers

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

Alabama National Guard Educational Assistance Program

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

Alabama G.I. Dependents Scholarship Program

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

Veterans Benefits

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

Vocational Rehabilitation Assistance

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

ROTC

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

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

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

Other Programs of Assistance

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

SATISFACTORY ACADEMIC PROGRESS POLICY

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 or certification.

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, Federal Direct and Perkins Loans, and Disadvantaged Students in Nursing scholarships will receive an Offer of Financial Aid and other documents which must be completed and returned to the Financial Aid Office within fourteen days. This assistance, and scholarships awarded by the University, is credited to the student's account and a check is issued to the student's post office box for the balance, if applicable, 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. Students must be regularly enrolled in a degree seeking program in order to be eligible for Federal financial aid. Those accepted into the non-traditional undergraduate admission category (students who are allowed to earn up to 15 semester hours prior to fulfilling regular admission) are therefore ineligible until such time as admissions requirements are fulfilled. Other categories of students who are ineligible include those accepted as transient, special, or certificate-seeking.

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. By signing a contract, a student is guaranteed space in University housing, but not a specific room. Every attempt will be made to honor requests for specific halls.
3. Students who are withdrawing from the University after the opening of the residence halls for each semester or are graduating, or practice teaching may be eligible for a partial to full refund of any rent paid as outlined in the University Housing Contract.
4. Students remaining enrolled in the University for the Spring Semester but wishing to cancel their housing contract may do so by purchasing the remaining portion of the contract prior to the opening of the halls for Spring Semester. This cost will be 20% of the unused portion of the contract. Additionally the \$100.00 deposit will be forfeited.
5. Room changes and Hall transfers are available. No changes or transfers will be made until the second day of classes of each semester.
6. The Department of University Housing reserves the right to reassign students to other rooms, or halls when to do so appears to be in the best interest of individuals or groups of students, or when it determines that a student is not actually residing in their assigned space.
7. For further information, please refer to the University Housing Contract, the *Residence Hall Guide to Living*, or contact the Department of University Housing at (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 renew an existing lease must do so in writing thirty (30) days prior to the expiration date of the lease.
3. For further information, please contact (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, electronics technology, computer integrated manufacturing systems, occupational safety and health, 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. A student must earn a minimum "C" or better in each of his/her major and minor courses. A student working toward a degree from the College of Commerce and Business Administration must also have a 2.0 G.P.A. in the business core [courses identified in Commerce and Business Administration section] overall and the business core courses in residence.
 - b. At least 52 semester hours of credits presented for a degree must be in courses numbered 300 or above.
 - c. No matter what advanced standing the candidate may have been admitted under, or what credits he/she may have transferred he/she must earn credit at Jacksonville for at least twelve hours of advanced work (courses numbered 300 or above) in his/her major subject or teaching field area and six hours in advanced work (courses numbered 300 or above) in his/her minor subject.**
 - d. Students should select their major and minor subjects before the end of their sophomore year, or if a junior or senior transferring from another college, before they register for any work leading to a degree from this institution. The choice of their major and minor fields must be made only after consultation with the professors/advisors in these fields and must have the approval of both the major and minor professors/advisors. Note: Students pursuing a degree in education will need to select their teaching field(s) by the end of their freshman year. Note: Candidates including transfers must submit minimum requirements and a portfolio for review and approval by the Art Department prior to admission into the B.F.A. Degree program.
 - e. The student must, before each registration, confer with his/her advisor and secure his/her approval of the choice of courses for the major and minor (or minors) or electives, and of sequences of such courses.
 - f. Must successfully complete the English Competency examination. (See Tests and Examinations Section).
8. Catalogue Requirements and Time Limits: Degree requirements and other university regulations are established by the catalogue current at the time of initial

enrollment. Students may complete requirements under the catalogue current at that time or any later catalogue during his/her JSU enrollment provided the undergraduate degree is completed within twelve (12) years from initial collegiate enrollment. Students not completing the undergraduate degree within twelve (12) years from initial enrollment must update to a more current catalogue as negotiated with the College Dean. Students may not combine components of different catalogues.

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

**For education students, one-third of the total hours in each teaching field(s) must be advanced work. In addition, a minimum of 12 hours of advanced level courses in each single comprehensive teaching field, or a minimum of 9 hours of advanced level courses in each dual-teaching field must have been taken at JSU.

STUDENT LOAD

1. The normal student load for those in attendance during the regular session is defined as 16 hours. Full-time status is defined as 12 semester hours, while 21 semester hours is the maximum load.
2. Students in good standing in each summer semester are permitted a normal load of 6 hours and the maximum of 7 hours each summer term (maximum of 3 courses each session).
3. The normal and maximum load in the May term is 7 hours for the student in good standing.
4. Students 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. The grade point average (GPA) may be determined by dividing the quality points earned by the number of hours attempted.

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. Credit may be earned only by retaking the course in residence.

F — No quality points (0-59). Failing grades may not be removed from the academic record. This grade will not be assigned for EH 098, 101, 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)¹

W/P — Withdrawn passing.¹

X— Audit — no credit.

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

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

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

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."

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. Mid-term grades are reported for Fall and Spring semesters only.

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.

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

HONORS

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

1. Undergraduate student carrying 12 or more hours in the Fall and Spring semesters will be recognized as follows.
 - a) Students who obtain a 4.0 grade point average will be listed on the President's List
 - b) Students who obtain a grade point average between 3.5 and 3.99 will be listed on the Dean's List.
2. Honors at Graduation
 - a) The designation "cum laude" will be engrossed upon the diplomas of graduating students who obtain an average of 3.5-3.69 quality points on hours attempted.
 - b) The designation "magna cum laude" will be engrossed on the diplomas of graduating students who maintain an average of 3.7 to 3.89 quality points on hours attempted.
 - c) The designation "summa cum laude" will be engrossed upon the diplomas of graduating students who maintain an average of 3.9 to 4.0 quality points on hours attempted.
 - d) The designation "special honors in ---- (the major subject)" will be engrossed upon the diplomas of graduating students who maintain a 3.5 average in the major field of study and a 3.25 overall average, both calculations computed on hours attempted.
 - e) For the purpose of determining eligibility for graduation with honors, all resident work except the last semester in residence will be averaged to determine the appropriate award.
 - f) Those eligible for honors must have completed at least 32 semester hours at Jacksonville prior to the last semester in order to qualify for honors at graduation.

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 Associate 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 one year or 24 semester hours attempted at JSU [whichever is longer] 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 one year 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 or the appropriate College Dean. Declared majors should present the petition to their College Dean. Undecided majors should submit the petition to the Associate Vice President for Academic Affairs. After review by the appropriate parties, a recommendation regarding the petition will be made to the Vice President for Academic Affairs. The Vice President of Academic Affairs will then consider all recommendations and documentation and make a final decision. The student will be notified of the results of the petition by the Associate Vice President of Academic Affairs. Once granted, academic forgiveness may not be reversed.

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.

SECOND CHANCE

Undergraduate students who have interrupted their college career for a period of at least two consecutive calendar years may apply for the Second Chance Provision. Under this policy all course work completed at an earlier date will be eliminated from computation of the grade point average and cannot be applied toward a degree at Jacksonville State University. Such work will remain on the student's academic record, but will not be used in the computation of the grade point average for degree requirements. It will, however, be used to compute the grade point average for honors at graduation, class standing, and may be used for admission to graduate studies. Some undergraduate professional programs may require inclusion of all course work for admission to, continuation in, and graduation from the program. Students should seek advice from the appropriate college dean or designated person.

Students seeking Second Chance status will be required to follow the catalogue in effect at the time of re-enrollment. Second Chance status may be granted only once and is irreversible. Students seeking to apply for Second Chance can obtain a form in the Office of Admissions and Records.

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. Students must have satisfactorily completed the English Competency Test (ECE) prior to applying for graduation.

STUDENT'S RESPONSIBILITIES

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

TESTS AND EXAMINATIONS

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

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

English Competency Examination

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. Effective January 1, 1995, students must pass the ECE before filing an application for graduation. Students register for the examination in the English Department, Room 215, Stone Center.

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

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

JSU students may return to a regionally accredited college or university as a transient student to take acceptable course work. Students must have **approval from the Office of Admissions & Records prior to enrolling** with another college.

Approved courses in which grades of "C" or better are earned may be accepted as comparable courses.

Transient work does not affect a student's overall grade point average, however, transient work may be used for admission and retention in certain programs.

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 Counseling and Career Services in room 107, Bibb Graves Hall.

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

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

AP

(Advanced Placement)

Jacksonville State University awards credit for Advanced Placement courses taken in secondary schools and supplemented by the satisfactory scores on the national examination of the College Entrance Examination Board (CEEB) Advanced Placement program. A score of 3 or above is required to be considered for the possible award of credit. Prospective students should have their official score report submitted to the Office of Admissions and Records as early as possible for review and possible award of credit.

Credit By Challenge

Students seeking to challenge courses for credit must discuss it with the instructor and have the approval of the Department head and Dean prior to enrollment in the course. 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

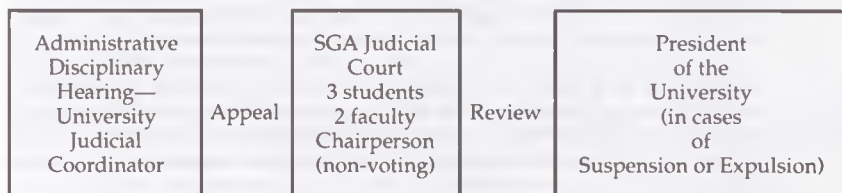
DISCIPLINARY POLICY

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 University Judicial Coordinator has been designated as the supervising official for the Judicial System. Violations of University policies should be reported to the University Judicial Coordinator. The Judicial Process is outlined as follows:



GENERAL INFORMATION

POLICY ON PRIVACY RIGHTS OF STUDENTS

NOTIFICATION BY THE UNIVERSITY

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

1. Access to records.
 - (a) Subject to the limitations contained in (b) which follows, the education records of an eligible student shall be accessible to such students. Such right of access shall include: The right to be provided a list of the types of education records which are maintained by the institution and are directly related to students; the right to inspect and review the content of those records; the right to obtain copies of those records, which may be at the expense of the eligible student (but not to exceed actual cost to the institution of reproducing such copies), the right to a response from the institution to reasonable requests for explanations and interpretations of those records; the right to an opportunity for a hearing to challenge the content of those records; if any material or document in the education records of the student includes information on more than one student, the right to inspect and review only such part of such material or document as related to such student or to be informed of the specific information contained in such part of such material.
 - (b) The following materials will not be available to an eligible student: Financial records of the parents of the student or any information contained therein; confidential letters and statements of recommendations, which were placed in the education records prior to January 1, 1975, if such letters or statements are not used for purposes other than those for which they were specifically intended; if the student has signed a waiver of the student's right of access, confidential recommendations (1) respecting admission to any education agency or institution, (2) respecting an application for employment and (3) respecting the receipt of an honor or honorary recognition.
2. Procedures for granting access.
 - (a) An eligible student desiring access to his/her education records shall make a request in writing to the appropriate office. Requests concerning: (1) Admissions and Registrar records should be made to the University Registrar; (2) financial records should be made to the Vice President of Business Affairs; (3) financial aid records should be made to the Director of Financial Aid; (4) placement, counseling, disciplinary, health and security records should be made to the 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 of safety of the student or other persons; the need for such records to meet the emergency; whether the persons to whom such records are released are in a position to deal with the emergency; and the extent to which time is of the essence in dealing with the emergency.
- (e) No personal information on a student will be released without a written statement from the University to the party receiving the information that no other party is to have access to such information without the consent in writing of the eligible student.

5. Release of Student Transcript:

In accordance with the Buckley/Pell Amendment to the Family 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. However, federal law requires that students who apply for financial aid must use their Social Security number as their student number. If the student desires not to use the social security number as a student number he/she may notify, in writing, the Office of Admissions of this intent. Any social security number used as a student number will not be released without the consent, in writing, of the student.

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

Section 504/American With Disabilities Act (ADA) COMPLIANCE

Jacksonville State University has filed with the Federal Government an Assurance of Compliance with Section 504 of the Rehabilitation Act of 1973 as amended.

The University does not discriminate on the basis of disability and no qualified disabled person shall, on the basis of disability, be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity which receives or benefits from federal assistance.

The coordinator of Section 504 and compliance officer for ADA is 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. Payment for the semester is due the first day of classes.

COUNSELING AND CAREER SERVICES

Counseling and Career Services (CCS) is comprised of two offices: the Counseling Center at 107 Bibb Graves Hall and the Placement Center in rooms 102 and 103 of the Montgomery Student Commons Building. Both offices are open Monday through Friday from 8:00 A.M. through 4:30 P.M.

The Counseling Center offers personal, educational, and career counseling for JSU students. Personal counseling is conducted in a private setting under the strictest confidence. The center features a comprehensive career information library and on-line computer resources for making vocational and educational decisions. Counselors are available to assist users on an individual basis. The Counseling Center also serves as the registration site for national testing programs such as CLEP, ACT, GRE, MAT and other examinations. Additional information about the Counseling Center is available by calling (205) 782-5475.

The Placement Center provides assistance for graduating seniors through on-campus interviews, job listings, career fairs, referrals, corporate information and individual counseling. In addition, the Center coordinates programs for part-time, off-campus employment and cooperative education experiences. Additional information about the Placement Center is available by calling (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 Learning Resource 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 Learning Resource 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 600,000 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 will complete a two-year period of compliance in June 1995, and advance to NCAA Division I, and will participate in 1AA football, beginning September 1, 1995.

The step up in classification was complimented in January 1995 by an invitation to join the Trans America Athletic Conference. The TAAC is a twelve-member league located in six southeastern states. Jacksonville State University will compete in fourteen sports; seven for men, and seven for women as follows:

Men—Football, Baseball, Basketball, Tennis, Golf, Rifle and Cross Country

Women—Golf, Basketball, Softball, Volleyball, Tennis, Cross Country and Soccer

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 ¹ |
| 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, 202 | 6 hours |
| Social and Behavior Sciences | AN 224, EC 222, GY 120, CJ 101, PSC 100 | |
| (Select two) | PSY 201, SY 221 | 6 hours ² |
| 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 ^{3,4} |
| Wellness: | FCS 215, 322, PE 109; | |
| (Select one) | MSC 113, 115, 116, 151-158 | 3 hours |
| | | 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.

¹Students following a major from the College of Commerce and Business Administration must complete ST 260 in lieu of the higher mathematics course.

²For all education students, EC 222 is required. CJ 101 is not acceptable for state certification.

³ECE 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 4 hours of physical science. See Academic Advisor.

⁴Transfer Students may complete this requirement by completing two approved sequenced laboratory science courses totaling a minimum of 6.67 semester hours [10 quarter hours].

MAJOR/MINOR
REQUIREMENTS/ELECTIVES

Minimum 82 hours
TOTAL: Minimum 128 hours¹

I. BACHELOR OF ARTS

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

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

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

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

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

II. BACHELOR OF FINE ARTS

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

III. BACHELOR OF SCIENCE

The requirements for the Bachelor of Science degree are the same as those for the Bachelor of Arts degree, with the following exceptions:

1. Where the major is chemistry and the minor is biology or mathematics, a foreign language is highly recommended. However, the taking of a foreign language is encouraged in all programs.

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

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

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, computer integrated manufacturing systems 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. Specific core requirements and major course sequence exist.

V. BACHELOR OF SCIENCE IN EDUCATION

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

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

VI. BACHELOR OF 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.

PRE-ENGINEERING

Students entering pre-engineering will consult their engineering advisor and the program outlined under the Department of Physical Sciences and 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 (Biology Dept.) 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.

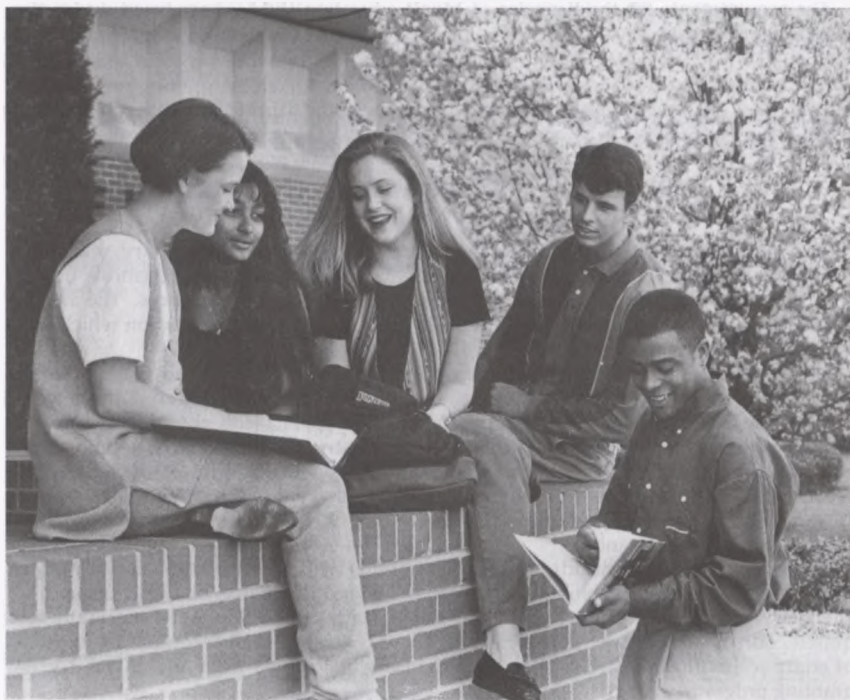
In order to be competitive when applying to professional schools a student should have a "B" average, make high scores on the entrance examination (MCAT, DAT, VAT, OCAT, etc.), have good letters of recommendation and have been involved in some work related to the student's chosen field of study. Professional 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

Dean: To Be Named

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 (CCBA) offers minors in accounting, economics, finance, business administration, real estate, management, and marketing.

ADMISSION POLICY

In addition to meeting the general admission requirements of the University, students wishing to pursue a degree from the College of Commerce and Business Administration must adhere to the following:

1. All 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 66 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. While in the Pre-Business Program, all students should schedule English composition and quantitative courses each semester until such courses are completed.
3. CCBA students who complete the 66 hour Pre-Business Program without attaining a 2.2 GPA will be required to repeat courses in the Pre-Business Program until they have attained a 2.2 GPA. For the purposes of calculating the Pre-Business GPA, only the highest grade for repeated courses will be included in the GPA calculation. Students not meeting the conditions to declare a major will be allowed to continue in only the following upper division courses: FIN 301; EC 303, 321, or 322; MKT 301; MGT 305, 390; CBA 320, 350, 396 (all prerequisites must be adhered to).
4. Students, who begin their program at JSU, will follow the program of study outlined in the JSU Catalogue which is current at the time they initially enroll. However, if at some later date, a student wishes to change to a more recent Catalogue, this is permissible. Students electing to change to a more recent Catalogue will need to satisfy all requirements of the selected Catalogue. See appropriate section of the University Catalogue for Catalogue Requirements and Time Limits.
5. Students transferring from any two year college or other four-year institution must abide by all rules and regulations as specified in the appropriate JSU Catalogue relative to their admission, both into the university as well as into the College of Commerce and Business Administration. Transfer students also have the right to move to a more current Catalogue, if desired.
6. Students planning to transfer from other junior or senior level colleges should consult with the Student Support Services Coordinator in the College of Commerce and Business Administration for information relative to degree requirements.

ADVISING POLICY

The College of Commerce and Business Administration maintains an Advising Center in which all Pre-Business Freshmen and Sophomore students are advised. In addition, all first-time transfer students are advised within the Center. Juniors and Seniors who have met the requirements of the Pre-Business Program and have been admitted into one of the College's five major areas 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 305, MKT 301, and/or FIN 301 completed at levels lower than the 300 level is validated through the office of the Dean of the College of Commerce and Business Administration. Credit for the above mentioned lower division business core courses completed with a satisfactory grade of C or better at another institution will apply toward meeting business core requirements at JSU upon proper validation. Validation may be accomplished through one of the following methods:

1. taking the appropriate CLEP exam 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).

CCBA CORE REQUIREMENTS

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

OTHER REQUIREMENTS

All other business courses listed in a student's program are included in the student's major. The student must earn a grade of at least a "C" in each of his/her major subjects. In addition, no more than 50 percent of the credit hours required to complete a student's program may be taken within the College of Commerce and Business Administration.

ADMITTANCE TO UPPER DIVISION CCBA COURSES

Admittance of CCBA students 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 200, ACC 200L, ACC 210, 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, Algebra | 3 | ST 260, St & QM I | 3 |
| HY ² | 3 | HY ² | 3 |
| CS 201, Intro to DP | 3 | PSC 100, Intro to Am Govt | 3 |
| CBA 100, CBA Fresh Orient | 1 | | |
| | | | <hr/> |
| | 17 | | 16 |

SOPHOMORE YEAR

| 1st Semester | | 2nd Semester | |
|--------------------------------|----|---|-------|
| Literature ³ | 3 | Literature ³ | 3 |
| ST 261, St. & QM II | 3 | PSY 201 Prin of Psy | 3 |
| CBA 292, Bus & Soc. | 3 | EC 222, Prin of Econ II | 3 |
| EC 221, Prin of Econ I | 3 | ACC 210, Prin of Mgr Acc | 3 |
| ACC 200, Prin of Fin Acc | 3 | Fine Arts & Humanities ⁴ | 3 |
| ACC 200L, Lab | 1 | EH 141, Speech | 2 |
| | | | <hr/> |
| | 16 | | 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 301, Acc Info Sys | 3 | ACC 371, Cost Acc | 3 |
| ACC 310, Fin. Acc I | 3 | ACC 360, Fin. Acc II | 3 |
| FIN 301, Bus Fin | 3 | MGT 305, Mgt & Org. Beh. | 3 |
| CBA 396, Int'l Bus | 3 | MKT 301, Prin Mkt | 3 |
| CBA 350 or EH 322 | 3 | CBA 320, TQ & Leadership | 3 |
| | | General Elective (300+) | 3 |
| | | | <hr/> |
| | 15 | | 18 |

SENIOR YEAR

| 1st Semester | | 2nd Semester | |
|---|----|--|-------|
| ACC 410, Fin Acc III | 3 | ACC Elective | 3 |
| ACC 372, Inc Tax | 3 | ACC 477, Audit | 3 |
| MGT 390, Ops & Tech | 3 | CBA 469, Bus Pol. | 3 |
| EC 303, 321, or 322 | 3 | Wellness ¹ | 3 |
| General Electives (300+) ² | 3 | General Electives, if needed to obtain 128 hours (300+) | 2 |
| | | | <hr/> |
| | 15 | | 14 |

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

²Three credits of General Electives must be in coursework taken outside of CCBA.

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, Interm Micro | 3 | CBA 396, Int'l Bus | 3 |
| CBA 350 or EH 322 | 3 | CBA 320, TQ & Leadership | 3 |
| MGT 305, Mgt & Org Beh | 3 | MGT 390, Ops & Tech | 3 |
| MKT 301, Prin Mkt | 3 | EC 322, Interm Macro | 3 |
| FIN 301, Bus Fin | 3 | EC Elective | 3 |
| | 15 | | 15 |

SENIOR YEAR

| 1st Semester | | 2nd Semester | |
|---|----|---|----|
| EC Electives | 6 | EC 463, Seminar | 3 |
| General Electives (300+) ² | 9 | CBA 469, Bus Pol | 3 |
| Wellness ¹ | 3 | EC Elective | 6 |
| | 18 | General Elective (if needed to obtain 128 hours) | 2 |
| | | | 14 |

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

²Three credits of General Electives must be in coursework taken outside of CCBA.

FINANCE

JUNIOR YEAR

| 1st Semester | | 2nd Semester | |
|-----------------------------|----|--------------------------------|----|
| CBA 350 or EH 322 | 3 | CBA 396, Int'l Bus | 3 |
| FIN 301, Bus Fin | 3 | FIN 441, Fin Mgt | 3 |
| MGT 305, Mgt & OB | 3 | FIN Elective | 3 |
| MKT 301, Prin Mkt | 3 | CBA 320, TQ & Leadership | 3 |
| Wellness ¹ | 3 | MGT 390, Ops & Tech | 3 |
| | 15 | EC 303, 321 or 322 | 3 |
| | | | 18 |

SENIOR YEAR

| 1st Semester | | 2nd Semester | |
|---|----|---|----|
| FIN Elective | 3 | FIN 434, Int'l Fin | 3 |
| FIN 474, Invest | 3 | FIN Elect | 3 |
| FIN 475, Adv. Topics | 3 | FIN 481, Seminar | 3 |
| General Electives (300+) ² | 6 | CBA 469, Bus Pol | 3 |
| | 15 | General Elective (if needed to obtain 128 hours) | 2 |
| | | | 14 |

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

²Three credits of General Electives must be in coursework outside CCBA.

MANAGEMENT**JUNIOR YEAR**

| 1st Semester | | 2nd Semester | |
|--------------------------|----|--------------------------------|----|
| CBA 350 or EH 322 | 3 | CBA 320, TQ & Leadership | 3 |
| FIN 301, Bus Fin | 3 | MGT 372, Dynamics of Org | 3 |
| MGT 305, Mgt & OB | 3 | MGT 385, Hum Res Mgt | 3 |
| MKT 301, Prin Mkt | 3 | MGT 390, Opr & Tech | 3 |
| CBA 396, Int'l Bus | 3 | General Electives (300+) | 3 |
| | 15 | | 15 |

SENIOR YEAR

| 1st Semester | | 2nd Semester | |
|--|----|---|----|
| EC 303, 321 or 322 | 3 | CBA 469, Bus Pol | 3 |
| MGT 420, Teams | 3 | MGT 491, Seminar | 3 |
| MGT Elective | 6 | MGT Elective | 3 |
| General Elective (300+) ² | 3 | General Elective (if needed to obtain 128 hours) | 5 |
| Wellness ¹ | 3 | | |
| | 18 | | 14 |

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

²Three credits of General Electives must be in coursework outside CCBA.

MARKETING**JUNIOR YEAR**

| 1st Semester | | 2nd Semester | |
|--------------------------|----|--------------------------------|----|
| CBA 350 or EH 322 | 3 | CBA 320, TQ & Leadership | 3 |
| FIN 301, Bus Fin | 3 | MKT Elective | 3 |
| MGT 305, Mgt & OB | 3 | MKT 378, Cons Beh | 3 |
| MKT 301, Prin Mkt | 3 | MGT 390, Opr & Tech | 3 |
| CBA 396, Int'l Bus | 3 | EC 303, 321 or 322 | 3 |
| | 15 | | 15 |

SENIOR YEAR

| 1st Semester | | 2nd Semester | |
|--------------------------------|----|--|----|
| MKT 361, Sales | 3 | CBA 469, Bus Pol | 3 |
| MKT 363, Ind Mkt | 3 | MKT 495, Mkting Mgt | 3 |
| MKT 493, Int'l Mkt | 3 | MKT 497, Mkt Research | 3 |
| General Elective (300+)- | 3 | MKT Elective | 3 |
| Wellness ¹ | 3 | General Elective (300+ if needed to obtain 128 hours) | 5 |
| | 15 | | 17 |

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

²Three credits of General Electives must be in coursework outside CCBA.

MINORS

Minors in business related areas are not available as part of the regular degree program (128 hours) to students earning a Bachelor of Science Degree in Accounting, Economics, Finance, Management, or Marketing.

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

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

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

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

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

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

A minor in Real Estate consists of at least eighteen hours of course work, including FIN 341, 343, 440 and nine hours of 300-400 level FIN electives.

BACHELOR OF ARTS**MAJOR: ECONOMICS WITH APPROVED MINOR****FRESHMAN YEAR**

| 1st Semester | | 2nd Semester | |
|----------------------------|----|--|----|
| EH Comp 101 | 3 | EH Comp 102 | 3 |
| Science ¹ | 4 | Science ¹ | 4 |
| MS 102, Alg. | 3 | 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 of Econ I | 3 | Literature ⁴ | 3 |
| EH 141, Speech | 2 | EC 222, Prin of Econ II | 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, Interm 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, Interm 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 three hours from the following: FCS 215, FCS 322, PE 109, MCS 113, 115, 116, 151-158.

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

DESCRIPTION COURSES**GENERAL BUSINESS (CBA)**

- 100. CBA Freshman Orientation (1).** Orientation to the CCBA. Topics include: Personal and social skills, academic/study skills, College career planning, advising, program requirements, and use of library. (PASS/FAIL only). Fall and Spring.
- 115. Introduction to Business (3).** Course provides a general overview of the various functional business operations with an emphasis on the role of the enterprise within modern society. (General elective credit only—not open to CCBA Juniors and Seniors). (Formerly MGT 115). Fall and Spring.
- 292. Business and Society (3).** Examination of current problems and issues facing managers in a changing society. Explores business, government and interest group interrelationships. Extensive examination of ethical considerations in business. (Formerly MGT 392). Fall and Spring. May not be taken for credit if student has completed FIN 263, Legal Environment of Business.
- 320. Total Quality and Leadership (3).** *Prerequisite: Junior Standing.* A survey of Total Quality Management concepts, philosophies and tools; plus, a comprehensive review of leadership, including self-analysis and skill building in selected techniques. Fall and Spring.
- 350. Business Communications (3).** *Prerequisite: EH 101, 102, 141; Junior Standing.* Principles, procedures, and skills underlying oral and written communications in the field of business (Formerly MGT 450). Fall and Spring.
- 396. International Business (3).** *Prerequisite: Junior Standing.* Study of the nature and scope of international business, including the basic problems associated with international trade, payments, investment, and cultural differences. Fall and Spring.

469. **Business Policy and Strategy (3).** *Prerequisites:* Senior status and completion of all 200-300 level CCBA Core courses. Focuses on the formulation and implementation of business strategy, and establishment and maintenance of an efficient organization. Case studies and computer business simulation used extensively. (Lab Fee) (Formerly MGT 469). Fall and Spring.
488. **Small Business Experience (3).** *Prerequisites:* Senior status and completion of all 200-300 level CCBA Core courses. An integrating management course that focuses on the special problems and skills related to starting, maintaining and expanding small business in a dynamic environment. Fall and Spring.

DEPARTMENT OF ACCOUNTING (ACC)

214 MERRILL HALL

Department Head: Berry

Professor: P. Granger

Associate Professor: Bell

Assistant Professors: Berry, Gantt, Kirby, Meyer, Seay

DESCRIPTION OF COURSES

ACCOUNTING (ACC)

200. **Principles of Financial Accounting (3).** *Prerequisites:* MS 099, or higher level math course. *Corequisite:* ACC 200L. ACC 200 and 200L are prerequisite to ACC 210. An introduction to the concepts of accounting and financial reporting through the analysis and interpretation of accounting information for use in decision making in organizations. Fall and Spring. (Formerly ACC 201).
- 200L. **Principles of Financial Accounting Lab (1).** *Prerequisites:* MS 099, or higher level math course and CS 201. *Corequisite:* ACC 200. ACC 200 and 200L are prerequisite to ACC 210. An introduction to manual and computerized accounting procedures. Fall and Spring.
210. **Principles of Managerial Accounting (3).** *Prerequisites:* ACC 200, 200L. An introduction to the use of accounting information for planning, decision making, product costing and performance evaluation. Fall and Spring. (Formerly ACC 396).
- Finance 300. **Business Law (3).** May be counted as course in the Department of Accounting. For course description, see Finance 300.
301. **Accounting Information Systems (3).** *Prerequisites:* CS 201 and ACC 210. ACC 301 is corequisite with ACC 310. A comprehensive application of manual accounting systems, general ledger software, and spreadsheets in accounting applications. Fall and Spring.
310. **Financial Accounting I (3).** *Prerequisites:* ACC 210. *Corequisite or Prerequisite:* ACC 301. An introduction to accounting standards, an overview of accounting statements, and detailed study of asset and liability accounting. Fall and Spring. (Formerly ACC 393). A minimum grade of "C" in ACC 310 is required as a prerequisite for ACC 360, 398, 410, 476, 477, 478, 489, 490, and 497.
360. **Financial Accounting II (3).** *Prerequisites:* ACC 301 and ACC 310. A detailed study of stockholders' equity, investments, business combinations, and foreign operations, with the application of accounting theory and problem solving. Fall and Spring. (Formerly ACC 394 and ACC 473).
371. **Cost Accounting (3).** *Prerequisite:* ACC 210. An introduction to cost accounting through a study of the principles of job-order, process, standard and variable costing. Fall and Spring.

372. **Income Tax Accounting (3).** *Prerequisite:* ACC 210. Federal and state income tax laws as they apply to individuals. Training in the interpretation of regulations and the preparation of various income tax returns. Fall and Spring.
398. **Governmental Accounting (3).** *Prerequisites:* ACC 301 and ACC 310 or 9 hours 300-400 level Finance courses. Accounting procedures for all governmental units, and nonprofit service organizations. Analysis of current problems in fund accounting. Fall and Spring.
410. **Financial Accounting III (3).** *Prerequisites:* ACC 301, ACC 310. A detailed study of special accounting topics, statement analysis, financial disclosures, and partnerships, with the application of accounting theory and problem solving. Fall and Spring. (Formerly ACC 395).
476. **Advanced Income Tax Accounting (3).** *Prerequisites:* ACC 372 and either ACC 310 or consent of instructor. Advanced federal tax concepts, including income taxation of corporations, partnerships, estates & trusts. Also includes a study of gift and estate taxes. Fall.
477. **Auditing (3).** *Prerequisites:* 12 hours of 300/400 level accounting courses. Principles of external and internal auditing, including standards, ethical issues, internal controls, computer auditing, statistical sampling, and operational auditing. Fall and Spring.
478. **Accounting Theory (3).** *Prerequisites:* ACC 360 and 410. An analysis of historical and current accounting concepts. Fall.
489. **Accounting Internship (3).** *Prerequisites:* Senior status and consent of the instructor and the Accounting Department Head. Provides the accounting major with practical experience in the field via an internship arrangement. (PASS/FAIL grade only). Fall and Spring.
490. **Advanced Auditing (3).** *Prerequisites:* Senior standing and ACC 477. Standards and procedures relative to independent audits and accounting services rendered by Certified Public Accountants. Includes professional practice issues, risk analysis, evidence gathering, and reporting. Spring.
497. **Seminar in Accounting (3).** *Prerequisite:* Senior accounting majors only. Examines critical accounting topics through intensive review of current literature and pronouncements. Assesses student's ability to effectively communicate accounting information. Spring.



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

221 MERRILL HALL

Department Head: Fielding
FINANCE FACULTY

Professor-Eminent Scholar: Trivoli

Professors: Brown, Jones

Associate Professors: Scroggins, Sullivan

Instructor: Padgham

ECONOMICS FACULTY

Professors: Cypert, Fielding, Paxton, Thompson

Associate Professor: Bennett

Assistant Professor: McCarty

STATISTICS FACULTY

Professors: Clark, Fuller

Instructor: Graham

DESCRIPTION OF COURSES

FINANCE (FIN)

300. **Business Law (3).** Legal principles related to Uniform Commercial Code; contracts and personal property and bailments; the law of sales; commercial paper; and secured transactions. Fall and Spring.
301. **Business Finance (3).** *Prerequisite: Junior Standing.* A survey of business finance. Coverage of the basic financial decisions including investment, financing, and dividend. Fall and Spring.
- Economics 303. Money and Banking (3).** *May be counted as a course in the Department of Finance.* For description, see Economics 303. Fall and Spring.
- Economics 310. Public Finance (3).** *May be counted as a course in the Department of Finance.* For description, see Economics 310. Fall.
311. **Personal Finance (3).** Personal financial planning including credit and time buying, insurance, housing, investments, budgeting, use of financial institutions, and taxes. Fall. (Formerly FIN 211).
331. **Credit Management (3).** The place of credit in the market structure; sources of credit information; retail and mercantile credit; basis of new credit; types of credit; credit analysis and appraisal; credit controls; collection procedures; and legal remedies of creditors. Scheduled on demand.
341. **Principles of Real Estate (3).** Real estate ownership interest, legal processes, financing instruments and institutions, consideration of subdividing and zoning, federal housing litigation, and taxation. Fall.
343. **Real Estate Appraisal (3).** *Prerequisite: FIN 341.* Analysis of sites and buildings; collection, analysis interpretation of cost and market data; depreciation, capitalization; correlation of value factors; writing of appraisal reports. Scheduled on demand.
344. **Legal Aspects of Real Estate (3).** *Prerequisite: FIN 341.* Estates in land, purchase and sales contracts, conveyances, mortgages and trust deed transactions, property taxes, landlord and tenant, wills and inheritance. Scheduled on demand.
361. **Bank Management (3).** *Prerequisite: FIN 301.* The commercial bank as a business enterprise; principles of organization and operation; regulatory framework; and problems of competition and growth. Fall.
364. **Insurance (3).** A survey of the insurance coverages available and the use of insurance by business. Covers the basic principles of risk. Scheduled on demand.

- Accounting 372. Income Tax Accounting (3).** *Prerequisite:* ACC 210. May be counted as a course in the Department of Finance. For course description, see Accounting 372.
- 397. Financial Institutions and Markets (3).** *Prerequisite:* FIN 301. Analysis of the operating policies of financial institutions and the effect upon the structure of the capital and money markets. Scheduled on demand.
- Accounting 398. Governmental Accounting (3).** *Prerequisites:* ACC 301 and ACC 310 or 9 hours 300-400 level Finance courses. May be used as a finance elective. For description, see Accounting 398.
- 410. Wills, Estates, and Trusts (3).** A study of the basic legal and financial principles and practices involved in the planning and administration of wills, estates, and trusts. Alternate Falls, beginning 1995.
- 434. International Finance (3).** *Prerequisite:* FIN 301. Problems in foreign operations and other aspects of multi-national-business; the role of international money and capital markets; financing trade and economics development. Spring.
- 440. Real Estate Finance (3).** *Prerequisite:* FIN 301. Institutions, instruments and mortgage banking practices. Emphasis on analyzing mortgage risks, loan terms and rates, servicing, foreclosure, sources of mortgage credit and government influences. Scheduled on demand.
- 441. Financial Management (3).** *Prerequisite:* FIN 301. A study of financial decision making. Profit planning, financing strategies, financial analysis and ethical questions are emphasized. Spring.
- 474. Investments (3).** *Prerequisite:* FIN 301. A survey of investment principles and practices. Emphasis is given to security analysis and portfolio management, with special attention focused on the individual investor. Fall.
- 475. Advanced Topics in Finance (3).** *Prerequisite:* FIN 441. Application of financial management techniques to capital structure policy, dividend policy, financing decisions, working capital management and corporate restructuring. Fall.
- 480. Speculative Markets (3).** *Prerequisites:* FIN 301 and FIN 474. An introduction to the pricing of futures and options contracts that includes the cost-of-carry model, put-call parity, and the Black-Scholes model. Alternate Springs, beginning 1995.
- 481. Seminar in Finance (3).** *Prerequisite:* Should be taken in Senior year. Exceptions must be approved by department head. Financial theories and problems involving investment, financing, and dividend decisions. Spring.
- 486. Independent Research in Finance (3).** *Prerequisite:* Permission of the department head. Research will be conducted into an area of "special interest" documented by a thesis-styled research paper. Scheduled on demand.
- 489. Finance Internship (3).** *Prerequisites:* Senior status and the approval of the Finance Department Head. Provides the finance major with practical experience in the field via an internship arrangement. (PASS/FAIL grade only). Fall and Spring.

ECONOMICS (EC)

- 221. Principles of Economics I (3).** Microeconomic analysis, including the consumer, the firm, the market and price determination. Fall and Spring.
- 222. Principles of Economics II (3).** A macroeconomic approach, including money and banking, national income accounting monetary and fiscal policy, and international economics. Fall and Spring. (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. Statistics/Quantitative Methods I (3).** May be counted as a course in the Department of Economics. For description, see Statistics 260.

- Business Statistics 261. Statistics/Quantitative Methods II (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. Scheduled on demand.
301. **Development of the Modern Western Economy, 1776 to 1913 (3).** Growth of the U.S. from an underdeveloped economy into a highly advanced economy. An effort is made to seek out and study growth and development factors of relevance to today. Scheduled on demand.
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. Scheduled on demand.
303. **Money and Banking (3).** *Prerequisites:* EC 221, 222. Topics in monetary policy, theory, monetary standards, the commercial banking system, and the federal reserve system are considered in detail. Fall and Spring.
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 economies. 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. Scheduled on demand.
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. Fall.
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. Scheduled on demand.
315. **Labor Economics (3).** *Prerequisites:* EC 221, 222. Analysis of labor-management-government relationships in the industrialized segment of the American economy. Fall.
316. **Managerial Economics (3).** *Prerequisites:* EC 221, 222. Application of the principles of economics to business management situations. Emphasis in reconciling simple but meaningful models with the complex situations encountered in business. Scheduled on demand.
320. **Mathematics for Economics (3).** *Prerequisites:* EC 221, 222, and MS 102 or 104. Use of mathematical concepts in the expression of economic relationships. Emphasis on the concepts and elementary techniques of differential calculus and matrix algebra. Scheduled on demand.
321. **Intermediate Microeconomic Theory (3).** *Prerequisites:* EC 221 and 222. The theory of the pricing system under varying market conditions and the distribution of income among the factors of production. Fall.

322. **Intermediate Macroeconomic Theory (3).** *Prerequisites:* EC 221 and 222. The measurement of national output, including income and employment theory, general equilibrium theory, and the theories of interest, investment, and consumption. Spring.
323. **Intermediate Monetary Theory (3).** *Prerequisites:* EC 303 and 322. Analysis of monetary theory and its application to policy measures. Scheduled on demand.
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. Scheduled on demand.
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. Scheduled on demand.
402. **Marxian Philosophy and Economics (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. Scheduled on demand.
420. **History of Economic Thought (3).** Examination of the main theoretical developments since the beginning of the systematic study of economics in the 18th century. Special emphasis is given to the following major schools of economic thought: Mercantilists, Physiocrats, Classicists, Socialists, Marginalists, Neo-Classicalists, Keynesians, and Post-Keynesians. Spring.
450. **International Economics (3).** *Prerequisites:* EC 221, 222. Economic analysis of international relations. Emphasis will be placed on theories of exchange and international monetary economics with only secondary interest placed on institutional arrangements. Scheduled on demand.
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. Scheduled on demand.
463. **Senior Seminar in Economics (3).** *Prerequisite:* Capstone course, should be taken in Senior year. Exceptions approved by Department Head. Considers the methodology of economics and provides a comprehensive review of economic theory. Spring.
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. Scheduled on demand.
480. **Cycles and Forecasting (3).** *Prerequisites:* EC 221, 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. Scheduled on demand.
486. **Econometrics (3).** *Prerequisites:* EC 221, 222; and ST 261. The application of mathematics and statistics to economics. Techniques by which economic theory can be applied in order to estimate quantitatively functional relationships. Scheduled on demand.
499. **Special Topics and Research (3).** *Prerequisites:* EC 221, 222. Techniques of research and writing are emphasized. Students select an economic topic of interest and write a thesis-type term paper. Scheduled on demand.

BUSINESS STATISTICS (ST)

260. **Statistics/Quantitative Methods I (3).** *Prerequisite:* MS 102. Quantitative methods and statistics as applied to business and economics including optimization, math of finance, descriptive statistics, probability & statistical inference. Fall and Spring.

261. **Statistics/Quantitative Methods II (3).** *Prerequisites:* ST 260. Sampling and statistical inference; hypothesis testing; regression and correlation analysis; and analysis of variance. Fall and Spring.

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

216 MERRILL HALL

**Acting Department Head: Yunker
MANAGEMENT FACULTY**

**Professors: Loftin, McCormick, Yunker
Assistant Professors: Cobb, Hearn, Marker**

**Instructors: Borstorff, Davis
MARKETING FACULTY**

**Professors: Golden, Milewicz
Assistant Professors: Day, Koehler**

DESCRIPTION OF COURSES

MANAGEMENT (MGT)

- Finance 300. Business Law (3).** May be counted as a course in the Management major. For description, see Finance 300.
301. **Principles of Management (3).** *Prerequisite:* Junior standing. A basic course in general management principles and theories. (Formerly MGT 383).
305. **Management & Organizational Behavior (3).** *Prerequisites:* Junior standing and PSY 201. Integration of classical and organizational behavior approaches to management in private and public organizations in various cultures. (Formerly MGT 384). Fall and Spring.
330. **Entrepreneurship (3).** *Prerequisite:* Junior Standing. Comprehensive overview of entrepreneurship and the entrepreneurial process. A practical guide to starting a small business. Spring.
372. **The Dynamics of Organizations (3).** *Prerequisite:* Junior Standing. An analysis of the managerial process and dynamics of organization, with the organization viewed as a system interacting with a changing environment. Fall and Spring.
385. **Human Resource Management (3).** *Prerequisite:* Junior Standing. Basic principles, philosophies, and applications of personnel administration. Fall and Spring.
386. **Supervision (3).** *Prerequisite:* Junior Standing. Study of the functions, techniques, and skills required to supervise in manufacturing and service businesses and nonprofit organizations. Fall and Spring.
389. **Advanced Human Resource Management (3).** *Prerequisite:* MGT 385. An advanced Human Resource Management course. Extensive use of cases, practical application of theory and research into the legal requirements of Human Resource Management. Fall.
390. **Operations and Technology Management (3).** *Prerequisites:* Junior Standing and ST 260 or MS 204. Concepts and techniques for operations and technology management decisions in manufacturing and service business and non-profit organizations. (Lab Fee.) Fall and Spring.
410. **Advanced Operations Management (3).** *Prerequisite:* MGT 390. An in-depth study of selected topics in production and operations management. Spring.
420. **Teams for Total Quality (3).** *Prerequisites:* Senior Status and CBA 320. Examines tools, concepts, and philosophies of managing for quality. Focuses on the development and use of teams to improve quality, productivity, and organizational processes. Fall and Spring.

468. **Wage and Salary Administration (3).** *Prerequisite:* MGT 385. Wage and salary determination including wage policy, job analysis, job evaluation techniques, and methods of compensation. Fall.
- CBA 488. **Small Business Experience (3).** *Prerequisites:* Senior status and completion of all 200-300 level CCBA Business Administration Core courses. May be counted as a course in the Management major. For description, see CBA 488.
489. **Management Internship (3).** *Prerequisites:* Senior status and consent of instructor. Provides the management major with practical experience in the management field via an internship arrangement. (PASS/FAIL grade only.) Fall and Spring.
490. **Collective Bargaining (3).** *Prerequisite:* MGT 385. Collective bargaining in the employer-employee relationship and the strategy used by the various parties in the business process. Spring.
491. **Management Seminar (3).** *Prerequisite:* Senior status. A topical seminar which includes selected readings in current management literature combined with classroom lectures and discussions. Includes supervised and independent student research. Fall and Spring.
495. **Business Decision Simulation (3).** *Prerequisite:* Senior Standing. GPSS computer simulation software is used to construct business decision making models. Problem analysis, report writing, and software use are emphasized. (Lab Fee.) Fall.
496. **International Management (3).** *Prerequisite:* Senior status. Comparative study in managing the international, multinational and national business organization. Spring.
499. **Senior Management Research (3).** *Prerequisites:* Senior status and consent of instructor. Independent research on a management topic jointly selected by student and instructor.

MARKETING (MKT)

301. **Principles of Marketing (3).** *Prerequisite:* Junior standing. An introduction to marketing strategy. Focuses on the application of product, promotion, price and distribution elements in satisfying the wants and needs of target markets. Fall and Spring. (Formerly MKT 376).
361. **Salesmanship and Sales Management (3).** *Prerequisite:* MKT 301. *Prerequisite or corequisite:* MKT 378. A study of the personal selling process. The course focuses on communications, motivation, planning, and practical application of sales techniques. Fall and Spring. (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. Fall and Spring. (Formerly MKT 463).
377. **Advertising and Promotion (3).** *Prerequisite:* MKT 301. *Prerequisite or corequisite:* MKT 378. Investigation of ideas and concepts used to inform consumers of the availability and attributes of products and services through impersonal media, special promotion and public relations. Fall.
378. **Consumer Behavior (3).** *Prerequisite or co-requisite:* MKT 301. A study of fundamental activities, habits, and motives which affect consumer interest, trial, evaluation, usage, and disposal of products. Includes ethical marketing considerations. Fall and Spring.
387. **Channels of Distribution (3).** *Prerequisite:* MKT 301. A study of the institutions and fundamental elements of channel systems, including their legal environment and how price is impacted by channel relationships. Spring.
394. **Retailing (3).** *Prerequisite:* MKT 301. Store layout, location, accounting, personnel, buying, selling, credit policies, and control systems. Fall. (Formerly MKT 494).

- CBA 488. Small Business Experience (3).** *Prerequisites: Senior status and completion of all 200-300 level CCBA Core courses.* May be counted as a course in the Marketing major. For description see CBA 488.
- 489. Marketing Internship (3).** *Prerequisites: Senior status, 12 hours of marketing courses and consent of instructor.* Provides the marketing major with practical experience in the marketing field via an internship arrangement. (PASS/FAIL grade only). Fall and Spring.
- 492. Senior Marketing Seminar (3).** *Prerequisites: Senior status and 12 hours of marketing courses.* Investigation and analysis of current literature and problems in the field of marketing. Includes classroom lectures and discussions; supervised and independent student research. Spring.
- 493. International Marketing (3).** *Prerequisites: Senior status and 12 hours of marketing courses.* An investigation of entry and operational marketing strategies available for development of international business opportunities. Emphasizes the differences in cultural, political, economic, and business environments. Fall and Spring.
- 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. Fall and Spring.
- 497. Market Research (3).** *Prerequisites: Senior status and 12 hours of marketing courses.* The application of research techniques and procedures for assessing markets. Students will conduct an actual research project and submit results in a thesis-type report. (Lab Fee). Fall and Spring.
- 498. Senior Marketing Research (3).** *Prerequisites: Senior status, 15 hours of marketing courses including MKT 497, and consent of instructor.* Independent research on a marketing topic jointly selected by student and instructor.



COLLEGE OF 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

Professor: Groover

Associate Professors: Gee, Osterbind, Shaw

Assistant Professors: Cardwallader, Henricks, Loucks

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 | 3 | ART 234, Draw | 3 |
| | | ART 240, Design | 3 |
| | 15-17 | | 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* | 3 | ART HY 112 | 3 |
| | 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 | 6 | Minor/Electives | 9 |
| | 15 | | 15 |

SENIOR YEAR

| Fall | | Spring | |
|-----------------------|----|-----------------------|----|
| Studio | 6 | Senior Seminar | 3 |
| Minor/Electives | 9 | Studio | 3 |
| | 15 | Minor/Electives | 9 |
| | | | 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 |
| | 15-17 | 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 |
| | <hr/> | | <hr/> |
| | 15-17 | | 15-17 |

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

| | |
|--------------|-------|
| Studio | 6 |
| | <hr/> |
| | 6 |

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 |
| | <hr/> | | <hr/> |
| | 18 | | 18 |

MAY TERM, SUMMER I OR II

| | |
|--------------|-------|
| Studio | 6 |
| | <hr/> |
| | 6 |

SENIOR YEAR

| Fall | | Spring | |
|--------------|-------|----------------------|-------|
| ART HY | 3 | ART HY | 3 |
| Studio | 12 | Studio | 9 |
| | <hr/> | Senior Seminar | 3 |
| | 15 | | <hr/> |
| | | | 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 134 and 233. 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).** *Prerequisite:* Art 404. The study of advanced comprehensive approach to current painting. The emphasis will be on the development of the individual student's originality in problem solving.

409. **Ceramics II (3).** *Prerequisite:* Art 309. Advanced problems in ceramics. Lab fee.
410. **Ceramics III (3).** *Prerequisite:* Art 409. Further advanced problems in ceramics.
413. **Advanced Ceramics IV (3).** *Prerequisites:* Art 409 and 410. The study of advanced aesthetic and technical skills in ceramics. The emphasis will be on the student's individual approach and originality. Lab fee.
419. **Sculpture II (3).** *Prerequisite:* Art 319. Advanced work in sculpture with emphasis on dynamic spatial form.
420. **Sculpture III (3).** *Prerequisite:* Art 419.
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.
479. **Independent Study in Art History (3).** *Prerequisite:* Permission of instructor and department head. 12 hours (300+) of Art History. Must be coordinated by instructor.
- 481, 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.
486. **Internship in Museum Work (3).** *Prerequisite:* 12 hours (300+) in Art History. Designed for students planning a career in Museum work. Course includes history and organization of museums with work experience in a local museum. Recommended for Art History minor.
488. **BFA Seminar (3).** *Prerequisites:* Acceptance in BFA Program and Senior Standing. Required for the BFA. Seminar includes a review of current literature, portfolio presentation, BFA exhibition and senior paper.
- 490, 491, 492, 493, 494, 495, 496, 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).** *Prerequisite: Senior standing.* Senior seminar and exhibit is required of senior art majors and must be taken the semester of graduation. Seminar will cover the important aspects of planning and hanging an exhibit and the preparation of a portfolio and resume. The fruition of this course will be the Senior Exhibit.

DEPARTMENT OF COMMUNICATION (COM)

104 SELF HALL

Department Head: To be Named

Professor: Carmode

Associate Professor: Eoff

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 Information Age requires professionals who are capable of gathering and packaging information for multi-media formats in the 21st Century. Media professionals need a broad background and general education, as well as hands-on skills with new technologies. The ability to express oneself effectively is particularly important for students in a Communication program who hope to become working professionals in the various communications industries. Therefore, satisfactory speaking, writing and keyboard/computer skills are mandatory.

THE BACHELOR OF ARTS DEGREE IN COMMUNICATION is obtained by successfully completing all University requirements, 38 hours in the Department of Communication, and 12 hours in the Department of Foreign Languages. Of the 38 hours in Communication, 26 must include COM 200, 205, 301, 315, 358, 491, 499, either 320 or 325, and either 449 or 459, with the remaining 12 hours selected from any courses offered by the Department of Communication. Of the 12 hours in the Department of Foreign Languages, six must include French, German or Spanish 101 and 102, with the remaining six hours selected from courses offered by the Department of Foreign Languages for which the student is qualified, whether in English translation or in a foreign language. Students must maintain a minimum 2.0 GPA and complete with a minimum grade of "C" all Department of Communication courses required for the degree. Students may repeat courses offered by the Department of Communication only once.

A MINOR IN COMMUNICATION consists of completing all University requirements and a minimum of 21 hours in the Department of Communication. Required courses include 15 hours in COM 200, 205, 301, 315, and 320 or 325. The remaining six hours must be selected from any other communication courses.

Although the Department of Communication does not require a minor or second major, students are encouraged to select one or both options to enhance their Communication major. Students may not declare both a major and minor in the Department of Communication.

Students enrolling in COM 404 - 409, 475, 491, or 499 must apply for admission into those courses *no later than* the preregistration period preceding the semester in which the courses will be taken.

COM 491 and 499 represent the capstone of student achievement at the conclusion of the undergraduate academic program. It is in these courses that the student will concentrate on the area of interest to which he/she aspires. Thus, the student must be properly prepared before registering for these courses. Before registering for COM 491 and 499, all Communication majors must have satisfactorily completed COM 200, 205, 301, 315, 320 or 325, 358, and 449 or 459. Additionally, the student must have satisfactorily completed courses which specifically pertain to his/her area of interest. The interest areas and their requirements are:

Radio/TV Production—COM 320, 470

Broadcast News—COM 320, 410, 415, 470

Print Journalism—COM 325, 410, 415

Public Relations—COM 325, 330, 430

DESCRIPTION OF COURSES
COMMUNICATION (COM)

200. **Intro to Mass Communication (3).** A survey of the mass media and their interrelationship with each other and society.
205. **Intro to Media Writing (3).** *Prerequisite:* EH 101. Basic writing for electronic and print media. Includes news, features, press releases and advertisements for various media.
301. **Intro to Media Production (3).** *Prerequisites:* COM 200 and 205. Practical training in the fundamentals of audio and video production techniques, including various exercises in each production area.
315. **Intro to News (3).** *Prerequisites:* COM 200, 205; EH 101, 102; keyboard/word processing skills. Fundamentals of information seeking and gathering, plus writing for various media. Requires out-of-class assignments.
320. **Video Production and Editing (3).** *Prerequisite:* COM 301. Videography and videotape editing of programs and/or announcements produced with portable video equipment.
325. **Multi-Media Editing (3).** *Prerequisites:* COM 301 and 315. Storing and editing of materials produced by and for various media, including audio, video, computer and print materials.
330. **Intro to Public Relations (3).** *Prerequisite:* Permission of instructor. Basic concepts of public relations, including history, theory, organization and ethics. Writing emphasized.
350. **Announcing (3).** Fundamentals of voice and diction applied to audio and video media delivery. Includes commercials, news, interviews, and ad-lib announcing.
358. **Communication Theory (3).** *Prerequisites:* Jr. standing and COM 200, or permission of instructor. Theoretical aspects of the communication process, including intrapersonal, interpersonal, and mass communication research principles.
401. **Media Advertising and Sales (3).** *Prerequisite:* Permission of instructor. Theory and application of advertising and sales in the print and electronic media.
- 404, 405, 406. **Media Workshop (1 each).** *Prerequisites:* COM 320 or 325 and permission of instructor. Supervised assignments demonstrating development of high-level competencies and skills in various areas of the media.
- 407, 408, 409. **Media Workshop (1 each).** *Prerequisites:* Permission of instructor and Faculty Review Board. Advanced assignments demonstrating development of higher-level competencies and skills in various areas of media.
410. **Media Features (3).** *Prerequisite:* COM 320 or 325 and permission of instructor. Principles and practices of writing features. Requires out-of-class assignments.
415. **Advanced Print/On-Line News (3).** *Prerequisite:* COM 315. Principles and practices of in-depth, multi-source, public affairs and issues reporting for print and on-line information systems. Requires out-of-class assignments.
425. **Media Management (3).** *Prerequisite:* Permission of instructor. Principles and practices for management of print and electronic media facilities.
430. **Advanced Public Relations (3).** *Prerequisite:* COM 330. Application of public relations concepts and principles to client needs. Case studies and writing emphasized.
449. **Communication Law I (3).** *Prerequisite:* Junior standing. Study of legal system of state and nation as related to media, including libel, privacy, copyright, access, contract, and First Amendment issues.

459. **Communication Ethics (3).** *Prerequisite: Junior standing.* Ethical foundations of the media, including the interrelationships of the media, the public, and the government.
470. **Advanced Electronic News (3).** *Prerequisite: COM 320 or 325.* Principles and practices for gathering, writing, reporting and producing news for electronic media. Requires out-of-class assignments.
475. **Directed Study (3).** *Prerequisite: Permission of instructor.* Supervised study permitting students to pursue specific areas of interest in communication.
491. **Internship (3).** *Prerequisite: All Communication courses required for the area of interest, and prior approval of internship coordinator.* Supervised on-the-job experience with an appropriate media facility.
499. **Senior Workshop (2).** *Prerequisite: All Communication courses required for the area of interest, and prior approval of the Faculty Review Board.* Students will demonstrate knowledge and understanding of fundamental communication and media principles. Students will also apply knowledge and skills in their areas of emphasis.

JOURNALISM (JN)

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.

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 | MS* | 3 |
| COM 200 | 3 | COM 205 | 3 |
| | <hr/> 15 | | <hr/> 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 301 | 3 | COM 315 | 3 |
| | <hr/> 16 | | <hr/> 16 |

Junior Year

| Fall | | Spring | |
|------------------------------|----|------------------------------|----|
| COM 320 or 325 | 3 | COM 449 or 459 | 3 |
| COM 358 | 3 | COM Elective | 3 |
| FL 101 | 3 | FL 102 | 3 |
| General Elective/Minor | 9 | General Elective/Minor | 6 |
| | 18 | | 15 |

Senior Year

| Fall | | Spring | |
|------------------------------|----|------------------------------|----|
| COM Elective | 6 | COM 499 | 2 |
| FL Elective | 3 | COM Elective | 3 |
| General Elective/Minor | 7 | FL Elective | 3 |
| | 16 | General Elective/Minor | 7 |
| | | | 15 |

Summer

| | |
|---------------|---|
| COM 491 | 3 |
| | 3 |

TOTAL HOURS: 128

*See Core Curriculum

DEPARTMENT OF DRAMA (DR)**342 STONE CENTER**

Accredited by the National Association of Schools of Theatre

Ward: Department Head

Professors: Claeren, Ward

Assistant Professor: Clements

Instructor: McCain

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. (Fall, Spring, May.)
242. **Introduction to the Theatre (3).** The appreciation of theatre as an expressive art form and as a business. A general survey of acting, directing, designing, playwriting, and audience going. (Fall, Spring, May, Summer I.)
- 250, 350, 450. **Student's Theatre (1) (1) (1).** Active participation in the department's plays in the areas of scenery construction, painting, lighting, costumes and make-up. Three laboratory hours per week arranged with drama faculty. (Fall, Spring, May, Summer I.)

260. **Summer Theatre Workshop (3).** An intensive course in which students work on all phases of theatre production from building scenery to performing in a major play which will be produced for the public during the last week of the course. (May, Summer I.)
- 281, 381, 481. **Dramatic Laboratory (1) (1) (1).** Experiments in the basics of acting. Limit 1 hour credit per semester. (Each semester.)
284. **Stage Crafts (3).** Introduction to physical theatres, scenery construction and painting, properties, lighting and sound. (Fall and Summer I.)
285. **Theatrical Design I (3).** Principles and problems of staging in arena, thrust, proscenium, and flexible theatres. Designs for settings of plays in models and perspective rendering. (Formerly DR 385). (Fall.)
- 287, 288. **Costume Design I & II (3) (3).** Exploration of basic design elements and fabrics and their culmination into stage costume: period, character, and stylized. (Offered in alternate years, Spring)
342. **Directing (3).** *Prerequisites: Drama 241 and permission of instructor.* Fundamental principles of theatrical directing. (Spring.)
343. **Auditioning and Portfolio (3).** Exercises in preparing actors, directors, designers, technical directors and stage managers for auditions and portfolio review. (Fall.)
351. **Playwriting (3).** *Prerequisite: Drama 242 and permission of instructor.* Exercise in dramaturgical technique and the completion of a stage-worthy script by each student. (Offered in alternate years, Spring)
354. **Movement for the Stage (3).** The examination and application of the theories of stage movement and the metakinetic process. Emphasis placed on the 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. (Spring.)
- 361, 362. **Theatre History (3) (3).** Conditions under which the great plays of the world have been produced. Audience, actors, patrons, physical conditions, architecture, and the relation to the other arts. 1st semester: Antiquity to 1600. 2nd semester: 1600 to present. (Fall and Spring.)
383. **Puppetry (3).** Scope and development of puppetry throughout the world. Practical experience in the design, making, and performing puppets. (Offered infrequently.)
386. **Stage Lighting (3).** Principles and problems of lighting for mood and effect in play production. (Spring.)
387. **Stage Make-up. (3).** Creation of straight, character, middle-age, old-age, beards, rubber prosthesis, and stylized make-up to aid the actor. (Fall, Spring, Summer I.)
388. **Stage Costume History (3).** History of costume as to styles, period fabrics, construction, and movement for theatrical performance. (Offered in alternate years, Spring)
389. **Sound Effects for the Performing Arts (3).** Production and design of sound effects, microphone selection and placement, recording techniques and equipment. (Offered infrequently.)
390. **Speech for the Performing Arts (3).** A course designed to improve diction, pronunciation, accent, reading and intonation. (Spring.)
391. **Scene Painting (3).** Techniques of scene painting to include drop painting, perspective illusion, lighting consideration, budget and equipment. (Spring.)
398. **Costume Techniques (3).** Basics of construction of stage costumes; alteration and repair of existing costumes and the implementation of professional costume shop practices. (Fall and Spring.)
441. **Acting II (3).** Advanced acting scenes and problems of various periods. (Spring.)

443. **Oral Interpretation (3).** Development of skill in reading aloud. Study of the methods used to convey the intellectual, emotional, and aesthetic values of literature to an audience. (Offered infrequently.)
445. **Child Drama (3).** Instruction in the supervision of pre-school through elementary grade children in the spontaneous expression of ideas and characters through the theatrical form. Emphasis on the contribution of informal drama to the total development of the child. (Offered infrequently.)
463. **Dramatic Theory (3).** An investigation into the major theories of drama from Aristotle to the present. Extensive reading of playscripts as well as analytical works. (Fall.)
464. **Dramatic Criticism (3).** An examination of the aesthetics and function of dramatic criticism as well as the work of practicing critics. Application of critical principles through reviewing theatrical performances. (offered in alternate years, Spring)
465. **Musical Theatre (3).** A historical study of musical theatre in America from 1735 to the present. Emphasis is on theme, composers, performers, producers, and choreographers. (Spring.)
475. **Special Problems in Drama (3).** *Prerequisites: Successful completion of 24 hours of drama or enrolled in Language Arts.* Individually designed and supervised research projects or production assignments. (Each semester.)
486. **Stage Lighting II (3).** Advanced lighting techniques and design problems. *Prerequisite: Drama 386.* (Spring.)
487. **Stage Makeup II (3).** *Prerequisite: DR 387.* Advanced makeup techniques for theatre, film, and television. Creation of false teeth and prosthetics for three dimensional, old-age and specialty makeups. (May.)
490. **Senior Practicum (1).** *Prerequisites: Senior standing and thirty-six hours in drama.* Directed practicum in one of these areas: acting, directing, design, management, technology, or theatre education. (Each semester.)
498. **Costume Techniques II (3).** A continuation of Drama 398. Methods of transforming a costume into a stage costume. Projects in period draping, construction, corseting and trimming. *Prerequisite: Drama 398.* (Fall and Spring.)

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

| Fall | | Spring | |
|----------------------------|----|----------------------|----|
| EH Comp 101 | 3 | EH Comp 102 | 3 |
| HY* | 3 | EH 141, Spch | 2 |
| Analysis* | 3 | HY* | 3 |
| Fine Arts Elective** | 3 | Analysis | 3 |
| DR 242, Intro | 3 | DR Elective*** | 3 |
| | 15 | | 14 |

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 |

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 |
| | | EH 373, Cont. DR | 3 |
| | 18 | | 16 |

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 |
| | 16 | | 16 |

TOTAL HOURS: 129-131

*See Core Curriculum

**Fine ART Other Than Drama

***Select from DR 285, 287, 288 or 342.

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, Francis, Knapp****Assistant Professors: Jackson-Fields, Parker, Vallo****Instructors: Bodiford, Culver, Holloway, 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) | 2 |
| Total | 24 |

Music Electives

Introduction to Music 233 and all ensembles are available to any student in the University and are designed to meet the needs of the general student who wishes to increase his appreciation and understanding of music.

DESCRIPTION COURSES

APPLIED MUSIC

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

Each student must take a placement examination for the first course attempted in any applied music area, and performance examinations are given at the end of each semester. All music majors must pass a piano proficiency examination before graduation. This test will be administered by the piano faculty and may be taken at any time during the student's undergraduate study. Successful completion of either MU 270 or MU 271 (Keyboard Harmony and Accompaniment) may be substituted for the proficiency examination.

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

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

INDIVIDUAL INSTRUCTION

Courses for Majors and Minors

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

Majors must take at least six semesters in individual applied music courses. The final two semesters of this work must culminate in a public recital. 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). The primary applied area for majors and minors. Includes studies, literature, improvisation and performance. 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 in different 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 (2).** *Prerequisite: Music 233.* A survey course correlating the development of music literature with the historical development of world culture from the early beginning of music to the Baroque Period.
412. **Music History and Literature (2).** *Prerequisite: Music 411.* A continuation of Music 411 from the Baroque Period to the present.
415. **Advanced Brass Methods and Literature (3).** *Prerequisite: Upper division undergraduate or graduate standing, with permission of instructor.* A survey of brass teaching materials for the public school or college teacher. Methods, etudes, and special studies of each instrument will be examined and discussed. Available records and corollary readings will supplement class discussion.
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. (Spring)
444. **Choral Conducting (3).** *Prerequisite:* Music 210. Training and experience in the techniques of Choral Conducting through the study of representative choral literature. Discussion of score preparation and rehearsal procedures. (Fall)
471. **Elementary Music Materials and Methods (3).** Methods, materials, and problems of teaching general music. Grades N-6. (Fall)
481. **Secondary Music Materials and Methods (3).** Professional preparation of music teachers, grades 7-12. Computer literacy and development of fundamental computer skills for music educators. (Spring)
487. **Internship in Grades N-12 (3).** Supervised classroom observation and student teaching in vocal and/or instrumental music in grades N-12. The education degree candidate is required to take a minimum of 9 hours internship and should consult an academic adviser about scheduling.
- 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. **Mallet Ensemble (1 each semester).**
- 148, 149, 248, 249, 348, 349, 448, 449. **Wind Ensemble (1 each semester).**
- 150, 250, 350, 450. **Symphonic Band (1 each semester).**
- 158, 159, 258, 259, 358, 359, 458, 459. **Trombone Ensemble (1 each semester).**
- 162, 163, 262, 263, 362, 363, 462, 463. **Chamber Singers (1 each semester).**

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| 164, 165, 264, 265, 364, 365, 464, 465. | Saxophone Choir (1 each semester). |
| 168, 169, 268, 269, 368, 369, 468, 469. | Percussion Ensemble (1 each semester). |
| 172, 173, 272, 273, 372, 373, 472, 473. | Brass Choir (1 each semester). |
| 176, 177, 276, 277, 376, 377, 476, 477. | Clarinet Choir (1 each semester). |
| 178, 179, 278, 279, 378, 379, 478, 479. | Jazz Ensemble (1 each semester). |
| 182, 282, 382, 482. | Accompanying (1 each semester). |
| 188, 189, 288, 289, 388, 389, 488, 489. | Applied Ensemble (1 each semester). |
| 192, 292, 392, 492. | Marching Southerners (1 each semester). |
| 193, 293, 393, 493. | Concert Band (1 each semester). |
| 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 | MU 233 | 3 |
| MU 101, Theory | 3 | MU 102, Theory | 3 |
| MU 111 | 1 | MU 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 |
| | 19 | | 19 |

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 |
| | 19 | Class Applied ⁴ | 1 |
| | | | 19 |

JUNIOR YEAR

| Fall | | Spring | |
|-----------------------------------|----|---------------------------------------|----|
| MED 471 | 3 | PHS 332, MU | 3 |
| SPE 300, Survey | 3 | EPY 429 or MED 443 ⁵ | 3 |
| MU 260 | 1 | MED 481 | 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 | 2 | MU 412 | 2 |
| MU 210 | 2 | MU 300 | 0 |
| Large Ensemble ² | 1 | Large Ensemble ² | 1 |
| Class Applied ⁴ | 1 | Class Applied ⁴ | 1 |
| | 18 | | 18 |

SENIOR YEAR

| Fall | | Spring | |
|---------------------------------------|----|----------------------------|----|
| Social/Behavioral Science | 3 | MED 487 ⁶ | 9 |
| EPY 429 or MED 444 ⁵ | 3 | ED 331 | 3 |
| EED 342 or 383 | 3 | EPY 332, ED PSY | 2 |
| EC 222 | 3 | ESE 454 | 1 |
| Class Applied ⁴ | 1 | | |
| MED 442 | 3 | | 15 |
| Small Ensemble | 1 | | |
| Large Ensemble ² | 1 | | |
| | 18 | | |

TOTAL HOURS: 145

*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 Marching Southerners, Wind Ensemble, Symphony Band, Concert 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.

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.

BACHELOR OF ARTS MAJOR: MUSIC

FRESHMAN YEAR

| Fall | | Spring | |
|--------------------------------------|-----------|--------------------------------------|-----------|
| EH Comp 101 | 3 | EH Comp 102 | 3 |
| EH 141, Spch | 2 | Natural Science* | 4 |
| Natural Science* | 4 | MU 233 | 3 |
| MU Theory 101 | 3 | MU Theory 102 | 3 |
| MU 111 | 1 | MU 112 | 1 |
| MU 134 ¹ , Appl | 2 | MU 135 ¹ , Appl | 2 |
| MU 104 | 1 | MU 105 | 1 |
| Required Ensemble ² | 1 | Required Ensemble ² | 1 |
| | 17 | | 18 |

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 | 4 |
| Ensemble Elective | 1 | Ensemble Elective | 1 |
| | 17 | | 16 |

SENIOR YEAR

| Fall | | Spring | |
|------------------------------------|-----------|------------------------------------|-----------|
| Minor/Electives ³ | 9 | Minor/Electives ³ | 9 |
| MU 411, HY | 2 | MU 412, HY | 2 |
| Wellness* | 3 | PHS 332 | 3 |
| Ensemble Elective | 1 | Ensemble Elective | 1 |
| | 15 | | 15 |

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, Marching Southerners, Wind Ensemble, Symphony Band, Concert Band, Jazz Ensemble, and Brass Choir. Any deviation in the selection of required ensembles must have the written approval of the Head of the Music Department.

³A non-music minor must be included in the 22 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 | 1 | Required Ensemble ² | 1 |
| | 18 | | 18 |

SOPHOMORE YEAR

| Fall | | Spring | |
|--------------------------------------|----|--------------------------------------|----|
| EH 141, Spch. | 2 | Literature* | 3 |
| Literature* | 3 | Analysis* | 3 |
| Analysis* | 3 | Social/Behavioral Science* | 3 |
| MU 233 | 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 | 1 | Required Ensemble ² | 1 |
| | 19 | | 19 |

JUNIOR YEAR

| Fall | | Spring | |
|---------------------------------------|----|---------------------------------------|----|
| Foreign Language (FH or GN Only) .. | 3 | Foreign Language (FH or GN Only) .. | 3 |
| CS 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 | |
|--|----|--|----|
| Social/Behavioral Science | 3 | MU Electives | 2 |
| PHS or MU 332 | 3 | MU 412 HY | 2 |
| MU 411 HY | 2 | MU 437 ¹ , Appl | 4 |
| MU 436 ¹ , Appl | 4 | Ensemble Elective ³ | 1 |
| Ensemble Elective ³ | 1 | MU Lit. & Spec. Methods ⁵ | 6 |
| MU Lit. & Spec. Methods ⁵ | 6 | MU 400 | 0 |
| | 19 | | 15 |

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, Marching Southerners, Wind Ensemble, Symphony Band, Concert Band, Jazz Ensemble, and Brass Choir. Any deviation in the selection of required ensembles must have the written approval of the Head of the Music Department.

³Piano Performance majors will complete their ensemble electives by registration under Accompanying (MU 182, 282, 382, 482). Credit for these courses 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 Professors: Hunter, Wood

Assistant Professors: Dial, Mericle, 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 theme of Forensic investigations, however is crime scene processing, identification and collection of physical evidence, and the presentation of evidence into a court of law.

Concentration in Law Enforcement. The study of the role and functions of police organizations as agents of social control in a democratic society. This includes an understanding of police history, organizational structure, policies, planning, and coordination between various police organizations. The importance of establishing and maintaining positive and supportive relations with the public is an area of special interest.

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

PLAN OF STUDY

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 an 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 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 |
| | <hr/> 15-16 | | <hr/> 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 |
| | <hr/> 16 | | <hr/> 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 | | |
| Concentration (COR, FI, LE, SA) | 6 | | 15 |
| General Electives/Minor | 3 | | |
| | <hr/> 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 |
| | <hr/> 17 | | <hr/> 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, 361.* A study of constitutional issues in the administration of justice, fair trial guarantees, humane punishment, and the civil and criminal liability of criminal justice professionals.
- 411. **Victimless Crimes (3).** Study of controversial area of law that deals with "consensual crimes." Topics to be included for discussion may be: homosexuality; drugs; obscenity and pornography; prostitution; gambling. The history of legislative enactments and judicial decisions will be dealt with, as well as the social and political implications of enforcement to both police agencies and their clients.
- 417. **Criminal & Deviant Behavior (3).** An analysis of criminal and deviant behavior systems with an emphasis on classical and contemporary theories of crime causation.
- 466. **Drugs of Abuse (3).** Drugs of abuse, their field identification and drug abuse education.
- 488, 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. (Pass-Fail Grade Only)

LAW ENFORCEMENT (LE)

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

- 363. **Foundations of Law Enforcement (3).** An examination of the foundations of American law enforcement from its cultural heritage in England to the present.
- 370. **Police Administration (3).** *Prerequisite: CJ 101.* Organizational structure and coordination of all branches of law enforcement agencies; police, staff, and auxiliary function, their interrelationships and interdependence.

376. **Traffic Control (3).** *Prerequisite:* CJ 101. The traffic control function as a part of police role; history and growth of the traffic problem; analysis of the organization for traffic control; accident investigation; traffic flow pattern; education and enforcement; traffic laws; high accident frequency locations.
380. **Patrol Procedure and Communication (3).** *Prerequisite:* CJ 101. Techniques of patrol and observation; handling complaints and called-for-service; mechanics of arrests; officer's notebook procedure and report writing.
- SA 395. **Crime Prevention (3).** See description under Security Administration.
402. **Police and Community Relations (3).** *Prerequisite:* CJ 101. Study of the numerous and complex factors involved in the area of human relations as it affects policing and police management.
460. **Criminal Investigations (3).** *Prerequisites:* CJ 101, CJ 301. Practical application of investigative techniques for specific crimes such as sex offenses, murder, robbery, arson, assaults, and fraud cases.
- FI 464. **Interviews/Interrogations (3).** See description under Forensic Investigations.
- 471, 472. **Law Enforcement Internship (3) (3).** *Prerequisites:* Junior standing, CJ 101, LE 370, 402, 460 and consent of instructor. Supervised work experience in law enforcement. The student is required to attend a preannounced orientation one semester prior to internship. (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.
- LE 460. **Criminal Investigations (3).** See description under Law Enforcement.
- FI 464. **Interviews/Interrogations (3).** See description under Forensic Investigations.
- 473, 474. **Corrections Internship (3) (3).** *Prerequisites:* Junior standing, CJ 101, 200, COR 310, 420 and consent of the instructor. Supervised work experience in Corrections. The student is required to attend a preannounced orientation one semester prior to internship.
- 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) (3).** 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
The Alabama State Department of 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

In the fall of 1993, the faculty of the College of Education adopted "The Developing Education Professional as Creative Decision-Maker" as its model, or metaphor, for teacher preparation programs. As with any creative endeavor, teachers must understand their message, audience, medium, tools, and process and must make creative decisions in all these areas. They must prepare to take on the challenge of the decision-making process with the full knowledge that their educational advancement and, consequently, that of the students they serve, requires a personal commitment to life-long learning. The various programs thus structured prepare teachers who enter the field armed with knowledge gleaned from both its rich history and its state-of-the-art scholarship.

The College of Education 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

German

Music - Instrumental

Music - Vocal/Choral

Physical Education

Spanish

Special Ed. - Emotional/Conflicted

Special Ed. - Mentally Retarded

Special Ed. - Hearing Impaired

SINGLE COMPREHENSIVE TEACHING FIELD DEGREE PROGRAMS

(Grades: 7-12)

General Science

Home Economics

Language Arts

Social Science

Mathematics

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

Biology

English

French

German

Health Education

History

Mathematics

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

English

History

Language Arts

Mathematics

Science

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. Students in Early Childhood and Elementary Education are required two full days (14 hours) of observation.
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 pri-

*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.

ority 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 C-5, Ramona Wood Hall.

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 307, FCS 352, EIM 312, the junior block courses and ECE Block.
- 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 333, 341, 343, 362, 405, EIM 312, plus the junior block courses.
- J. The student must complete a minimum of five days of full time, structured field experiences in block practicum courses.
- K. The student must earn the grade of "C" or above in all professional studies.** If a grade below a "C" is earned, the student must upgrade the grade prior to student teaching.

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

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 in 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.

- D. The candidate for graduation must earn a passing score on a comprehensive examination which covers the content of the teaching field(s) and professional studies.

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 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 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. Effective: Fall, 1989, and thereafter.
- D. Anyone convicted of a felony may be denied certification or have certification revoked by the State Superintendent. Questions may be directed to the Director of Advisement and Certification, College of Education.
- 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.

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

DEPARTMENT OF CURRICULUM AND INSTRUCTION

312 RAMONA WOOD HALL

Harper: Acting Department Head

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

Associate Professors: Harper, Lowry, Williams

Assistant Professors: Hale, Haynes

Instructors: Hawkes, Owens, Sudduth

EARLY CHILDHOOD EDUCATION (ECE)

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

DESCRIPTION OF COURSES

303. **Introduction to Early Childhood Education (3).** An introduction to the historical, philosophical, and cultural aspects of early childhood education. Practicum included. (Formerly ECE 402)
304. **Early Literacy (3).** Materials and methods of teaching literacy in early childhood. Language arts, reading, assessment, and evaluation in early childhood will be emphasized. 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. (Formerly ECE 401)

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. (Formerly ECE 375)
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.
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.

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

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 |
| | | CS 201, Intro to Data Proc. | 3 |
| | 16 | | 19 |

SOPHOMORE YEAR

| Fall | | Spring | |
|-------------------------------|----|-------------------------------|-------|
| Literature* | 3 | Literature* | 3 |
| ART 202, MU 233, or DR 242 | 3 | PSY 201, SY 221, PSC 100, | |
| IS 228, & 228 L, Bio Sci. for | | GY 120, or 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 410, Info Age Classrm. | 2 |
| | 17 | Gen. or Concentration Elec.** | 3-4 |
| | | | 17-18 |

JUNIOR YEAR

| Fall | | Spring | |
|---|----|---|----|
| ECE 303, Intro. Early Child | 3 | EED 339, Integrated Theory & Practice | 3 |
| ECE 304, Early Literacy | 3 | EED 342, Dev. Literacy | 3 |
| ECE 305, Creative & Mental Development I | 3 | EED 344, Dev. Language Skills | 2 |
| ECE 306, Creative & Mental Development II | 3 | EED 421, Effective Tchg. Strat. | 2 |
| EH 348, Composition & Spch. | 3 | EPY 332, Educ. Psychology | 2 |
| 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. Studies | 3 | | 12 |
| EED 341, Tchg. Math for Children ... | 3 | May | |
| EED 405, Contemp. Issues | 3 | ECE 307, Assessment of Young Children | 3 |
| EIM 312, Children's Lit | 3 | | 3 |
| | 15 | | |

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 4 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. (Formerly ECE 375 and EED 462)
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 (2).** 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 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 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 |
| | | CS 201, Intro to Data Proc. | 3 |
| | 16 | | 19 |

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 410, Info. Age Class. | 2 |
| | 17 | Gen. or Concentration Elec.** | 3-4 |
| | | | 17-18 |

JUNIOR YEAR

| Fall | | Spring | |
|---|----|---------------------------------------|----|
| EED 339, Integrated Theory & Practice | 3 | EED 354, Literacy & Learning | 3 |
| EED 342, Dev. Literacy | 3 | EED 362, Tchg. Science for Children . | 3 |
| EED 344, Dev. Language Skills | 3 | EH 348, Composition & Spch. | 3 |
| EED 421, Effective Tchg. Strat. | 2 | PE 361, PE in Elementary Schools | 3 |
| EPY 332, Educ. Psychology | 2 | Concentration Elective** | 6 |
| Concentration Elective** | 3 | | 18 |
| | 16 | | |

SENIOR YEAR

| Fall | | Spring | |
|---|----|---------------------------|----|
| EED 333, Arts in Integrated Curriculum | 3 | EED 470, Internship | 12 |
| EED 343, Curr. Integ. In Tchg. Soc. Studies | 3 | | 12 |
| 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 132-133

*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 4 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. Non-transfer students are advised to complete this course in sophomore year.
- 388. **Sign Language and Deafness II (3).** *Prerequisite: SPE 387 or permission of instructor.* Continues acquisition of sign vocabulary and focuses on development of ASL and Pidgin skills. Non-transfer students are advised to complete this course in sophomore year.
- 389. **Mainstreaming Hearing Impaired Child (3).** Adapts the teaching and learning programs of the school to the particular needs of the hearing impaired.
- 401. **Physical Education for Exceptional Children (3).** Emphasis will be placed on activities of a recreational nature which may be used with the exceptional child. A student practicum will be required.
- 402. **Creativity and the Curriculum (3).** An introduction to the fields of art for teachers of exceptional children. A multi-media approach will be used in a workshop situation.
- 403. **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 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. 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 | Economics 222 | 3 |
| Psychology 201 | 3 | MS 102, Algebra | 3 |
| History | 3 | History* | 3 |
| | <u>16</u> | | <u>16</u> |

SOPHOMORE YEAR

| Fall | | Spring | |
|---------------------------|-----------|---------------------------------|-----------|
| Literature* | 3 | Literature* | 3 |
| Math* | 3 | EH 141, Speech | 2 |
| Physical Science | 3 | CS 201, Intro. to Data Proc. | 3 |
| PE 109, Wellness | 3 | EH 348, Composition & Speech | 3 |
| EIM 410, Info. Age Class. | 2 | SPE 300, Survey | 3 |
| PSY 330, Abnormal Psy | 3 | SPE 331. Cognitive Impairment** | 3 |
| | <u>17</u> | | <u>17</u> |

JUNIOR YEAR

| SU I | | SU II | |
|-----------------------------|----------|-------------------------------|---|
| SPE 311, Conceptual Models | 3 | SPE 405, Iss. & Found. of SPE | 3 |
| SPE 402, Creativity & Curr. | 3 | | 3 |
| | <u>6</u> | | |

| 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 418, Independent Living** | 3 |
| SPE 419, Severe Disorders | 3 | | |
| | <u>18</u> | | <u>16</u> |

SENIOR YEAR

| Fall | | Spring | |
|------------------------------|-----------|---------------------|------------------|
| SPE 416, Assessment | 3 | SPE 481, Internship | 12 |
| EED 342, Dev. Literacy | 3 | | |
| EED 341, Math for Children | 3 | | |
| SPE Elective** | 3 | | |
| SPE Elective** | 3 | | |
| EED 405, Contemporary Issues | 3 | | |
| | <u>18</u> | | <u>Total 139</u> |

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 |
| Psychology 201 | 3 | Economics 222 | 3 |
| Fine Arts & Humanities* | 3 | MS 102, Algebra | 3 |
| History* | 3 | History* | 3 |
| | <u>16</u> | | <u>16</u> |

SOPHOMORE YEAR

| Fall | | Spring | |
|--------------------------------|-----------|-------------------------------------|-----------|
| Literature* | 3 | Literature* | 3 |
| Math* | 3 | EH 141, Speech | 2 |
| Physical Science | 3 | CS 201, Intro. to Data Proc. | 3 |
| P.E. 109, Wellness | 3 | EH 348, Composition & Speech | 3 |
| EIM 410, Info. Age Class. | 2 | SPE 300, Survey | 3 |
| PSY 330, Abnormal Psy** | 3 | SPE 331, Cognitive Impairment | 3 |
| | <u>17</u> | | <u>17</u> |

JUNIOR YEAR

| SU I | | SU II | |
|------------------------------------|----------|-------------------------------------|----------|
| SPE 311, Conceptual Models** | 3 | SPE 405, Iss. & Found. of SPE | 3 |
| SPE 402, Creativity & Curr | 3 | | <u>3</u> |
| | <u>6</u> | | |

| 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 418, Independent Living | 3 |
| SPE 419, Severe Disorders** | 3 | | <u>16</u> |
| | <u>18</u> | | |

SENIOR YEAR

| Fall | | Spring | |
|------------------------------------|-----------|---------------------------|------------------|
| SPE 416, Assessment | 3 | SPE 481, Internship | 12 |
| EED 342, Dev. Literacy | 3 | | <u>Total 139</u> |
| EED 341, Math For Children | 3 | | |
| SPE Elective** | 3 | | |
| SPE Elective** | 3 | | |
| EED 405, Contemporary Issues | 3 | | |
| | <u>18</u> | | |

| 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* | 3 | History* | 3 |
| | <hr/> 16 | | <hr/> 16 |

SOPHOMORE YEAR

| Fall Semester | | Spring Semester | |
|---------------------------------|----------|----------------------------------|----------|
| Literature* | 3 | Literature* | 3 |
| Math (133) | 3 | EH 141, Speech | 2 |
| Social Science (Psy 201) | 3 | CS 201, Intro. to Data Proc. | 3 |
| PE 109, Wellness | 3 | EH 348, Compos. & Spch.** | 3 |
| EH 321** Advanced Grammar | 3 | SPE 300, Survey | 3 |
| SPE 387, Sign Lang & Deafness I | 3 | SPE 388, Sign Lang & Deafness II | 3 |
| | <hr/> 18 | | <hr/> 17 |

JUNIOR YEAR

| Fall Semester | | Spring Semester | |
|-------------------------------|----------|----------------------------|----------|
| FCS 350, Lifespan Dev | 3 | SPE 385, Curr & Clsrm 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 342, Dev. Literacy | 3 | SPE 302, Psy of Deafness | 3 |
| SPE 401, PE for Excp. Child | 3 | EED 362, Science for Child | 3 |
| | <hr/> 15 | | <hr/> 15 |

MAY

| | | | |
|---------------------------|---------|-----------------------------|---------|
| EIM 410, Info. Age Class. | 2 | SUM I | |
| EED 341, Math for Child | 3 | SPE 334, Speech Dev. HI | 3 |
| | <hr/> 5 | SPE 402, Creativity & Curr. | 3 |
| | | | <hr/> 6 |

SENIOR YEAR

| Fall Semester | | Spring Semester | |
|---------------------------------|----------|---------------------|-----------------|
| SPE 307, Audiology | 3 | SPE 481, Internship | 12 |
| SPE 386, Met/ Applic in Classrm | 3 | | |
| SPE 350,** Tchg. HI Read & Writ | 3 | | |
| SPE 408, Practicum in HI | 3 | | |
| SPE 409, Eval. of Tchg./Lrng | 3 | | |
| | <hr/> 15 | | <hr/> Total 135 |

*See Core Curriculum

**EH 321 and EH 348 are absolute prerequisites for SPE 333. SPE 333 is an absolute prerequisite for SPE 350 and SPE 350 is a corequisite for SPE 386. 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

Associate Professors: Nelson, Nichols, Schmitz, Uline, Zuelke

Assistant Professors: Bogan, Chaney, Elmore, Jackson, Stinson, Yunker, 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. (Formerly ESE 431) Junior level.
- 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.* (Formerly ESE 382)
- 420. **Teaching Mathematics (3).** Materials and methods of teaching mathematics at the secondary level.
- 421. **Teaching Social Science (3).** Materials and methods of teaching the history and social sciences at the secondary level.
- 422. **Teaching Language Arts (3).** Materials and methods of teaching the language arts at the secondary level.
- 423. **Secondary School Science (3).** Materials and methods of teaching the natural and physical sciences at the secondary level.
- 424. **Foreign Language Methods (3).** Material and methods of teaching foreign language at the secondary level.
- 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 or 487, senior internship.*
- 484. **Practicum. (3).** A 100-clock-hour clinical experience in a secondary school. *Corequisites: ESE 404 and EPY 442.*
- 486. **Internship in Grades 7-12 (3).** Supervised teaching in grades 7-12. Degree students are required to take a 12-hour internship. Consult an academic adviser about scheduling. *Prerequisite: Approval for Professional semester.*
- 487. **Internship in Grades N-12 (3).** Supervised teaching in grades N-12. Degree students are required to take a 12-hour internship. Consult an academic adviser about scheduling.

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 (2).** Learning principles and theories; observing and understanding students' behavior from humanistic, reinforcement, psychoanalytic and developmental view points; and classroom management skills. Junior level.
429. **Developmental Psychology (3).** (Jr. or Sr. standing) This course stresses the following areas of development in the school age person: intellectual, emotional, social, physical, and moral.
- 429L. **Developmental Psychology Laboratory.** Taken in conjunction with EPY 429 lecture; two hours of lab per week for five weeks.
431. **Adolescent Psychology (3).** 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.
311. **Academic Technology (3).** Examination and application of technology in the information age classroom. (Not open to those with credit for EIM 201 or 410)
312. **Children's Literature (3).** Evaluation of books for children, selection criteria, reading guidance, and the interests, needs, and abilities of children emphasized. (Formerly EIM 211)
410. **The Information Age Classroom (2).** The benefits, application, and production of advanced academic technology to the information age classroom. (Not open to those with credit for EIM 201 or 311)
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 EIM 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 | 1 | BY 104*, Bio Lab | 1 |
| | | PE 109* | 3 |
| | 16 | | 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* | 3 | Teaching Field/Electives | 9 |
| | 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 410, Info. Age Class | 2 |
| ESE 331, Sch. & Society | 3 | | 17 |
| | 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 ... | 3 | | |
| Teaching Field/Electives | 6 | | |
| EPY 442, Ed Measurement | 3 | | |
| | 20 | | |

TOTAL HOURS: 137

**DEPARTMENT OF HEALTH, PHYSICAL EDUCATION,
AND RECREATION****309 MATHEWS COLISEUM**

Gillam: Department Head
Professors: Akers, Gillam, Harris, Pope,
Reynolds, Roswal
Associate Professor: Hammett
Assistant Professor: Croom
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, 415, 460, 488, 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 for 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 (2).** An introduction to the profession including physical activities, professional organizations, career opportunities, historical development, and development of a sound professional philosophy. Practicum required.

300. **Practicum in Physical Education (3).** *Prerequisite:* Nine hours in physical education including PE 101. Directed experience in 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, cannot be used to satisfy HPER requirement.

132. **Folk/Square Dance (1).** Basic skills in folk and square dancing. Elective credit only, cannot be used to satisfy HPER requirement.
134. **Social/Ballroom Dance (1).** Basic skills in social and ballroom dancing. Elective credit only, cannot be used to satisfy HPER requirement.
140. **Alpine Skiing (1).** Basic skills in alpine skiing. Six hours of dry-land instruction and three days (20 hours) of on-snow instruction. Students pay all expenses.
141. **Alpine Skiing II (1).** *Prerequisite: PE 140 or permission of instructor.* Advanced skills in alpine skiing. Four hours dry-land instruction, three days (20 hours) on-snow instruction. Students pay all expenses.
150. **Beginning Swimming (1).** The adaptation of the water and basic strokes of swimming. Non-swimmers only.
151. **Aqua Aerobics (3).** Low impact exercises performed in the medium of water.
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 (2).** *Prerequisite:* BY 263. A science of human motion, and analysis of body movements and action of muscles in human activities.
- 400. **Exercise Physiology (3).** *Prerequisite:* BY 263. The study of the effects of exercise on the various human physiological systems. Special attention will be given to energy metabolism, cardiovascular parameters, pulmonary function, neuromuscular integration, and environmental factors.

- 405. **Scientific Principles of Conditioning (3).** *Prerequisite:* Junior standing. Application of scientific principles to the training and conditioning of athletics. Emphasis will be directed toward strength, endurance, and speed acquisition, ergogenic aids, and nutrition.
- 415. **Biomechanics (2).** *Prerequisite:* PE 362. A study of human movement with emphasis on biomechanical principles and their application to sport and exercise.
- 440. **Fitness Testing (3).** *Prerequisites:* PE 362, 400. Detailed analysis of different fitness tests. Particular attention to cardiovascular tests. Interpretation of results and prescription of exercise and activities.
- 441. **Design of Wellness Programs (3).** *Prerequisites:* PE 362, 400. Study of the different areas of health promotion such as smoking cessation, nutrition, stress awareness, environmental sensitivity and different kinds of fitness programs.
- 460. **Motor Development (2).** 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 (2).** This course is designed for in-depth study of emergency medical treatment in case of accidents or serious illness. The study of body functions, body framework and all types of injuries are considered.
- 312. **Health Problems (3).** An overview of health problems confronting 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.
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 |

SOPHOMORE YEAR

| Fall | | Spring | |
|------------------------|----|----------------------------|----|
| Literature* | 3 | Literature* | 3 |
| PE 205-230 | 3 | Social/Behavioral Science* | 3 |
| MS 102*, Alg | 3 | MS 104, Finite Math | 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 381, Adapted P.E. | 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 | | |
| EPY 429, Dev Psychology | 3 | | 16 |
| | 15 | | |

TOTAL HOURS: 128

*See Core Curriculum

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 |
| | 16 | | 15 |

SOPHOMORE YEAR

| Fall | | Spring | |
|----------------------------|----|----------------------------|----|
| Literature* | 3 | Literature* | 3 |
| Social/Behavioral Science* | 3 | Social/Behavioral Science* | 3 |
| MS 102*, Alg | 3 | MS 104, Finite | 3 |
| Fine Arts Elective* | 3 | Approved Elective/Minor | 4 |
| Approved Elective/Minor | 3 | HLT 232, Emer Med Service | 2 |
| REC 271 | 3 | CS 201, Intro to D.P. | 3 |
| | 18 | | 18 |

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 204, Basic Stat. | 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 | 3 | | |
| | <u>17</u> | | <u>18</u> |

JUNIOR YEAR

| Fall | | Spring | |
|-------------------------------|-----------|--------------------------------|-----------|
| BY 263 | 3 | PE 362, Kinesiology | 2 |
| MGT 301, Prin | 3 | PE 400, Ex Phy | 3 |
| HLT 312, Health Prob | 3 | Minor/Approved Elective | 6 |
| Minor/Approved Elective | 7 | PE 460, Motor Dev | 2 |
| | <u>16</u> | PE, HLT, or REC Elective | 3 |
| | | | <u>16</u> |

SENIOR YEAR

| Fall | | Spring | |
|----------------------------------|---|-------------------------------|----|
| PE 405 | 3 | Minor/Approved Elective | 9 |
| PE 415, Biomechanics | 2 | PE 465, Practicum | 6 |
| PE 440, Fitness Testing | 3 | | |
| PE 441, Design of WEL Prog | 3 | | 15 |
| Minor/Approved Elective | 3 | | |
| <hr/> | | | |
| 14 | | | |

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 |
| <hr/> | | FCS 131 Clothing Const | 3 |
| 15 | | FCS 100, Intro. FCS | 1 |

SOPHOMORE YEAR

| Fall | | Spring | |
|----------------------------|-------------|-----------------------------------|-------------|
| CS 201, Intro to D.P. | 3 | Literature* | 3 |
| Literature* | 3 | Natural Science* | 4-5 |
| Natural Science* | 4-5 | FCS 221, Meal Mgt. | 3 |
| SY 221, Intro to Soc | 3 | FCS 215, Intro to Nutrition | 3 |
| FCS 232, Textiles | 3 | Fine Arts Elective | 3 |
| | <hr/> 16-17 | | <hr/> 16-17 |

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, Mgt. of Fam. Res. | 3 |
| SPE 300 | 3 | FIN 311, Person Finance | 3 |
| | <hr/> 17 | Science* | 3 |
| | | | <hr/> 18 |

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 | |
| HED 461, Home Ec. Ed | 3 | Mgt. | 3 |
| EIM 410, Info. Age Class. | 2 | | <hr/> 16 |
| | <hr/> 17 | | |

TOTAL HOURS: 133-135

*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 | 3 | FCS 331, Fash Fund and Merch | 3 |
| | <hr/> 16-17 | PSY 201, Prin | 3 |
| | | | <hr/> 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 | 3 |
| SY 221, Intro to Soc | 3 | | |
| | 18 | | 15 |

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 378, Cons. Behav. | 3 |
| MGT 305, Prin | 3 | | |
| | 18 | | 15 |

SENIOR YEAR

| Fall | | Spring | |
|--------------------------------|----|------------------------------|----|
| FCS 300, Prof Deve | 1 | FCS 430 | 3 |
| FCS 334 or 431 | 1 | Electives 300+ | 6 |
| or 433 or 434 | 3 | FCS Approved electives | 3 |
| FCS 335, Display | 3 | | |
| FCS 432, Hist of Fashion | 3 | | 12 |
| MKT 377, Advert. | 3 | | |
| MKT 394, Retailing | 3 | | |
| | 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 | 3 | EC 222, Economics | 3 |
| BY 101, 103 | 4 | FCS 221, Meal Mgt | 3 |
| | 17 | | 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. | 3 |
| SY 221, Intro to Soc | 3 | | 16 |
| | 16 | | |

JUNIOR YEAR

| Fall | | Spring | |
|-----------------------------------|----|------------------------------------|----|
| Fine Arts Elective | 3 | BY 263, Human Anatomy & Phys. I .. | 3 |
| FCS 311, Intro to Diet | 3 | SY 304, Social Stat | 3 |
| FCS 324, Adv Nut | 3 | FCS 300, Prof Dev | 1 |
| FCS 325, Qnty Food Prod | 3 | FCS 326 | 3 |
| HED 461, Home Ec Ed | 3 | FCS 338, Com Nut | 3 |
| FCS 301, Car. Path. in Diet | 1 | FCS Elective 300+ | 3 |
| | 16 | | 16 |

SENIOR YEAR

| Fall | | Spring | |
|-------------------------------------|----|---------------------------------|----|
| FCS Elective 300+ | 3 | FCS Elective 300+ | 3 |
| MGT 305, 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 | 3 | ACC 200 and 200L | 4 |
| | 15 | | 16 |

TOTAL HOURS: 129

*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 | 3 | FCS 221, Meal Mgt | 3 |
| | <u>16</u> | | <u>15</u> |

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 | 3 | FCS 341, Household Equip | 3 |
| | <u>18</u> | | <u>18</u> |

JUNIOR YEAR

| Fall | | Spring | |
|--------------------------------|-----------|-----------------------|-----------|
| MGT 305, Mgt. & Org. Beh. | 3 | FCS 326 | 3 |
| ACC 200 and 200L | 4 | CY 101, Fund | 3 |
| BY 283, Micro | 3 | MGT 386, Superv. | 3 |
| FCS 325, Qnty Food Prep | 3 | ACC 210 | 3 |
| Elective | 3 | Elective | 3 |
| | <u>16</u> | | <u>15</u> |

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 |
| MKT 301, Prin. | 3 | FCS 425, Practicum | 6 |
| MGT 385 | 3 | | |
| Elective | 2 | | <u>13</u> |
| | <u>17</u> | | |

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 (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 Life Education (3).** A study of family relations and the skills needed to function within the family setting. Emphasis on interpersonal communication, conflict resolution, and parenting.
360. **Issues in Human Development (3).** Current topics in the areas of child and/or family development.

CLOTHING AND TEXTILES (FCS)

131. **Clothing Construction (3).** Personal appearance, selection, and care of clothing and textiles. Fundamentals of clothing construction, pattern selection, and fit. Application of fundamentals through garment construction. Lab fee.
232. **Textiles (3).** Textile fabrics, their composition, structure and use along with weaves, finishes and care. Natural and manmade fibers used in clothing. Lab fee. Usually taught in the Fall.
330. **Braids, Trims, and Stitchery (3).** *Prerequisite: FCS 131.* Three lecture periods. The use of individuality in creating unusual trims and accessories for dress. Lab fee.
331. **Fashion Fundamentals and Merchandising (3).** Organization and structure of the fashion industry with emphasis on retailing, sources of information, and fashion trends.
332. **Problems in Merchandising (3).** *Prerequisite: FCS 131.* Problems and issues affecting buyers and consumers in selection, purchase, use and care of textiles and non-textile merchandise.
333. **Family Clothing (3).** *Prerequisite: FCS 131.* One lecture period and four laboratory periods. Planning, selection, purchasing and care of family clothing. Emphasis on construction of children's clothing. Lab fee.
334. **Flat Pattern Design (3).** *Prerequisite: FCS 131.* Application of fundamental principles and procedures in the development and use of the master pattern. Applying flat pattern principles to designing patterns, fitting and altering commercial patterns. Lab fee.
335. **Display (3).** *Prerequisite: ART 233.* Three lecture periods. Design principles applied to various display needs. Investigation and practical experience in planning, executing, and evaluation of 2-D and 3-D displays for commercial, educational, and other needs. Lab fee.
430. **Senior Experiences in Fashion Merchandising (3).** *Prerequisite: Senior status and approval of instructor.* Field experiences in merchandising.
431. **Tailoring (3).** *Prerequisite: FCS 131.* One lecture period and four laboratory periods. Problems of construction involving professional techniques in tailoring. Lab fee.
432. **History of Fashion (3).** The development of fashion throughout history, with an investigation of the influence of sociological, psychological, economic and cultural factors.
433. **Advanced Tailoring (3).** *Prerequisite: FCS 131.* One lecture period and four laboratory periods. Principles of tailoring applied to the construction of men's clothing. Lab fee.
434. **Draping and Costume Design (3).** *Prerequisites: FCS 131 and 334.* One lecture period and four laboratory periods. Designing and draping original costumes; emphasis on distinctive effects related to personality, figure, coloring and fabric characteristics. Lab fee.

472. **Creative Expressions in Home Furnishings (3).** *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.
301. **Career Paths in Dietetics (1).** *Prerequisite:* Jr. Standing. A survey of the career paths in dietetics and the process for entering the field.
311. **Introduction to Dietetics (3).** *Prerequisites:* FCS 322, CY 164, and BY 262. An introduction to the professional and practice of dietetics. Usually taught in the Fall.
322. **Normal Nutrition (3).** *Prerequisite:* Chemistry 105. Three one-hour lecture periods. Application of fundamentals of human nutrition including various nutrients and requirements for different stress groups.
323. **Experimental Food Cookery (3).** *Prerequisite:* FCS 122. Two lectures and one laboratory period. The advanced study of food including the physical and chemical properties of food and factors affecting the quality of standard food products. Lab fee. Usually taught in the Fall.
324. **Advanced Nutrition (3).** *Prerequisites:* FCS 322, CY 164, and BY 262. Three lecture periods. Normal nutrition metabolism and an overview of aberrations in normal metabolism as affected by diseases. An introduction to diet therapy principles and drug-nutrient interactions. Usually taught in the Fall.
325. **Quantity Food Production (3).** *Prerequisite:* FCS 323. Two lectures and one laboratory period. Introduction to institutional preparation and service of food, equipment operation and maintenance, menu planning and recipe standardization. Lab fee. Usually taught in the Fall.
326. **Foodservice Systems Management (3).** *Prerequisite:* FCS 325. One lecture period and two laboratory periods. An introduction to the systems approach of organizational structure and relationships using meal preparation for demonstration of the approach. Includes safety and sanitation. Usually taught in Spring. Lab Fee.
338. **Community Nutrition (3).** *Prerequisite:* FCS 315 or 322. Application of community nutrition strategies to health care problems and exploration of approaches useful in the design and evaluation of these programs.
420. **Diet and Disease I (3).** *Prerequisite:* FCS 322. Counseling and coordinated nutritional services for clients, adaptation of the normal diet for texture, energy, carbohydrate, protein, and lipids.
421. **Diet and Disease II (3).** *Prerequisite:* FCS 420. A continuation of Diet and Disease I. Modification of the normal diet in diseases of the hepatobiliary systems, kidney, and other dietary modifications. Usually taught in the Spring.
422. **Foodservice Management I (3).** *Prerequisite:* FCS 122. Three lecture periods. Management techniques and functions in foodservice with emphasis on personnel management. Usually taught in the Fall.

- 424. **Foodservice Management II (3).** *Prerequisite:* FCS 422. Three lecture periods. Methods of analysis for required materials and personnel in foodservice and equipment selection. Effective use of personnel as a resource. Usually taught in the Spring.
- 425. **Practicum in Foodservice Management (3).** *Prerequisite:* Approval of instructor. 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)

- 100. **Introduction to Family and Consumer Sciences (1).** The philosophical base of family and consumer sciences and issues affecting the profession. Survey of specialty fields and professional practices. Usually offered in the Spring. (Formerly FCS 300).
- 341. **Household Equipment (3).** Three lecture periods. Correlates the study of the best use of family resources of time, money and energy with the study of materials, construction, operation, installation, cost and use of household equipment. Lab fee. Usually taught in the Spring.
- 371. **Management of Family Resources.** *Prerequisite:* Junior standing. Focuses on the practical application of management principles for use of resources to maximize individual and family quality of life.
- 471. **Family Housing (3).** An overview of present-day family housing needs including location, space needs, house construction and selection, alternative housing, and home furnishings.

COLLEGE OF LETTERS AND SCIENCES

J. E. Wade: Dean

DEPARTMENT OF BIOLOGY (BY)

108 AYERS HALL

William Bowen: Department Head

Professors: Benton, Bowen, Debro,

Olander, Romano, Seagle, Whetstone

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

McGarey, Sauterer

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 ¹ |

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:

Minor in Biology

A minor in Biology comprises a minimum of 24 hours that shall include BY 101, 102, 103, 104, 322, 332, 373 and 7 additional hours of approved biology courses at or above the 300 level. A minor in Biology may not be taken in conjunction with a major in Biology.

Minor in Special Studies

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

¹Transfer students may complete this requirement by completing the two (2) course chemistry laboratory sequence totaling a minimum of 6.67 semester hours [10 quarter hours].

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 263, 264 or equivalent and CY 164. The physiology of disordered function. No credit allowed toward biology major or minor requirements.
370. **Intro Research Biology (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, and 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; either BY 322, 332, or 373; and permission of instructor required. The student will spend a minimum of 25 hours gaining practical experience at a public or private institution or business. (Grade of Pass or Fail only).
398. **Biology Internship (1).** *Prerequisites:* BY 101, 102, 103, 104; either BY 322, 332, or 373; and permission of instructor required. The student will spend a minimum of 25 hours gaining practical experience at a public or private institution or business. (Grade of Pass or Fail only).
399. **Biology Internship (1).** *Prerequisites:* BY 101, 102, 103, 104; either BY 322, 332, or 373; and permission of instructor required. The student will spend a minimum of 25 hours gaining practical experience at a public or private institution or business. (Grade of Pass or Fail only).

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; either BY 322, 332, or 373; and permission of instructor. The organization and implementation of laboratories including use of appropriate equipment, care of instructional materials, etc. Credit allowed for biology majors only and may be taken one time only. (Grade of Pass or Fail only).
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.
446. **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 Sea Lab located on Dauphin Island, Alabama: GY 329 Coastal Climatology, GL 390 Marine Geology, GL 450 Recent Marine Sedimentation, GL 445 Marine Paleoecology.

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 |
| <hr/> | | <hr/> | |
| 16 | | 15 | |

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 |
| <hr/> | | Wellness** | 3 |
| 16 | | <hr/> | |
| | | 16 | |

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 | <hr/> | |
| <hr/> | | 17 | |
| 16 | | | |

SENIOR YEAR

| Fall | | Spring | |
|-------------------------|----|-------------------------|----|
| BY 480 or 481 | 1 | Electives 300/400 | 10 |
| BY Elective | 3 | Minor | 6 |
| Minor | 6 | | |
| Electives 300/400 | 6 | | 16 |
| | 16 | | |

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, Whitton****Associate Professors: Gates, Hug****Assistant Professors: Davis, Di Biase, Prentiss****Instructors: Christopher, Cuff, Emlich, Horton, Kinney,****Methvin, Prickett, Smart, 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 EH 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 EH 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 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 EH 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 EH 101, 102, 201 or 319, 202 or 320, 301, 302, 321, 346, 347, 403 or 404, and 9 hours of EH electives. Also required are Drama 242 and 241 or 284 and Journalism 303 or 304.

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

DESCRIPTION OF COURSES

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

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

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

098. **Basic English Skills (3).** A study of basic English grammar and writing skills. **Note: Grades for EH 98: A, B, C, NC.** Institutional credit only. See section on institutional credit. Not open to students who have completed EH 101. (Offered Fall and Spring only.)
099. **Review of Writing Skills (1).** A review of writing skills for students who have had difficulty with, or feel apprehensive about, the English Competency Examination. Institutional credit only. See section on institutional credit. (Offered Fall and Spring only.) **Grades for EH 99: A, B, C, NC.**
- 101, 102. **English Composition (3) (3).** Two semesters. *Prerequisite to all other English courses except 141.* Spelling, grammar, punctuation, vocabulary, and the strategies of effective writing. Introduction to literature. In 102: a research paper. **Note: Grades for EH 101: A, B, C, NC. EH 102 prerequisite—successful completion of EH 101.** (Offered Fall and Spring 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 EH 201, 202 or 301, 302 or 319, 320 will be prerequisite for all advanced EH courses except EH 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 1940s 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. 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).** *Prerequisites:* Completion of EH 101, 102 and 141, Major in SPE, EEd., or ECE. Emphasis on writing and on oral presentation skills. Grades for EH 348: A, B, C, NC.
- 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: 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, 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:* EH 101, 102, and 344. Refining skills and knowledge acquired in 101, 102, 344, and requiring expository/argumentative essays representative of excellent rhetoric. (Offered Spring only.)
420. **Women's Literature (3).** Six centuries of representative literature by women. Emphasis on recent British and American, including ethnic-American, authors. Discussion of women writers in relation to the 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, 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 101 | 3 | EH 102 | 3 |
| HY* | 3 | EH 141 | 2 |
| Natural Science* | 4 | HY* | 3 |
| Social/Behavioral Science* | 3 | Natural Science* | 4 |
| FL 101 | 3 | FL 102 | 3 |
| <hr/> | | <hr/> | |
| 16 | | 15 | |

SOPHOMORE YEAR

| Fall | | Spring | |
|----------------------------------|-----|--------------------|-----|
| EH 201* | 3 | EH 202* | 3 |
| Analysis* | 3-5 | Analysis* | 3-5 |
| Social/Behavioral Science* | 3 | Wellness* | 3 |
| EH Electives | 3 | EH Electives | 3 |
| FL 201 | 3 | FL 202 | 3 |
| <hr/> | | <hr/> | |
| 15-17 | | 15-17 | |

JUNIOR YEAR

| Fall | | Spring | |
|---------------------------|---|-----------------------------|---|
| Fine Arts Elective* | 3 | EH 302 | 3 |
| EH 301 | 3 | EH 403/404 | 3 |
| EH Electives 300 + | 6 | EH Elective 300 + | 3 |
| Minor/Electives | 6 | Minor/Electives 300 + | 6 |
| <hr/> | | Computer Literacy* | 3 |
| 18 | | <hr/> | |
| | | 18 | |

SENIOR YEAR

| Fall | | Spring | |
|-----------------------------|---|-----------------------------|---|
| EH Electives 300 + | 9 | EH Electives 300 + | 9 |
| Minor/Electives 300 + | 9 | Minor/Electives 300 + | 6 |
| <hr/> | | <hr/> | |
| 18 | | 15 | |

TOTAL HOURS: 130-134

*See Core Curriculum

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

DEPARTMENT OF FOREIGN LANGUAGES (FL)

118 STONE CENTER

V. Bennett: Department Head**Professor: Bennett****Associate Professor: Koss****Assistant Professor: 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 may 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.
313. **Basic Business Communications (3).** Practice in written communications in all types of business situations for those specializing in areas where the language is French.
320. **French Conversation (3).** Intensive practice in conversation.
321. **French Civilization (3).** Culture, history, and geography of France.
322. **Francophone Culture (3).** *No prerequisite.* Introduction to and examination of the culture of various French-speaking countries and regions outside France. Taught in English.
416. **Seventeenth-Century French Literature (3).** Readings and analysis of representative plays of Corneille, Racine, and Moliere.
420. **Eighteenth-Century French Literature (3).** Literary, social, and political trends; introduction to Montesquieu, Diderot, Voltaire, Rousseau, and others.
- 430, 431. **Nineteenth-Century French Literature (3) (3).** Two semesters. First Semester: Representative works of Stendhal, Hugo, Sand, Balzac, Flaubert, Maupassant, Zola, and others to be read and analyzed. Second Semester: Nineteenth-Century French Literature: poetry and drama.
- 440, 441. **Twentieth-Century French Literature (3) (3).** Two semesters. First Semester: Representative works of Proust, Colette, Gide, Mauriac, Malraux, Giono, Sartre, Camus and others to be read and analyzed. Second Semester: Twentieth-Century French Literature: poetry and drama.

*FH 322 has no prerequisite.

GERMAN (GN)

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

Prerequisite for the following: German 202 or the equivalent.

- 303, 304. **Survey of Literature (3) (3).** Two semesters. Representative German writers in the major periods of their nation's cultural development from its origin to modern times.
310. **Advanced Grammar and Composition (3).** A comprehensive study of German style, syntax, and principles expected of the advanced student.
313. **Basic Business Communications (3).** Practice in written communications in all types of business situations for those specializing in areas where the language is German.
320. **German Conversation (3).** Development and refinement of oral-aural skills based on contemporary materials and interests.
321. **German Civilization (3).** Evolution of the culture, history, and geography of Germany and her Germanic neighbors.
404. **Romanticism (3).** The works of Tieck, Kleist, Schlegel, Novalis, and others of the German Romantic Period.

- 406. **German Poetry (3).** Representative poetry from major periods—from the Minnesang to the present.
- 408. **Age of Goethe (3).** Reading and analysis of short representative works by Goethe, Schiller, Lessing and a number of their contemporaries.
- 409. **Nineteenth-Century Drama (3).** Reading and analysis of representative 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.
- 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* | 3 | EH Comp 102* | 3 |
| | <hr/> 16 | | <hr/> 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 | 3 |
| EH Elective* | 3 | | |
| | <hr/> 15-17 | | <hr/> 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* | 3 | Individ. Study 300+ (FH, GN, SH) | 3 |
| | <hr/> 15 | | <hr/> 18 |

SENIOR YEAR

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

TOTAL HOURS: 130-134

DEPARTMENT OF GEOGRAPHY (GY) and ANTHROPOLOGY (AN)**237 MARTIN HALL****Johnson: Department Head****Professors: Baucom, Holstein, Johnson, Klimasewski, Sewastynowicz****Assistant Professor: 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 for further information.

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 are 33 hours consisting of a core of 21 hours plus 12 hours of upper division electives. Students must take the following core courses: GY 202, 208, 220 or 241, 240 and 245 or GL 241 and 243, GY 307, 315, 316, 317, 490. *Majors must also take LS 320—Employability Skills (1).* GY 401, 402, 403, 404, 405, 480 and 481 cannot be used to meet the 12 hour requirement for upper division electives in geography. They can be used as general upper division electives toward graduation.

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

PHYSICAL GEOGRAPHY MINOR. A minor in Physical Geography requires a minimum of twenty (20) semester hours and must include GY 208. In addition eight (8) hours must be chosen from the following: GY 240 and 245, GL 241 and 243, GL 242 and 244; and nine (9) hours from GY 307, 331, 333, 344, 387, 388, 389, 430, 431, 432.

CULTURAL GEOGRAPHY MINOR. A minor in Cultural Geography requires a minimum of eighteen (18) semester hours and must include GY 120 and 220. In addition twelve (12) hours must be chosen from the following: GY 320, 344, 351, 352, 353, 387, 388, 389, 422, 426.

DESCRIPTION OF COURSES**GEOGRAPHY (GY)**

120. **World Regional Geography (3).** This course examines major world regions, each the unique result of interaction between an environmental setting and human social and economic activity.
202. **Geographic Thought (1).** The development of geographic theory and methodology, with stress upon its relevance to current work in the discipline.
208. **Map Reading (3).** Two hours lecture, two hours lab. An introduction to basic map reading and analysis, involving symbol identification, location finding, and direction and distance measuring. Emphasis is upon using the topographic map.
220. **Cultural Geography (3).** The study of social and cultural patterns, emphasizing the arrangement and diversity of economic, social, political, religious and demographic culture traits.

240. **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).
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.
245. **Physical Geography Lab (1).** One two-hour lab per week. Experiments focus on weather, energy and moisture budgets, and climatic classification. Should be taken concurrently with GY 240.
302. **Remote Sensing (3).** *Prerequisite:* GY 208. A general introduction to the principles and applications of remote sensing with an emphasis on aerial photography.
307. **Geographic Information Sys (3).** *Prerequisite:* GY 208. Introduction to the cartographic acquisition, processing, management, manipulation, analysis and generation of spatial digital data in a Geographic Information System.
308. **Cartography: Map Design (3).** *Prerequisite:* GY 208. Two hours of lecture, two hours of lab. Introduction to computer-assisted map making, emphasizing principles of map design.
315. **Research Methods (2).** *Prerequisites:* EH 101 and 102; GY 240, 245 and 112 or GL 241, 243, and GY 220 or 241. Design and preparation of a geographic research proposal, with emphasis on writing and analysis. To be taken concurrently with GY 316 and GY 317.
316. **Quantitative Methods (2).** Survey of the basic quantitative techniques used in analyzing geographic problems. To be taken concurrently with GY 315 and GY 317.
317. **Basic Mapping (2).** *Prerequisite:* GY 208. An introduction to map compilation and layout and to computer-assisted map production. To be taken concurrently with GY 315 and GY 316.
320. **Political Geography (3).** A study of the spatial aspects of political phenomena from the international to the local scale. Suggested background: Geography 220.
331. **Climatology (3).** *Prerequisite:* GY 240. A study of climates, how they are classified, and their effect upon human activity.
333. **Meteorology (3).** *Prerequisite:* GY 240. The study of weather types and their causes, weather instrumentation, the construction and interpretation of weather maps, analog and synoptic forecasting and weather modification.
344. **Environmental Conservation (3).** An examination of the nature, availability and distribution of those resources upon which we depend for our lives and lifestyles.
- 351, 352, 353. **Advanced Regional Study (3) (3) (3).** Examination of the interrelations among various physical and cultural elements that make regions of the world distinctive. Regional focus varies. See instructor.
- 387, 388, 389. **Study Tour (3) (3) (3).** Excursions to selected regions of North America. Readings, examinations and a trip journal are required. See instructor for further information. *Permission of instructor required.* NOTE: Only three credits may be applied toward a Geography major or minor.
- 401, 402. **Practicum in Geography (3) (3).** This course provides opportunity to gain on-the-job experience with a firm or government agency. *Consent of instructor required.* Pass/fail grade only.
- 403, 404, 405. **Independent Study (1) (1) (1).** This course gives the advanced student opportunity to pursue directed research. *Consent of instructor required.* Pass/fail grade only.
422. **Geographic Views of History (3).** Use of the geographic perspective to examine facets of World, United States and Alabama history.

426. **Regions: Concepts and Methods (3).** Coastal plains and Biblebelts: what are regions, how are they created, how are they used to study the physical and cultural environment?
- 430, 431, 432. **Topics in Physical Geography (3) (3) (3).** Advanced geographic study of various facets of the natural environment. Topic selection varies. See instructor.
- 450, 451, 452. **Advanced Cartography/GIS (3) (3) (3).** Advanced training in selected geographic techniques. Topic selection varies. See instructor.
- 480, 481. **Geography Laboratory Practicum (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.*
490. **Colloquium (1).** Results of a basic research project in geography are presented in written and oral form. *Permission of instructor.*

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 240, Physical Geography | 3 |
| AN 224, Intro to Anth | 3 | GL 245, Geography Lab | 1 |
| | <hr/> 16 | | <hr/> 15 |

SOPHOMORE YEAR

| Fall | | Spring | |
|---------------------------------|----------|------------------------------|----------|
| Literature* | 3 | Literature* | 3 |
| Fine Arts Elective* | 3 | Wellness* | 3 |
| GY 120, World Regional Gy | 3 | GY Cultural/Economic | 3 |
| GY 208, Map Reading | 3 | GY 202, GY Thought | 1 |
| Minor/Electives | 6 | CS 201*, Intro. to D.P. | 3 |
| | <hr/> 18 | Minor/Electives | 3 |
| | | | <hr/> 16 |

JUNIOR YEAR

| Fall | | Spring | |
|--------------------------------|----------|-----------------------------|----------|
| GY 307 | 3 | GY 300 + | 6 |
| GY 300 + | 3 | Minor/Electives 300 + | 10 |
| GY 315, Research Methods | 2 | | <hr/> 16 |
| GY 316, Research Methods | 2 | | |
| GY 317, Research Methods | 2 | | |
| Minor/Electives | 3 | | |
| LS 320 | 1 | | |
| | <hr/> 16 | | |

SENIOR YEAR

| Fall | | Spring | |
|-----------------------------|----|-----------------------------|----|
| GY 300 + | 3 | GY Electives 300 + | 3 |
| Minor/Electives 300 + | 13 | Minor/Electives 300 + | 12 |
| | 16 | GY 490 | 1 |
| | | | 16 |

TOTAL HOURS: 129

*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. **North American Indians (3).** Uses archaeological and ethnographic data to describe the diversity and ingenuity of traditional North American Indian societies and their contributions to contemporary American culture.
349. **Latin American Indians (3).** Surveys the growth and development of Indian cultures in Mexico, Central America and South America from prehistoric times to the present.
350. **Physical Anthropology (3).** An examination of human origins covering evolutionary theory, the fossil record of human ancestry, primatology, genetics, and other topics pertaining to human biology.
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. NOTE: Only three credits may be applied toward an Anthropology minor.
- 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.
- 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.

MARINE SCIENCE

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

COURSE DESCRIPTIONS

329. **Coastal Climatology (2).** Introduction to physical factors resulting in climatic conditions of coastal regions, emphasis on the northern Gulf of Mexico.
390. **Marine Geology (4).** A study of the geology of the ocean basins, with special emphasis on the continental shelves, their sediments and the sedimentary processes at work there. *Prerequisite:* Geology 241 or consent of instructor.
445. **Marine Paleoecology (4).** *Prerequisite:* Consent of instructor. Survey of paleoecology/paleogeography of principle marine fossil groups of Gulf Coastal Plain sediments.
450. **Recent Marine Sedimentation (4).** Study of properties of marine sediments, coastal sedimentary environments, continental margin sediments, reef and associated sediments, deep sea sediments and marine geophysics. Emphasis in the field on the erosional and depositional effects of waves and currents. *Prerequisites:* Geology 390, Biology 416, or consent of instructor.

DEPARTMENT OF HISTORY (HY)

317 STONE CENTER

Jackson: Department Head

Professors: Caldwell, Childress, Hollis, Jackson,
Koerper, Robinson, Taylor, Wade

Assistant Professor: Gamble, Lemmons, 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, Latin American or Asian history numbered 300 or above. Students are also required to complete twelve hours in a foreign language. 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, Latin American 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.* A survey of Far Eastern history with special emphasis upon China, Japan, and the impact of western influence in Modern Times.
332. **Russian History through the Revolutions of 1917 (3).** *Prerequisites: History 101, 102.* The political, social, and intellectual developments of Russia from the early migrations and consolidation of Muscovy through the fall of the House of Romanov.

333. **Russian History from 1855 to the Present (3).** *Prerequisites:* History 101, 102. A survey of the history of Russia focusing on the rise of radical activity that led to the Revolution of 1917, the creation, evolution and collapse of the Soviet Union, and Russia after communism.
395. **Europe in the Middle Ages 476-1300 (3).** *Prerequisites:* History 101, 102. Major political, intellectual, and cultural trends, with emphasis on ecclesiastical developments and the fathers of the church.
400. **Europe in the High Middle Ages: Renaissance and Reformation, 1300-1648 (3).** *Prerequisites:* History 101, 102. European society as seen through its philosophy, religion, literature, and politics.
404. **The Age of the Cold War: Europe, 1945-Present (3).** *Prerequisites:* History 101, 102. The Cold War and its impact on the internal reorganization of the European nations. (Offered every year)
405. **Environmental History of the U.S. (3).** *No prerequisite.* A historical investigation of human interaction with the environment in the United States from the pre-colonial era to the present.
406. **Internship in Museum Studies (3).** *Prerequisite:* *Permission of Instructor.* Working with local historical museums under the supervision of faculty, students will be introduced to the problems and possibilities of museum curatorship.
408. **Ancient History (3).** *Prerequisites:* History 101, 102. A survey of civilization in the near east and Europe from the invention of writing to the fall of the Roman Empire.
409. **Modern France (3).** *Prerequisites:* HY 101, 102. A survey of the development of the French nation-state from Louis XIV to the present.
410. **Modern Germany (3).** *Prerequisite:* HY 102. A survey of the development of Germany from the Peace of Westphalia to the collapse of the Third Reich.
411. **War and Peace in Modern Europe (3).** *Prerequisite:* HY 102. A survey of the diplomatic history of Europe from the Peace of Westphalia to the end of the Second World War.
433. **American Social and Cultural History to 1865 (3).** *Prerequisites:* History 201, 202. American society through its literature, religion, philosophy, and arts. Emphasis upon immigration strains, European cultural transfer, and environmental adaptations which have gone to form the American character. Wide opportunities for reading offered in religion, philosophy, literature, and the arts.
434. **American Social and Cultural History Since 1865 (3).** *Prerequisites:* History 201, 202, and 433 or consent of instructor. A continuation of History 433, this course will evaluate shifting immigration origins. Concentrated study will be given to the changing thought patterns which have resulted from Darwinism, the rise of Big Business, theories of the public interest, Pragmatism, and the emergence of the United States as a world power.
436. **History of American Women (3).** *Prerequisites:* History 201, 202. A survey of the history of women from the colonial period to the present with emphasis upon social, economic, political, and educational developments.
437. **Black America (3).** *Prerequisites:* History 201, 202. Blacks in the U.S. from colonial times to the present; events of the twentieth-century and the integral social relations between blacks and whites will be emphasized.
441. **The South Before 1860 (3).** *Prerequisites:* History 201, 202. The colonization and the economic, political, social, and cultural development of the Old South, and its part in building the nation.
442. **The South Since 1860 (3).** *Prerequisites:* History 201, 202, and 441 or consent of the instructor. The issues which led to secession; the War Between the States; the economic, political, and social results; recent tendencies and developments.

444. **History of Alabama (3).** *Prerequisites:* History 201, 202. Alabama from the era of settlement to the present time. Attention given to slavery, with its social, economic, and political implications; secession and war, the aftermath; rise of industry; education and literature; politics and recent tendencies. (Offered every year)
448. **The Westward Movement in American History (3).** *Prerequisites:* History 201, 202. Significance of the frontier in American History; colonization of successive geographic areas; the West in relation to tariff, public lands, currency and banking; and crisis resulting from expansion.
451. **History of Early America to 1783 (3).** *Prerequisites:* History 201, 202. European background to exploration; exploration and settlement; the Inter-Colonial Wars; the political, social, economic, and cultural developments within the colonies.
452. **The Age of Jefferson and Jackson, 1783 to 1850 (3).** *Prerequisites:* History 201, 202. The development of the American Republic from the end of the American Revolution until the Compromise of 1850, with special emphasis on the influence that Jefferson and Jackson had on the evolution of democratic attitudes and institutions.
453. **Sectional Conflict, Civil War, and Reconstruction, 1850-1877 (3).** *Prerequisites:* History 201, 202. The rise of opposition to slavery; the Decade of Crises; Civil War; political, social, economic, diplomatic, and military aspects of the conduct of the war. An examination of the various interpretations, regional and national, of the Reconstruction Period.
454. **The Beginning of Modern America, 1877-1914 (3).** *Prerequisites:* History 201, 202. A description and evaluation of the shift of the United States from an agrarian to an industrial nation; the heritage of Civil War and Reconstruction; the rise of the Great Moguls; mass production and technological change; the rise of labor union movements and organized farm protests; the Spanish-American War; and American involvement in World War I.
455. **The 1920s and the Great Depression (3).** *Prerequisites:* History 201, 202. A detailed study of American political, diplomatic, and cultural history from President Woodrow Wilson through Franklin D. Roosevelt.
456. **Contemporary America, 1945-Present (3).** *Prerequisites:* History 201, 202. A detailed study of American political, diplomatic, and cultural history since the end of the World War II. Part of this course will be devoted to the study of current events. (Offered every year)
465. **The British Empire and Commonwealth (3).** *Prerequisites:* History 101, 102. Growth and development of the British Empire, with emphasis on the factors leading to the Commonwealth of Nations. (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.

480. **Colonial Latin America (3).** *Prerequisite: History 101 or 201 or permission of instructor.* The interaction of Native American, European and African people in the Spanish and Portuguese empires of the Americas, concluding with the wars for independence.
481. **Modern Latin America (3).** *Prerequisite: History 102 or 202 or permission of instructor.* An examination of the political, economic, social and cultural developments of the diverse Latin American nations since 1821, against a backdrop of tradition, reform and revolution.

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 Elective | 3 |
| Natural Science/Analysis* | 3-5 | HY 102, Western Civ | 3 |
| Foreign Language 101 | 3 | Natural Science/Analysis* | 3-5 |
| | | Foreign Language 102 | 3 |
| | 15-17 | | 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+ | 15 | Minor/Electives 300+ | 12 |
| | 18 | | 15 |

TOTAL HOURS: 128-136

*See Core Curriculum

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

**McDade: Department Head
Instructor: Brown, Williams**

Learning Skills courses assist students in developing their basic academic skills, their reasoning and studying skills, and their career education skills. General, elective academic credit is awarded for successful completion of Learning Skills courses except LS 094, 095, 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. Not open for students with credit in MS 099, 101, and 102.
098. **Basic Algebra Skills (3).** Individualized instruction in beginning algebra skills. Placement in this course is determined by the Mathematics Placement Test/ACT. Not open to students with credit in MS 099/101 or MS 102. Institutional credit only. GRADES: A, B, C, NC.
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.*
210. **Resident Assistant Seminar (2).** Seminar for resident hall assistant providing experience in developing community, working with college students, and understanding the purpose and scope of residence halls.
- 301, 302, 303. **Academic Performance Management (1-3).** Realizing that fellow students can be effective teachers, the University offers negotiable academic credit to qualified students who serve as tutors in selected areas. *Permission of instructor is required.*
320. **Employability Skills (1).** Individualized instruction in the job search process, including cover letter and resume writing and interviewing.

**DEPARTMENT OF MATHEMATICAL COMPUTING AND
INFORMATION SCIENCES (MS) (CS)****323 MARTIN HALL/310 BIBB GRAVES HALL****McCormick: Department Head****Professors: Abercrombie, Horsfield, J. Smith, J. S. White, R. White****Associate Professors: Chao, Ford, Kelley****Assistant Professors: Barry, J. W. Dempsey, Francia, Shirey, E. Smith****Instructors: Bryan, 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 38 hours including CS 231, 232, 250, 310, 350, 411, 488, and 491. Of the remaining 11 hours of electives, 5 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, 333, 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**

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

| ACT (Standard) | ACT (Enhanced) | SAT | *Recentered SAT | Placement |
|-------------------|-------------------|---------|--------------------|---------------------|
| 0-3 | 0-9 | 200-250 | 200-260 | LS 097 |
| 4-12 | 10-16 | 260-340 | 270-390 | LS 098 |
| 13-17 | 17-19 | 350-430 | 400-470 | MS 099 |
| 18-25 | 20-26 | 440-550 | 480-560 | MS 102 |
| 26-27 | 27-29 | 560-620 | 570-620 | MS 102 or 103 |
| 28-36 | 30-36 | 630-800 | 630-800 | MS 102, 103, or 141 |

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

099. **Intermediate Algebra (3).** *Prerequisite:* LS 098 or placement determined by ACT/SAT. (Does not count toward core curriculum mathematics requirement. GRADES: A, B, C, NC. Institutional credit only.) Operations/properties of real numbers, exponents and complex numbers; factoring, solution/application of linear and quadratic equations; operations on polynomials and rational expressions. (Not open to students with credit in MS 102 or higher.)
102. **College Algebra (3).** *Prerequisite:* MS 099 or placement determined by ACT/SAT. First and second degree equations and inequalities; linear and quadratic functions and graphs; polynomial and rational functions; exponential and logarithmic functions; and systems of equations. (Included as part of core curriculum. Not open to students with credit in MS 103 or higher.)
103. **Plane Trigonometry (3).** *Prerequisites:* Plane geometry and either MS 102 or satisfactory score on ACT/SAT. Trigonometric functions and inverses, applications, graphs, identities and equations, laws of sines and cosines, vectors and complex numbers.
104. **Finite Mathematics (3).** *Prerequisite:* MS 102 or satisfactory score on ACT/SAT. 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. **Business Calculus (3).** *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 all B.S. in Education degrees whose teaching area is NOT Biology, General Science, or Mathematics.) Three-hours lecture and two-hours lab.

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

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 all B.S. in Education degrees whose teaching area is NOT Biology, General Science, or Mathematics.) 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 MS 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, indeterminant forms, improper integrals, 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. (Department credit not given for Mathematics majors and/or minors.) Lab fee.
241. **Calculus III (3).** *Prerequisite:* MS 142. Applications of integration, conic sections, polar coordinates, parametric equations, vectors in the plane and three-space, and infinite series.
242. **Calculus IV (3).** *Prerequisite:* MS 241. The calculus of multivariate functions and the calculus of vector-valued functions.
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 231 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:* MS 241. Numerical analysis and computing with emphasis on methods adaptable to electronic computing machinery. Lab fee.
311. **Field Experiences in Applied Mathematics (2).** *Prerequisite:* MS 141. Field trips are made to various research laboratories and business corporations to acquaint the student with modern industrial applications of mathematics.
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:* MS 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:* MS 241. Algebraic structures, rings, fields, and groups. The axiomatic approach.
352. **Linear Algebra (3).** *Prerequisite:* MS 241. Matrices, linear systems, vector spaces with emphasis on algebraic structures.
370. **Intermediate Analysis (3).** *Prerequisite:* MS 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:* MS 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:* MS 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:* MS 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 241. 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:* MS 405 or permission of the instructor. Fundamental operations with complex numbers, differentiation and integration theorems, mappings, series, and residues.
480. **Introductory Topology (3).** *Prerequisites:* MS 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:* MS 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 I | 3 | Social/Behavioral Science* | 3 |
| | <hr/> | MS 142, Cal II | 3 |
| | 15 | | <hr/> |

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 352, Linear Alg | 3 | MS 370, Intermediate Ana | 3 |
| MS 300 + | 3 | Minor/Electives | 6 |
| Minor/Electives | 12 | Minor/Electives 300 + | 6 |
| | 18 | | 15 |

SENIOR YEAR

| Fall | | Spring | |
|-----------------------|----|-----------------------|----|
| MS 400 + | 3 | MS 400 + | 3 |
| Minor/Electives 300 + | 15 | Minor/Electives 300 + | 15 |
| | 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.

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.
300. **Microcomputing (3).** *Prerequisite:* CS 232. Examination of micro-computers and their role in small to medium firms. Emphasis on applications, I/O operations and file handling in a laboratory environment. Lab Fee. Formerly CS 410.
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.
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 life cycle.
312. **Computer System Documentation (3).** *Prerequisite:* CS 310. Introduction to writing and evaluating effective computer system documentation. Emphasis on writing, analyzing and evaluating documentation. Lab fee.
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.
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:* 232. Introduction to the concepts, terminology and manipulative skills associated with combinatorial structures and logic. Sets and functions, partially ordered sets, trees and graphs, algorithms and induction. Boolean algebra and introduction to symbolic logic.
350. **Fundamentals of Computer Operating Systems (3).** *Prerequisite:* CS 232. Introduction to operating systems, real and virtual storage concepts, system resources and their management, multiprogram and multiprocess systems. Mainframe, minicomputer and microcomputer systems.
352. **Job Control Language (3).** *Prerequisite:* CS 232. Introduction to Job Control Language for IBM mainframes. DOS VSE/JCL used to run application programs, create/maintain files and programs and perform utility functions. Lab fee.
377. **Software Engineering in ADA (3).** *Prerequisite:* CS 232. An introduction to the principles of software design and development using the ADA programming environment. Lab fee.
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.
- 411. **Management Information Systems (3).** *Prerequisites:* CS 231 and senior status. Study of the systems concept and its relationship to information requirements for decision-making and management. Computer solutions of MIS-related problems. Lab fee.
- 417. **System Modeling/Simulation (3).** *Prerequisites:* MS 304 or 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.
- 496. **Laboratory Practicum (1).** Four hours of laboratory each week. *Prerequisite:* Permission of head of department. Students learn to utilize various computer hardwares and softwares while assisting a computer science faculty member. For juniors and seniors. Lab fee.

497. **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 101 | 3 | EH 102 | 3 |
| HY* | 3 | HY* | 3 |
| Natural Science* | 4 | Natural Science* | 4 |
| MS 102 | 3 | MS 122 or 141 | 4-3 |
| CS 201 | 3 | PSY 201 | 3 |
| | 16 | | 17-16 |

SOPHOMORE YEAR

| Fall | | Spring | |
|-----------------------------|----|------------------------------|----|
| EH 141 | 2 | Wellness* | 3 |
| MS 204 | 3 | Minor/Electives | 3 |
| Fine Arts Elective | 3 | Literature* | 3 |
| ACC 200 | 4 | ACC 210 | 3 |
| CS 231, Comp. Prog. I | 4 | CS 232, Comp. Prog. II | 4 |
| | 16 | | 16 |

JUNIOR YEAR

| Fall | | Spring | |
|-----------------------------|----|-----------------------------|----|
| Literature* | 3 | MGT 305 | 3 |
| Minor/Electives 300 + | 3 | Minor/Electives 300 + | 6 |
| EC 221 | 3 | EC 222 | 3 |
| CS 250, Cobol | 4 | CS 350, Oper. Sys. | 3 |
| CS 310, Sys. Ana. | 3 | CS Elective | 3 |
| | 16 | | 18 |

SENIOR YEAR

| Fall | | Spring | |
|-----------------------------|----|-----------------------------|----|
| EH 322 | 3 | CS 488, Data Base | 3 |
| CS 411, MIS | 3 | CS 491, Soft. Design | 3 |
| CS Elective | 3 | CS Elective 300 + | 3 |
| CS Elective 300 + | 2 | FIN 301 | 3 |
| (by advisement only) | | Minor/Electives 300 + | 3 |
| MKT 301 | 3 | | 15 |
| Minor/Electives 300 + | 3 | | |
| | 17 | | |

TOTAL HOURS: 130-131

**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 | 3 | Social/Behavioral Science* | 3 |
| | | MS 142, Cal II | 3 |
| | 15 | | 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 I | 4 | CS 232, Comp Prog II | 4 |
| | | CS 334, Discrete Struct | 3 |
| | 15 | | 18 |

JUNIOR YEAR

| Fall | | Spring | |
|-------------------------------|----|--------------------------|----|
| CS 331, Data Structures | 3 | CS 333, Dig. Logic | 3 |
| CS 300 + | 3 | CS 350, Oper. Syst. | 3 |
| MS 304, Math Stat | 3 | CS 300 + | 3 |
| Minor/Electives | 9 | MS 310, Num Ana | 3 |
| | | Minor/Electives | 6 |
| | 18 | | 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, 491 | 27 |
| CS Electives (300-400 Level) by advisement only | 5 |
| CS Electives | 6 |
| ACC 200, 200L, 210 | 7 |
| FIN 301 | 3 |
| MS 204 | 3 |
| MGT 305 | 3 |

Total CIS Certificate Requirements

54

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**

To Be Named: Department Head
Professors: Cox, Gant, Poore, 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, 241, 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. In addition, Physics 211, 211L, 212, 212L, and Mathematics 141, 142 and 241 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, 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. (Offered in alternate years.)
- 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. Fats, 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. 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 101, Comp. | 3 | EH 102, Comp. | 3 |
| HY* | 3 | HY* | 3 |
| CY 105, Gen. Chem. | 3 | CY 106, Gen. Chem. | 3 |
| CY 107, Gen. Chem. Lab | 1 | CY 108, Gen. Chem. Lab | 1 |
| MS 102, College Algebra | 3 | MS 103, Plane Trigonometry | 3 |
| Computer Literacy* | 3 | EH 141, Speech | 2 |
| | 16 | | 15 |

SOPHOMORE YEAR

| Fall | | Spring | |
|--------------------------------------|----|--------------------------------------|----|
| Literature 300+* | 3 | Literature 300+* | 3 |
| PHS 211, Physics for Sci. & Eg. | 4 | PHS 212, Physics for Sci. & Eg. | 4 |
| PHS 211L, Lab | 1 | PHS 212L, Lab | 1 |
| MS 141, Calculus I | 3 | MS 142, Calculus II | 3 |
| CY 231, Organic Chemistry | 4 | CY 232, Organic Chemistry | 4 |
| | 15 | | 15 |

JUNIOR YEAR

| Fall | | Spring | |
|-------------------------------------|----|----------------------------------|----|
| Social/Behavior Science* | 3 | Social/Behavior Science* | 3 |
| CY 341, Physical Chemistry | 4 | CY 342, Physical Chemistry | 4 |
| Wellness* | 3 | Fine Art Elective* | 3 |
| CY 321, Quantitative Analysis | 4 | MS 300+ Elective | 3 |
| MS 241, Calculus III | 3 | MS 242, Calculus IV | 3 |
| | 17 | | 16 |

SENIOR YEAR

| Fall | | Spring | |
|------------------------------|------|------------------------------|----|
| CY Elective 400+** | 3-5 | General Electives 300+ | 17 |
| MS 300+ | 3 | | |
| General Electives 300+ | 11-9 | | 17 |
| | 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

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

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.
- 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 of 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 241. 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, 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, 241, 242, 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 101, Comp. | 3 | EH 102, Comp. | 3 |
| MS 141, Calculus I | 3 | MS 142, Calculus II | 3 |
| CY 105, Gen. Chem. | 3 | CY 106, Gen. Chem. | 3 |
| CY 107, Gen. Chem. Lab | 1 | CY 108, Gen. Chem. Lab | 1 |
| EG 121, Engin. Graphics | 3 | EG 112, Engin. Methods | 2 |
| Computer Literacy* | 3 | EH 141, Speech | 2 |
| | <u>16</u> | | <u>14</u> |

SOPHOMORE YEAR

| Fall | | Spring | |
|--------------------------------------|-----------|--------------------------------------|-----------|
| Literature* | 3 | Literature* | 3 |
| HY* | 3 | HY* | 3 |
| PHY 211, Physics for Sci. & Eg. | 4 | PHS 212, Physics for Sci. & Eg. | 4 |
| PHY 211L, Lab | 1 | PHS 212L, Lab | 1 |
| MS 241, Calculus III | 3 | MS 242, Calculus IV | 3 |
| Social/Behavior Science* | 3 | MS 344, Differential Equations | 3 |
| | <u>17</u> | | <u>17</u> |

JUNIOR YEAR

| Fall | | Spring | |
|---------------------------------------|-----------|---|-----------|
| Social/Behavior Science* | 3 | PHS 343, Electro. Magnetic Fields | 3 |
| Wellness* | 3 | PHS 343L, Lab | 1 |
| PHS 301, Modern Physics | 3 | Gen. Elective | 3 |
| PHS 301L, Lab | 1 | MS 484, Partial Differential Eqns. | 3 |
| EG 201, App. Mechanics - Statics | 3 | EG 202, App. Mechanics - Dynamics . | 3 |
| MS 403, Vector Analysis | 3 | Fine Arts Elective* | 3 |
| | <u>16</u> | | <u>16</u> |

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 | | <u>15</u> |
| | <u>17</u> | | |

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 305, 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 305, 375, 376, 377, 421, 433, 434, 436, and 455**

Geography: (six hours*)

GY 320

Three hours selected from GY 351, 352, 353, AN 345, and 347**

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

**Where possible, all area specific courses should focus on the same area: Western Europe, the former Soviet Union and Eastern Europe, Far East, Latin America, the Middle East, and so on.

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, the former Soviet Union and Eastern Europe, Far East, Latin America, the Middle East, and so on.

DESCRIPTION OF COURSES

Political Science 100 is prerequisite to all other undergraduate courses in political science unless otherwise specified. (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.
305. **Comparative and International Politics (3).** An introduction to the government and politics of a variety of different national states as well as the conduct of international relations. Covers western and non-western, developed and less developed nations.
332. **International Organizations (3).** Principles, procedures, and functions of international governmental organizations including the United Nations, the Organization of American States, the North Atlantic Treaty Organization, the European Common Market, and International Judicial organizations.
342. **Political Parties (3).** Composition, organization, and function of American political parties on the national, state, and local levels.

352. **The Legislative Process (3).** American legislative bodies with emphasis upon recruitment, composition, structure, procedures, functions, role of parties and pressure groups, and problems of legislative reform.
375. **Governments of Latin America (3).** Organization and structure of the principal Latin-American nations, with emphasis upon constitutional development and present-day issues.
376. **Governments of Asia (3).** The government and politics of Asian countries except the Near East, with major emphasis upon the governments of China, Japan, and India, and the role of Asia in world affairs.
377. **Governments of Africa and Near East (3).** The government and politics of the Near East and the emergent African nations with attention to present developments and the role of these countries in world affairs.
380. **National Security Affairs (3).** Examines theories and policies of national security with concentration upon U.S. national defense policy. Particular emphasis is upon the roles of executive, legislative, and non-government actors. Topics include deterrence theory, arms control, military-civilian relations, manpower and weapons acquisition, and the economics of defense.
385. **Local Government and Administration (3).** The development of local government in both rural and urban areas in the United States, with an examination of the principal institutions and processes of local government. Main attention is given to the organization and administration of county government in the rural areas and city government in the urban areas. Not open to freshmen.
386. **State Government and Administration (3).** Structure and organization of American state government; state courts, state legislatures, the American governor, and major problems of state government.
421. **American Diplomacy to 1900 (3).** Chronological development of American foreign policy from the early period to 1900.
423. **Twentieth-Century American Foreign Policy (3).** Traces main streams of American foreign policy in the twentieth-century. Major American foreign policy decisions are used in the analytical development of American foreign policy processes. The various influences upon foreign policy decision-making are identified and evaluated.
432. **International Relations (3).** Basic principles of international relations, with emphasis on the modern state system, nationalism, diplomatic relations, and international politics.
433. **Governments of Western Europe (3).** Democracies of Western Europe, with major attention to the governments of Great Britain, France, and West Germany.
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**

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

FRESHMAN YEAR

| Fall | | Spring | |
|----------------------------------|-------|---------------------------------|-------|
| EH 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**

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

FRESHMAN YEAR

| Fall | | Spring | |
|----------------------------------|-------|----------------------------------|-------|
| EH 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 |
| | | PHY 201 | 3 |
| | 15-17 | | |
| | | | 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 | 3 | PSC Theory & Method. Elect. | 3 |
| | 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 | 3 |
| FIN 341, Prin of RL Est** | 3 | | |
| EH 344, Adv Comp** | 3 | | 15 |
| Minor/Electives 300 + | 3 | | |
| | 18 | | |

SENIOR YEAR

| Fall | | Spring | |
|-------------------------------------|----|-----------------------------------|----|
| PSC Theory & Method. Elective | 3 | PSC 444, Constitutional Law | 3 |
| PSC 443, Constitutional Law | 3 | Minor/Electives 300 + | 14 |
| ACC 200, 200L, Prin** | 4 | | |
| Minor/Electives 300 + | 6 | | 17 |
| | 16 | | |

TOTAL HOURS: 128-136

*See Core Curriculum

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

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)

- 202. **Principles of Logic (3).** Major topics in the philosophy of language, and the principles of inductive and deductive logic. Designed for the general student and for those who expect to do advanced work in law, medicine, science, theology, and philosophy.
- 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 as approved by department head

DESCRIPTION OF COURSES

- 201. **Principles of Psychology (3).** An introduction to basic methodology, principles and terms of contemporary psychology. Stresses a scientific analysis of behavior.

220. **Principles of Behavior Analysis (3).** *Prerequisite:* PSY 201. An introduction to principles of operant behavior analysis stressing experimental design, observing and recording techniques, and the basic 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 consequencing 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.
322. **Human Development (3).** *Prerequisite:* PSY 201. Study of mental, physical, social, and emotional life of the individual throughout the life span. Special attention given to the first two decades of life.
323. **Adult Development and Aging (3).** *Prerequisite:* PSY 201. Introduction to methodological, empirical, and theoretical perspectives of psychological development during adulthood. Topics include physical and cognitive development, personality, social development, and the role of work.
330. **Abnormal Psychology (3).** *Prerequisite:* PSY 201. Examines the major forms of and theoretical explanations for behavior patterns which have been culturally defined as deviant or psychologically abnormal.
335. **Theories of Personality (3).** *Prerequisite:* PSY 201. A comprehensive study of the concepts of personality. Emphasis will be placed on major theories and theorists of personality, such as Freud, Jung, Lewis, Rogers, and Maslow.
337. **Psychology of Sex Roles (3).** Studies of the origin of sex differences within three theoretical models; biological, psychological, and sociological and examines the nature of these differences emphasizing current research in areas such as Androgyny, Sex Typing, Sexuality, Employment, Tokenism, and Marriage.
340. **Statistics for Life Sciences (3).** *Prerequisite:* MS 102, *recommended* MS 204. Basic statistical concepts and procedures. Demonstration and application of statistical analysis to behavioral research.
345. **Psychology of Language (3).** *Prerequisite:* PSY 201. Analysis of the development and evolution of referential and symbolic language.
350. **Social Psychology (3).** *Prerequisite:* PSY 201. A survey of the effects of society and cultural factors upon individual and group behavior. Topics include: conformity, persuasion, attitude change, leadership, self perception, aggression, and affiliation.

360. **Human Assessment (3).** *Prerequisites: PSY 220, 340.* Assessment and evaluation of human behavior using standardized tests, physiological techniques and behavioral techniques.
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.
415. **Cognitive Processes (3).** *Prerequisite: PSY 201.* This course reviews processes such as memory, concept formation, reasoning, critical thinking, problem solving, and applications of cognitive science.
420. **The Science of Psychology (3).** *Prerequisites: PSY 310, 310L.* A review of the logic and empirical foundations of psychological explanations.
424. **Behavior Modification (3).** *Prerequisites: PSY 220, 220L.* Describes the extension of behavior technology to clinical and educational settings. Emphasis will be on a variety of behavior therapy procedures.
425. **Medical Psychology (3).** *Prerequisite: PSY 220.* This course will focus on the use of psychological techniques within medical settings for problems such as hypertension, pain, asthma, eating disorders, and smoking.
- 430, 431. **Seminar in Current Problems (3) (3).** *Prerequisites: PSY 310, 310L and consent of the instructor.* Examines the relevant research and methodological problems related to topics of current emphasis in behavioral research. Examples are: drug addiction, aggression, and contingency management.
- 440, 441. **Individual Research (3) (3).** *Prerequisites: PSY 310, 310L, and consent of the instructor.* Students will conduct supervised research projects in an area of their own choosing.
444. **Conditioning & Learning (3).** *Prerequisites: PSY 310, 310L.* A review of research, investigating and basic parameters of conditioning and its theoretical implications. Topics covered will include operant and respondent conditioning, discrimination and punishment.
- 444L. **Conditioning & Learning Lab (1).** *Corequisite or prerequisite: PSY 444.* Students will replicate some classic experiment in the areas of conditioned reinforcement or stimulus control and will design and conduct an original short research project.
455. **Environmental Psychology (3).** Students will learn how to identify environment-person interaction problems, how to measure behavior, and how to make changes in behavior of the environment. (Formerly PSY 355).

- 460, 461. Senior Practicum (3) (3).** *Prerequisites: PSY 310, 310L, and 9 additional hours in psychology.* Practiced in behavioral techniques in an instructional setting.
- 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.
- 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.

**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 | 3 | PSY 220, Prin of Beh Ana | 3 |
| | 16 | PSY 220L, Lab | 1 |
| | | | 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 | 3 | PSY 300 + | 3 |
| | 15-17 | Fine Arts* | 3 |
| | | | 16 |

JUNIOR YEAR

| Fall | | Spring | |
|-----------------------|----|-----------------------|----|
| PSY 300 + | 6 | PSY 300 + | 3 |
| Minor/Electives | 6 | Minor/Electives | 6 |
| Elective 300 + | 3 | Elective 300 + | 9 |
| | 15 | | 18 |

SENIOR YEAR

| Fall | | Spring | |
|-----------------------------|----|-----------------------------|----|
| PSY 300 + | 3 | PSY 300 + | 3 |
| Minor/Electives 300 + | 6 | Minor/Electives 300 + | 12 |
| Minor/Electives | 9 | | 15 |
| | 18 | | |

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****Instructors: Powe, Smith****The BSW program is accredited by the Council on Social Work Education.**

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, 448, 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. Students must have been formally accepted to the Social Work Program before taking SW 391, 448, 449, and 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, 442 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.

*See department head for equivalent.

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.

*No prerequisites required for gerontology minors.

SOCIOLOGY (SY)

DESCRIPTION OF COURSES

- 221. **Introduction to Sociology (3).** Basic concepts, principles, and methods of sociological analysis are examined. Subject areas include culture, socialization, groups, communities, institutions, social inequality, and social change.
- 223. **Social Problems (3).** *Prerequisite:* SY 221. American culture and society, including analytical treatment of problems of crime, urban living, mass media, mental illness, education, race, population, civil liberties, and others.
- 301. **Sociological Methods (3).** *Prerequisite:* SY 221. An introduction to the theory, design, collection, and analysis of data in sociology with particular focus given to various techniques by which sociological data are examined.
- 303. **Computers and Data Analysis (3).** *Prerequisite:* SY 301 or 304 or CS 100. Computers are used in the analysis of survey data. Commonly used software packages, such as SPSS, are employed. Lab fee.
- 304. **Social Statistics (3).** *Prerequisite:* An algebra course. An introduction to use of statistics in the social sciences, with an examination of measures of association and dispersion, scaling, probability, and tests of significance.
- 310. **Marriage and the Family (3).** *Prerequisite:* SY 221. Family structures; functions and dysfunctions of the family; intimate relationships; sexual behaviors and attitudes; the differences between the sexes; dating, courting and mate selection; endogamy and exogamy; family life; children; and alternatives to traditional marriage.
- 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.
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. 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. Students are required to complete 25 hours of volunteer work in fulfilling course requirements.
332. **Social Policy and Services (3).** *Prerequisites:* SW 330, SW 380, and SW 390. Current social policies and programs are presented and analyzed. Information on influencing policy formulation in the administrative, legislative, and judicial arenas is emphasized.
333. **Family and Child Welfare Services (3).** An exploration of the history of child welfare service in this country, as well as current trends in this field of Social Work. Foster care, adoption and protective services will be viewed in a historical perspective ending with an evaluation of current policy and future implications for Social Work practice in child welfare areas.
334. **Volunteerism (3).** Current trends, and the historical development of volunteerism in social services are discussed. Developing, managing, and evaluating volunteer programs are reviewed.
335. **Social Work in Health Care (3).** This course explores social work practice in various health care settings such as hospitals, health maintenance organizations, long-term care facilities, and home health care agencies. The psychosocial aspects of working with clients (patients) and the range of intervention strategies available to social work practitioners will be discussed.
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. SW 380 should be taken concurrently with SW 390.

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. **Social Work Practice I (3).** *Prerequisite:* SW 330. Generalist social work practice, ethics and values of the social work profession, and basic helping skills will be studied. Students will begin to acquire generalist social work practice skills and an identity with the social work profession. SW 390 should be taken concurrently with SW 380.
391. **Social Work Practice II (3).** *Prerequisites:* SW 330 and SW 390. Generalist practice skills will be developed for work with families and groups. Family assessments and interventions, and group practice issues will be reviewed.
392. **Rational Emotive 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, 442. **Independent Study (3) (3).** *Prerequisites:* Approval of instructor and department head required. Students with advanced standing explore areas of special interest with individualized instruction from a faculty member.
448. **Social Work Practice III (3).** *Prerequisites:* SW 390 and 391, acceptance to the BSW degree program and to Field Instruction Placement. *Co-requisites:* SW 449 and SW 450. Generalist practice knowledge, values, and skills will be studied and developed for work with and in organizations, communities, and large social systems. [SW 448 (3) taken concurrently with SW 450 (3) replaces the former SW 450 (6).]
449. **Field Instruction Placement (6).** *Prerequisites:* All required social work courses, senior status, and permission of instructor. Internship in a social service agency for 400 hours of supervised practice accompanied by a seminar (SW 450) and a practice course (SW 448).
450. **Field Instruction Seminar (3).** *Prerequisites:* All required social work courses, senior status, and permission of instructor. Class meets once a week. Must be taken concurrently with SW 448 and SW 449.

**BACHELOR OF SCIENCE
MAJOR: SOCIOLOGY**

FRESHMAN YEAR

| Fall | | Spring | |
|----------------------------|----|------------------------|----|
| EH Comp 101 | 3 | EH Comp 102 | 3 |
| HY* | 3 | EH 141, Spch | 2 |
| Natural Science* | 4 | HY* | 3 |
| Fine Arts Elective* | 3 | Natural Science* | 4 |
| SY 221, Intro to Soc | 3 | SY Elective | 3 |
| | 16 | | 15 |

SOPHOMORE YEAR

| Fall | | Spring | |
|----------------------------------|----|---------------------------|-------|
| Literature* | 3 | Literature* | 3 |
| MS 102*, Alg | 3 | Analysis* | 3-5 |
| Social/Behavioral Science* | 3 | SY 304, Social Stat | 3 |
| Wellness* | 3 | Minor/Electives | 6 |
| SY 301, Soc Methods | 3 | | |
| | 15 | | 15-17 |

JUNIOR YEAR

| Fall | | Spring | |
|--------------------------------|--------------|-----------------------|-----------|
| SY 313, or 324, or 325, or 360 | 3 | SY 300 + | 3 |
| SY 300 + | 3 | Minor/Electives | 9 |
| Minor/Electives | 9 | Minor/Electives 300 + | 6 |
| ¹ CS 201 | 3-4 | | |
| | <u>18-19</u> | | <u>18</u> |

SENIOR YEAR

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

TOTAL HOURS: 128-130

^{*}See Core Curriculum¹See 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 | 3 | PSY 201, Prin | 3 |
| | <u>16</u> | | <u>15</u> |

SOPHOMORE YEAR

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

JUNIOR YEAR

| Fall | | Spring | |
|---------------------|-----------|----------------------|-----------|
| SW 330, Intro to SW | 3 | SW 380, HBSE I | 3 |
| Minor/Electives | 13 | SY 301 | 3 |
| | <u>16</u> | SW 390, Pract. I | 3 |
| | | Minor/Electives 300+ | 9 |
| | | | <u>18</u> |

SENIOR YEAR

| Fall | | Spring | |
|--------------------------------|----|-------------------------------|----|
| SW 332, Soc. Pol. & Serv. | 3 | SW 448, Practice III | 3 |
| SW 381, HBSE II | 3 | SW 449, Field Placement | 6 |
| SW 391, Practice II | 3 | SW 450, Field Seminar | 3 |
| Minor/Electives 300 + | 6 | | 12 |
| | 15 | | |

TOTAL HOURS: 128

*See Core Curriculum

†See 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, Ford, Hembree, Latham, Lavender, Roberts, Watts

Associate Professors: Foster, Freeman, Goodman, Guice, Thornhill

Instructors: Bougere, Curry

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

At the date of entry into the upper division of nursing, student shall show completion of prerequisite courses with a minimum grade of "C" and a minimum Grade Point Average of 2.50. Each student's record will be reviewed as a basis for approval into the upper division. 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 program.

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. **Professionalization of Nursing: Issues and Trends (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.
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. 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. Pass/fail grade only.
447. **Independent Study (1).** *Prerequisite: Permission of Advisor.* Special project in nursing studies. Pass/fail grade only.

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 |
| | <hr/> | CS 100, Intro to Comp. | 1 |
| | 14 | | <hr/> |
| | | | 13 |

| May | |
|----------------------------|-------|
| FCS 322, Normal Nutr | 3 |
| SY 221, Sociology | 3 |
| | <hr/> |
| | 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 | | <hr/> |
| | <hr/> | | 15 |
| | 12 | | |
| May | | | |
| Fine Arts Elective | 3 | | |
| NU Elective (300 +) | 3 | | |
| | <hr/> | | |
| | 6 | | |

JUNIOR YEAR

| Fall | | Spring | |
|----------------------------|-------|---------------------------|-------|
| NU 321, Adult Health | 6 | NU 318, Child Hlth | 6 |
| NU 317, Comp in Nsg | 2 | NU 315, Mat./Infant | 6 |
| BY 360, Patho | 3 | HY* | 3 |
| NU 308, Prof. Issues | 2 | | |
| | <hr/> | | <hr/> |
| | 13 | | 15 |
| | | | |
| May | | | |
| HY* | 3 | | |
| NU Elective (400 +) | 3 | | |
| | <hr/> | | |
| | 6 | | |

SENIOR YEAR

| Fall | | Spring | |
|---------------------------|-------|-----------------------------|-------|
| NU 430, Mental Hlth | 6 | NU 415, Adult Hlth | 6 |
| NU 421, Comm. Hlth | 6 | NU 440, Nsg. Research | 2 |
| Literature* | 3 | NU 402, Leadership | 3 |
| | <hr/> | Literature* | 3 |
| | 15 | | <hr/> |
| | | | 14 |

TOTAL - 129 HOURS

+If NU 410 is taken as the Senior Elective, it may 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 through the STEP (Strategic Teaching for Enhanced Professional Preparation) Program. Courses are made available through the use of video tapes, and other related media, and clinical preceptorships. Students currently licensed as Licensed Practical Nurses should seek individual advisement to determine a specific educational plan.

UNIVERSITY COURSE REQUIREMENTS

The general studies courses for 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 | | Semester II | |
|----------------------------------|-------|--------------------------|-------|
| NU 212, Intro to Prof Role | 10 | NU 421, Comm. Hlth | 6 |
| NU 317, Comp. in NU | 2 | NU 410, Elective | 3 |
| | <hr/> | NU 402, Leadership | 3 |
| | 12 | | <hr/> |
| | | | 12 |

Semester III

| | |
|-----------------------------|---|
| NU 415, Adult Hlth | 6 |
| NU 440, Nsg. Research | 2 |

8



DEPARTMENT OF MILITARY SCIENCE (MSC)

MAIN FLOOR - ROWE HALL

Professor of Military Science: Pattis

Assistant Professors: Balser, Eagle, Happel, Shaver

Jacksonville State University has an approved senior United States Army Reserve Officers' Training Corps (ROTC) program offered on an optional basis. Satisfactory completion of the prescribed program by qualified students satisfies the requirement for commissioning as a Second Lieutenant in the United States Army. The Military Science program also serves all students on campus with offerings designed for personal and professional growth and understanding of our military, as well as designated courses which fulfill university core curriculum wellness requirements.

ENROLLMENT

Enrollment in the ROTC Program for academic credit is open to all members of the student body. The first two years of the ROTC program are known as the *basic course* and includes instruction to provide basic military and individual wellness skills. The second two years of Military Science are known as the *advanced course* and lead to a commission as a Second Lieutenant in the United States Army. A student pursuing an Army commission cannot enter the advanced course until all basic course requirements have been successfully completed or a determination of placement credit has been made. The focus of the last two years is upon refinement of leadership and military skills and fulfillment of all Army pre-commissioning requirements. Enrollment in the advanced course requires permission of the Professor of Military Science.

BASIC COURSE REQUIREMENTS

Not all students who desire to pursue an Army commission are required to complete the basic course. Students who are prior service, are currently serving in a reserve component of the U.S. Armed Forces, or have completed three or more years of an approved Junior ROTC program in high school may be given placement credit for their military experience and should contact the Professor of Military Science for a determination of such.

For those students pursuing an Army commission who have no previous military experience, basic course classes MSC 101, 101L, 115, 202, 202L, and your choice of *one* of the following courses—either MSC 112, or 113, or 201, or one semester of 151-158 are mandatory for entry into the advanced course of instruction. The Professor of Military Science has approval authority for all basic course substitutions.

Students who have no prior military experience and who make a *late decision* to pursue an Army commission may do so by requesting attendance of the Fort Knox ROTC Camp in the summer before their final two years at JSU. The successful completion of this camp qualifies one for entry into the advanced course. Students desiring this option must have an overall Grade Point Average (GPA) of 2.0 or higher on a 4 point scale, must have attained junior status, and must have not less than two school years remaining prior to their baccalaureate graduation. Approval for attendance is required from the Professor of Military Science. Students are paid, including travel, by the Department of the Army for their attendance at this six week camp. MSC 300 is a mandatory prerequisite and must be taken in the May Term just prior to camp attendance. Competitive two-year scholarship opportunities are available for those who successfully complete this basic camp.

Nursing students who desire to pursue a career as commissioned officers in the Army Nurse Corps should contact the Professor of Military Science for details of a basic course program specifically tailored for the nursing discipline. In addition to meeting all ROTC requirements, the prerequisites for commissioning in the Army Nurse Corps are a baccalaureate degree in nursing and a state nursing license.

ADVANCED COURSE REQUIREMENTS

Entry into the ROTC advanced course for commissioning is open to students who have earned a GPA of 2.0 or higher, who have attained junior status, who meet established Army medical and physical standards, who have completed the basic course or received placement credit for such, who demonstrate the requisite leadership potential, and who have the permission of the Professor of Military Science. In addition to successfully completing all ROTC basic course requirements as noted above, students pursuing a commission must successfully complete the following ROTC advanced course classes: MSC 301, 301L, 302, 302L, 303, 305, 401, 401L, 402 and 402L. Additionally, HY 304 and approved core curriculum courses in written communications, computer literacy, math reasoning and human behavior must be successfully completed prior to commissioning. Contact the Professor of Military Science for specific details as to approved courses. Normally during the summer prior to their senior year, students must attend and successfully complete Army ROTC Advanced Camp. This camp is approximately six weeks in duration.

Students receive academic credit for completion (MSC 305/NU 444 for nursing students). No student can be awarded an Army commission until a baccalaureate degree has been conferred.

ADDITIONAL REQUIREMENTS

All basic course Army scholarship recipients and advanced course cadets are required to attend and participate in an intensive physical conditioning/training program three to five days a week during the fall and spring semesters. Additionally, these students must participate in at least one field training exercise during each of these semesters. These requirements are in addition to the normal course of instruction.

COMMISSIONING

Students are commissioned once they have met all Army pre-commissioning requirements and have been awarded a baccalaureate or graduate degree. Students who are commissioned as second lieutenants will be placed on orders to serve in either the active or reserve component of the United States Army. The reserve component includes the Army Reserve and the Army National Guard. This determination is made by an accessions board prior to graduation. Students who specifically desire a commission in the Army Reserve or Army National Guard may elect the Guaranteed Reserves Forces Duty (GFRD) option upon entry into the advanced course.

SCHOLARSHIPS

Army two, three, and four-year scholarship opportunities are available to students on a competitive basis. Students desiring a four-year scholarship must apply in their senior year of high school. Competitive Army scholarship supplements, to include free room, are available to students who meet eligibility requirements. Special competitive scholarships are available for nursing students. Contact the Professor of Military Science for specific details.

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 the century.
- 101L. **Military in U.S. Society Lab (1).** Required to be taken in conjunction with MSC 101; consists of one leadership lab experience per week. Medical clearance for participation required.

112. **Basic Marksmanship (2).** Fundamentals, principles and techniques of rifle marksmanship including equipment, maintenance, shooting positions, safety, and range operations.
- 113.* **Survival (3).** Fundamentals, principles, and techniques for survival in extreme environments. Includes consideration for basic food, water, clothing, shelter, and the field expedient sources and techniques used in satisfying these needs plus fundamentals of mountaineering/rappelling. Students will participate in outdoor training and understand the fundamental precautions essential to survival in primitive environments devoid of normal facilities and services. Medical clearance required.
- 115.* **First Aid (3).** Instruction in lifesaving measures for clearing the upper airway, artificial respiration, cardiopulmonary resuscitation, control of bleeding, shock, treatment of other miscellaneous injuries, and personal hygiene for fitness.
116. **Unarmed Self Defense (2).** Instruction in the basic unarmed self defense techniques to permit effective defense against unarmed, knife, and handgun attack through actual practice.
- 151-158.* **Rangers (1).** Develops qualities of self discipline, self confidence, and resourcefulness through application of small military unit operations. Students are required to participate in a two-day field training exercise during the semester. Medical clearance for participation is required.
201. **Basic Leadership/Management (2).** The functions, duties and responsibilities of junior leaders are presented through lecture, discussion and practical application with emphasis on both military and civilian leadership environments.
202. **Basic Military Science (2).** Prerequisites: MSC 101 and 101L. Introduction to military skills and subjects including the military as a profession; the role of the officer and noncommissioned officer; introduction to map reading; includes Army requirements for inspection, physical training and drill and ceremonies.
- 202L. **Basic Military Science Lab (1).** Required to be taken in conjunction with MSC 202; consists of one leadership lab experience per week. Medical clearance required for participation.
300. **Basic Camp Prep Course (3).** Prepares students who have not completed the basic course for attendance of the Army ROTC Basic Camp. Successful completion of this camp qualifies a student for entry into the advanced course of instruction conducted on campus. Includes instruction in drill and ceremony, physical fitness, land navigation, leadership, tactics, and basic rifle marksmanship. Offered during May term only. Medical clearance for participation required.

*An asterisk indicates a course which fully or partially fulfills core curriculum wellness requirements.

Advanced Courses

301. **Advanced Military Science (3).** Advanced leadership, military teaching principles, threat presentation, military skills, written and oral communication, and map reading. Cadets will be required to participate in one three-day field training exercise during the semester. MSC 301L required.
- 301L. **Adv Mil Sci Leadership Lab (2).** Taken in conjunction with MSC 301; consists of physical training (3 times/wk), a leadership experience (1 time/wk), and a field training exercise during the semester.
302. **Advanced Military Science (3).** 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 field training exercise during the semester. MSC 302L required.

- 302L. Adv Mil Sci Leadership Lab (2).** Taken in conjunction with MSC 302; consists of physical training (3-5 times/wk), a leadership experience period (1 time/wk), and a field training exercise during the semester.
- 303. Advanced Military Science (3).** May Term only. Physical training, leadership, land navigation, NBC, rifle marksmanship, communications and tactical exercises. Students required to participate in a major field training exercise during the semester. Must be taken by itself; cannot be taken in conjunction with any other JSU course offered in May Term.
- History 304. American Military History (3).** Required for commissioning; for a course description see History 304.
- 305. Advanced Military Science (3).** Advanced Camp. Practical application of tactics, leadership, land navigation and marksmanship skills. Six weeks during the summer at a designated Army installation. No fee. *Prerequisites:* MSC 301, 302, 303, and/or permission of Professor of Military Science.
- 401. Advanced Military Science (3).** Leadership Assessment Program, written and oral communications, Army training management, command and staff functions, and ethics and professionalism. MSC 401L required.
- 401L. Adv Mil Sci Leadership Lab (2).** Taken in conjunction with MSC 401; consists of physical training (3 times/wk), a leadership experience period (1 time/wk), and a field training exercise during the semester.
- 402. Advanced Military Science (3).** Military law and justice, US Army personnel management system, logistics, post and installation support, and threat tactics. MSC 402L required.
- 402L. Advanced Military Science Leadership Lab (2).** Taken in conjunction with MSC 402; consists of physical training (3 times/wk), a leadership experience period (1 time/wk), and a field training exercise during the semester.
- 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

For all military specific courses, uniforms, texts, and certain equipment are furnished by the United States Government at no expense to the student. Uniforms and equipment issued to cadets remain the property of the United States Government and will be turned in upon withdrawal from any MSC course, upon completion of the course if such occurs other than at the end of the academic year, or at the end of the semester or academic year as applicable. Certain equipment will be turned in upon completion of the specific training event. Students will be required to reimburse the government for losses or damage. For certain basic courses which are not military specific, purchase of texts may be required.

MINOR: MILITARY SCIENCE

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

| | |
|--|-----------------|
| MCS 301, 301L, 302, 302L, 401, 401L, 402, 402L | 20 hours |
| HY 304 | 3 hours |
| MGT 301, MSC 303, MSC 305, EH 322, EH 344 | |
| (Any combination of 6 hrs.) | 6 hours |
| Total Hours Required | 29 hours |

DEPARTMENT OF TECHNOLOGY

217 SELF HALL

S. Aman: Department Head

Professor: Aman

Assistant Professor: Chen

Instructors: Marbut, Williams

The Department of Technology offers courses leading to the Bachelor of Science degree with four available majors: Electronics Technology, Computer Integrated Manufacturing Systems Technology, Occupational Safety and Health Technology and Technology. These Technology degrees focus on the technological needs of manufacturing industries and, as degree programs of study, are designed to prepare management-oriented technical professionals. Programs offered within the Department involve the application of the knowledge and understanding of materials and production processes, concepts of management and human relations, safety, quality, marketing, communications, electronics, graphics, mathematics, physical sciences, and computer fundamentals in a problem-solving approach. Students majoring in Technology may choose to concentrate in industrial engineering management or quality control 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 management, supervisory or technical work experience (3 semester hours per year for a minimum of 3 years up to a maximum of 6 years), or approved professional certification programs. In no case will technical specialty credit awarded exceed 36 semester hours and it will only be awarded to students pursuing a major that is offered by the Department of Technology.

The department also offers a minor in Technology to benefit students majoring in other fields. The minor features a broad offering of courses in technology, including electronics, industrial management, manufacturing, production, quality, and safety. A minor in Technology requires a minimum of 21 hours consisting of: TEC 211, 330, 343, 361, 370, 380 and 3 hours of 300-400 elective. A minor in Electronics Technology is also offered and requires a minimum of 21 semester hours consisting of: TEC 211, 225, 250, 311, 344, 380 and 429.

BACHELOR OF SCIENCE DEGREE

TECHNOLOGY, ELECTRONICS, COMPUTER INTEGRATED
MANUFACTURING SYSTEMS AND OCCUPATIONAL SAFETY
AND HEALTH TECHNOLOGY MAJORS¹

FRESHMAN YEAR

| Fall | |
|------------------------------------|---|
| EH Comp 101 | 3 |
| HY 101 or 201 World/Amer | 3 |
| MS 102, Alg | 3 |
| Soc/Beh Science ² | 3 |
| Wellness ² | 3 |
| CS 100 Intro to Computers | 1 |

| Spring | |
|------------------------------------|---|
| EH Comp 102 | 3 |
| EH 141 Spch | 2 |
| Fine Art ² | 3 |
| HY 102 or 202 | 3 |
| Soc/Beh Science ² | 3 |
| ST 260 or MS 204 Stats | 3 |

SOPHOMORE YEAR

| Fall | | Spring | |
|------------------------------------|----|------------------------------------|----|
| Literature ² | 3 | EH 322 Tech Writing | 3 |
| Natural Science ³ | 4 | Literature ² | 3 |
| TEC 211 AC/DC Circuits | 3 | Natural Science ³ | 4 |
| TEC 380 Ind. Safety & Health | 3 | TEC 201 Microcomputers | 3 |
| Gen Electives | 2 | TEC 250 CAD I | 3 |
| | 15 | | 16 |

ELECTRONICS TECHNOLOGY MAJOR**JUNIOR YEAR**

| Fall | | Spring | |
|----------------------------------|----|-------------------------------------|----|
| TEC 225 Elec Devices I | 3 | TEC 302 Adv Tech Math | 3 |
| TEC 311 Elec - Digital | 3 | TEC 326 Elec Devices II | 3 |
| TEC 343 Managing Eng. Tech | 3 | TEC 327 Elec Devices Lab. | 1 |
| TEC 344 Mfg. Cost Analysis | 3 | TEC 361 Materials & Processes | 3 |
| TEC 370 Cont. Qual. Impr. | 3 | Gen Electives | 6 |
| Gen Electives | 1 | | 16 |
| | 16 | | |

SENIOR YEAR⁵

| Fall | | Spring | |
|---------------------------------------|----|--------------------------------------|----|
| TEC 316 Adv Electronics | 4 | TEC 366 Control Systems Tech | 3 |
| TEC 300 + Elective ⁴ | 3 | TEC 429 App. Diag. Comm. Sys. | 3 |
| Gen Electives | 9 | TEC 300+ Elective ⁴ | 3 |
| | 16 | Gen Electives | 7 |
| | | | 16 |

**COMPUTER INTEGRATED MANUFACTURING SYSTEMS
TECHNOLOGY MAJOR****JUNIOR YEAR**

| Fall | | Spring | |
|-------------------------------------|----|------------------------------------|----|
| TEC 343 Managing Eng. Tech | 3 | TEC 302 Adv. Tech. Math | 3 |
| TEC 344 Mfg. Cost Analysis | 3 | TEC 351 CAD II | 3 |
| TEC 361 Materials & Processes | 3 | TEC 365 Strength of Ind. Mat. | 3 |
| TEC 370 Cont. Qual. Impr. | 3 | TEC 418 Electronics - Micro | 3 |
| General Electives | 4 | General Electives | 4 |
| | 16 | | 16 |

SENIOR YEAR⁵

| Fall | | Spring | |
|-----------------------------------|----|-----------------------------------|----|
| TEC 450 Prog. Controller | 3 | TEC 366 Control Sys. Tech | 3 |
| TEC 452 Managing & Net. CAD | 3 | TEC 429 App. Dig. Comm. Sys. | 3 |
| TEC 460 Computer-Aided Mfg. | 3 | General Electives | 10 |
| TEC Electives ⁴ | 3 | | 16 |
| General Electives | 4 | | |
| | 16 | | |

OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY MAJOR**JUNIOR YEAR**

| Fall | | Spring | |
|---|---|---|---|
| TEC 343 Managing Eng. Tech | 3 | TEC 302 Adv. Tech Math | 3 |
| TEC 344 Mfg. Cost Analysis | 3 | TEC 330 Prod. & Inv. Control | 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 | 4 | General Electives | 4 |
| <hr/> | | <hr/> | |
| 16 | | 16 | |

SENIOR YEAR⁵

| Fall | | Spring | |
|---------------------------------------|---|--------------------------------------|---|
| TEC 341 Motion & Time Study | 3 | TEC 487 Systems Safety | 3 |
| TEC 485 Ind. Safety Mgt | 3 | TEC 488 Industrial Hygiene | 3 |
| TEC Elective ⁴ | 3 | TEC Elective ⁴ | 3 |
| General Electives | 7 | General Electives | 7 |
| <hr/> | | <hr/> | |
| 16 | | 16 | |

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

| Fall | | Spring | |
|---|---|---------------------------------------|---|
| TEC 343 Managing Eng. Tech | 3 | TEC 302 Adv. Tech. Math | 3 |
| TEC 344 Mfg. Cost Analysis | 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 |
| Gen Electives | 1 | Gen Elective | 4 |
| <hr/> | | <hr/> | |
| 13 | | 16 | |

SENIOR YEAR⁵

| Fall | | Spring | |
|--------------------------------------|---|--------------------------------------|---|
| TEC 436 Inventory Mgt. | 3 | TEC 432 MRP | 3 |
| TEC 437 Capacity Mgt | 3 | TEC 484 Ind Ergonomics | 3 |
| TEC Electives ⁴ | 3 | TEC Electives ⁴ | 3 |
| Gen Electives | 7 | Gen Electives | 7 |
| <hr/> | | <hr/> | |
| 16 | | 16 | |

QUALITY CONTROL TECHNOLOGY**JUNIOR YEAR**

| Fall | | Spring | |
|---|---|---------------------------------------|---|
| TEC 343 Managing Eng. Tech | 3 | TEC 330 Prod & Inv Control | 3 |
| TEC 344 Mfg. Cost Analysis | 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 |
| <hr/> | | <hr/> | |

SENIOR YEAR⁵

| Fall | | Spring | |
|---------------------------------|----|---------------------------------|----|
| TEC 476 Quality Auditing | 3 | TEC 472 Quality Assurance | 3 |
| MGT 384 Org. Behavior | 3 | TEC 474 Quality Costs | 3 |
| TEC Elective ¹ | 3 | General Electives | 11 |
| General Electives | 7 | | 17 |
| | 16 | | |

TECHNOLOGY MAJOR WITH APPROVED MINOR⁶

JUNIOR YEAR

| Fall | | Spring | |
|-------------------------------------|----|------------------------------|----|
| TEC 343 Manag. Eng Tech | 3 | TEC 302 Adv. Tech Math | 3 |
| TEC 344 Mfg. Cost Analy | 3 | Minor/Electives | 13 |
| TEC 370 Cont. Qual Impr | 3 | | 16 |
| TEC 361 Materials & Processes | 3 | | |
| Minor/Electives | 4 | | |
| | 16 | | |

SENIOR YEAR⁵

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.

⁴Industrial Engineering Management students must choose either Chemistry or Physics sequence to meet this requirement.

⁵Occupational Safety and Health students must choose either Biology or Chemistry sequence.

⁶Quality Control students must choose either Chemistry or Physics sequence.

⁷Computer Integrated Manufacturing Systems students must take PHY 201, 202, 211L, and 212L.

⁸See advisor for approved electives.

⁹Students will be required during their senior year to take a professional certification exam in meeting graduation requirements.

¹⁰Students 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.

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. **Managing Engineering Technology (3).** Examination and planning of manufacturing operations, personnel, control methods, equipment and supplies. (Formerly TEC 425)
344. **Manufacturing Cost Analysis (3).** *Prerequisite:* MS 102. Technical and economic evaluation of manufacturing operations to determine cost and feasibility.
351. **Computer-Aided Design II (3).** *Prerequisite:* TEC 250. 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.
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.
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. Academic credit is not awarded for participation in the Cooperative Education Program. A pass/fail notation is entered on the transcript upon completion of the semester's work experience.

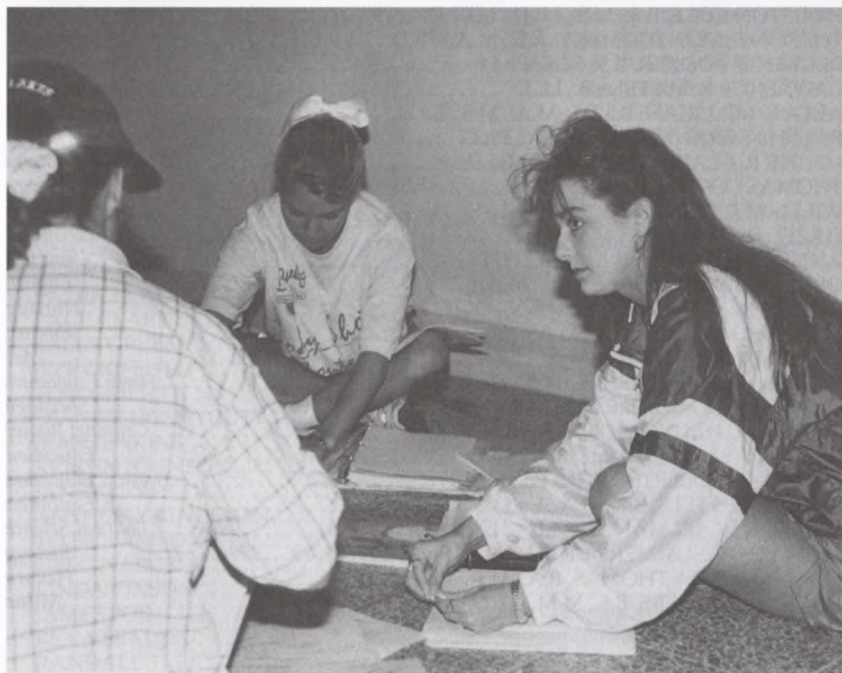
In order to qualify for Cooperative Education, a student must apply and meet the following qualifications:

1. The student must satisfactorily complete a minimum of 24 semester hours prior to entering the program.
2. The student must meet and maintain a 2.5 (4.0 scale) Grade Point Average. Employers may establish higher GPA requirements.
3. The student must have the 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 009. Parallel Co-Op Education (0 hrs.) Cooperative Education experience of part-time employment (15-30 hrs./week) in an approved Co-Op position while enrolled in a minimum of 6 semester hours.



ADMINISTRATION OFFICIALS

| | |
|---|---|
| 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 |
| JACK HOPPER, A.B. | Vice President for Institutional Advancement |
| H. BASCOM WOODWARD, III, B.S., M.A., Ed.D. | Vice President for Student Affairs |
| DONALD THACKER, B.S., M.B.A. | Executive 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 |
| TO BE NAMED. | Dean, College of Commerce and Business Administration |
| DANIEL MARSENGILL, B.S., M.M., D.M. | Dean, College of Communication and Fine Arts |
| 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

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|---|--------------------|
| HOUSTON COLE, B.S., 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 |
| RALPH N. BRANNEN, B.S., M.A., Ph.D. | History |
| LOUISE R. CLARK, B.S.Ed., M.A., Ed.D. | Home Economics |
| THOMAS COCHIS, B.S., M.S., Ph.D. | Biology |
| WILLIAM P. DUNAWAY, B.S., M.A., Ed.D. | Education |
| HAZEL D. HICKS, B.S., M.S. | Accounting |
| ANNE G. JOHNSON, B.A., M.A., Ph.D. | English |
| OPAL A. LOVETT, A.B., B.S.Ed., M.A. | English |
| DOROTHY M. LYONS, B.S., M.S.N., Ed.D. | Nursing |
| SYLVIA S. MALONE, B.A., M.A. | English |
| 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 |
| THOMAS G. NICHOLSON, B.S., M.S., Ph.D. | Criminal Justice |
| RALPH PARNELL, B.S.Ed., M.A., Ed.D. | Education |
| THOMAS J. ROBERTSON, B.S.Ed., M.S. | Physical Education |
| DONALD J. SALLS, B.S., M.A., Ed.D. | 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 |
| MARY MARTHA THOMAS, B.A., M.A., Ph.D. | History |
| DAVID L. WALTERS, B.S., M.M., LL.D. | Music |

STAFF

PRESIDENT'S OFFICE

| | |
|-----------------|--------------------------------------|
| HAROLD J. McGEE | President |
| LINDA LOVE | Executive Secretary to the President |
| DON THACKER | Executive Assistant to the President |
| PAM FINDLEY | Audit Clerk |

ATHLETICS

| | |
|--------------------|------------------------------------|
| JERRY COLE | Athletic Director |
| MARILYNE OSBORNE | Assistant Athletic Director |
| DEBRA BISHOP | Director, Compliance Services |
| ANNE HILL | Secretary to the Director |
| MICHAEL DAVIS | Clerical Assistant |
| LISA HOWE | Head Coach, Women's Soccer |
| GERALD DeBOY, JR. | Rifle Coach |
| ELAINE PARRIS | Bookkeeper |
| JAMES SKIDMORE | Athletic Trainer |
| R. ERIC JOHNSON | Associate Athletic Trainer |
| RUDY ABBOTT | Head Baseball Coach |
| SKIPPER JONES | Assistant Baseball Coach |
| WILLIAM BURGESS | Head Football Coach |
| JOE BILLINGSLEY | Assistant Football Coach |
| JOHNNY BROWN | Assistant Football Coach |
| ROLAND HOUSTON | Assistant Football Coach |
| CHARLES KELLY | Assistant Football Coach |
| CHARLES MANISCALCO | Assistant Football Coach |
| GREG STEWART | Assistant Football Coach |
| WILLIAM JONES | Head Men's Basketball Coach |
| TONY MABREY | Assistant Head Basketball Coach |
| JAMES HOBBS | Head Golf Coach |
| DANA B. AUSTIN | Head Women's Basketball Coach |
| GREG BONDS | Assistant Women's Basketball Coach |
| JANA B. MCGINNIS | Head, Women's Softball Coach |
| STEVE BAILEY | Tennis Coach |
| JANICE SLAY | Head Coach, Women's Volleyball |

DATA SYSTEMS MANAGEMENT DIVISION

| | |
|------------------|--|
| RANDY HARPER | Executive Director, Data Systems Management Division |
| VENITA TONEY | Secretary to the Executive Director |
| ALAN MCCURRY | Acting Manager, Administrative Computer Services |
| PATRICIA BOOZER | Clerical Assistant |
| PAUL CLARK | Systems Analyst |
| SALLY GREEN | Clerical Assistant |
| JEFF GRIFFITH | Programmer |
| TOM GRIFFITH | Systems Analyst |
| DIANNE HONEYCUTT | Programmer/Analyst |
| JEAN JENKINS | Senior Operations Supervisor |
| KRISTIN JOHNSON | Microcomputer Consultant/Programmer |
| JANET JONES | Senior Communications Analyst |
| ANTHONY KINGSTON | Microcomputing Consultant/Programmer |
| TO BE NAMED | Systems Programming |
| GREG NABORS | Programmer/Analyst |
| LINDA PINSON | Programmer/Analyst |
| JAMES POE | Data Communication Network Specialist |
| 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 |
| JAMES MYRICK | Academic Computing Consultant Programmer |
| KIM NORTHINGTON | Academic Computing Consultant Programmer |
| DAPHNE UESRY | Academic Computing Consultant Programmer |
| ELAINE ROBERTS | Manager, University Telecommunications |
| DONNA COLE | 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 |

ACADEMIC AFFAIRS

| | |
|-------------------------|-------------------------------------|
| W. DAVID WATTS | Vice President for Academic Affairs |
| SANDRA WALKER | Executive Secretary |
| WILLIAM A. MEEHAN | Associate Vice President |
| PAM STINSON | Secretary |

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

| | |
|------------------------------|--|
| TO BE NAMED | Dean, College of Commerce and Business Administration |
| LOUISE J. CLARK | Associate Dean, College of Commerce and Business Administration |
| SARAH BONDS | Secretary to the Dean |
| TO BE NAMED | Secretary |
| RUTH TUCKER | Clerical Assistant |
| CAROL BROWN | Secretary |
| KELLY ROBERTS | Secretary |
| LaRUE ROBERTSON | Secretary |
| CAROL SMITH | Coordinator, Academic Advisement |
| 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 |
| DEBRA JONES | Secretary to the Director |
| MARIAN BRYANT | Clerical Assistant |
| CLARICE SMITH | Clerical Assistant |
| WILLARD J. BUTTERWORTH | Program Coordinator |
| MARLANE FAIRLEIGH | Account Executive |
| ROBBIE MEDDERS | Procurement Specialist |
| BLAINE MOORE | Research Analyst |

COLLEGE OF COMMUNICATION AND FINE ARTS

| | |
|-------------------------|---|
| DANIEL MARSENGILL | Dean, College of Communication and Fine Arts |
| PATRICIA MILLER | Secretary to the Dean |
| ALLISON ALLGOOD | Secretary |
| CHRIS CASEY | CCTV Distribution Operator |

| | |
|------------------------|--|
| MIKE HATHCOCK | Chief Maintenance Engineer, Communications |
| DAVID KEEFER | Shop Foreman/Stage Carpenter |
| JOE LANGSTON | WLJS Radio Station Manager |
| ANN PRIDDY | Secretary |
| JANIS RHODES | Secretary |
| SHERRY RIGGIN | Clerical Assistant |
| CATHY ROSE | Secretary |
| JOYCE TATE | Costume Shop Foreman |
| KEITH THOMAS | TV Production Coordinator |
| EVIN THOMPSON | Supervisor, Radio and TV Services |
| LARILDA VANSANDT | Certification Secretary |

COLLEGE OF CRIMINAL JUSTICE

| | |
|---------------------------|--|
| TOM BARKER | Dean, College of Criminal Justice |
| PATSY MEADOWS | Secretary to the Dean |
| VIOLA HUNTER | Clerical Assistant |
| ROBERT V. BAKER, JR. | Director, Museum Security |
| GARY HOLT | Deputy Director/Senior Instructor, Museum Security |
| LYNN BABCOCK | Secretary to the Director |
| RICHARD DICKSON | Instructor, Museum Security |
| DAVID ZEIGLER | Instructor, Museum Security |

COLLEGE OF GRADUATE STUDIES AND CONTINUING EDUCATION

| | |
|--------------------------|---|
| WILLIAM D. CARR | Dean, College of Graduate Studies and Continuing Education |
| CAROL WELCH | Secretary to the Dean |
| SUSAN BEARD | Certification Secretary |
| JO ANN WASHINGTON | Secretary |
| ROBERT G. PETERSON | Director, Jacksonville State University in Gadsden |
| DAWN VAN KEUREN | Evening Coordinator |
| TRULA ADDISON | Secretary to the Director |
| MAXINE ROSE | Director, Military Educational Services |
| LINDA FRAZIER | Secretary to the Director |
| TO BE NAMED | Director, Continuing Education and Director, In-Service Education Center |
| DAVID COPELAND | Associate Director, Continuing Education |
| VICKIE BROWN | Program Coordinator, In-Service Education Center |
| KATHY GORE | Clerical Assistant, Continuing Education |
| LYNNE NABORS | Secretary, Continuing Education |
| HOPE TRANTHAM | Secretary, In-Service Education Center |
| THOMAS ALLEN SMITH | Director, Assessment |
| TERRIE MACINTOSH | Secretary |

COLLEGE OF EDUCATION

| | |
|-------------------------|--|
| ROBERT HYMER | Dean, College of Education |
| WILLIAM A. MEDLEY | Associate Dean, College of Education |
| TERESA NICHOLS | Director, Clinical Experiences |
| CLYDE WILSON | Director, Certification and Advisement |
| PATRICIA LACKS | Secretary to the Dean |
| TERESA AUSTIN | Certification Advisor |
| VICKY CAMPBELL | Certification Advisor |
| HILDA GRIFFIN | Clerical Assistant |
| KELLIE CUMMINGS | Secretary |
| KATHERINE GIELLE | Teacher's Aide |
| MARY ANN HAYNIE | Secretary |
| AMY MARTIN | Data Control Operator |
| BETTY MEDLEY | Secretary |
| PAULA NAPOLI | Teacher's Aide |

| | |
|-------------------------|---------------------------------------|
| MOLLY RAISANEN | Secretary |
| MARGARET TAYLOR | Secretary |
| FRANKLIN KING | Director, Instructional Services Unit |
| CARL M. ZENANKO | Coordinator, Teaching/Learning Center |
| GLENDA SMITHERMAN | Secretary to the Director |

COLLEGE OF LETTERS AND SCIENCES

| | |
|-----------------------------|--|
| J.E. WADE | Dean, College of Letters and Sciences |
| CHRISTOPHER HORSFIELD | Associate Dean, College of Letters and Sciences |
| CYNTHIA HOWARD | Secretary to the Dean |
| TERESA BERRY | Secretary |
| KEENA CAHELA | Therapist/Psychology Clinic |
| STANLEY CATES | Laboratory Technician |
| MICHELE CHAMPAGNE | Program Coordinator, Center for Southern Studies |
| GAIL CHILDS | Secretary |
| SUE CLEMENT | Secretary |
| SANDRA DYAR | Secretary |
| BARBARA GREEN | Secretary |
| KAREN GREGG | Certification Secretary |
| CURTIS HILL | Archaeological Lab Assistant |
| KATHY HUFF | Secretary |
| CYNTHIA NEWSOME | Secretary |
| DEBRA OWEN | Clerical Assistant |
| TRACY PHILLIPS | Secretary |
| MARY ANN RAHE | Clerical Assistant |
| JUDY RAMSEY | Secretary |
| JOYCE SHAW | Clerical Assistant |
| AUDREY SMELLEY | Secretary |
| GLORIA WATSON | Clerical Assistant |
| CLAUDIA McDADE | Director, Center for Individualized Instruction |
| ANN POE | Assistant Director, Center for Individualized Instruction |
| DIANNE AIKMAN | Secretary |
| W. PETER CONROY | Director, Environmental Policy and Information |
| A. BARRY COX | Director, Environmental Programs |
| STEPHEN JORDAN | Associate Director, Environmental Programs |

COLLEGE OF NURSING

| | |
|-------------------------|--------------------------------|
| ROBERTA WATTS | Dean, College of Nursing |
| CAROLYN HALMO | Secretary to the Dean |
| TIM ABEL | Instructional Media Technician |
| JANICE K. BRIM | Secretary |
| PAT CONWAY | Secretary |
| PAULA DAVIS | Coordinator, Nursing Clinic |
| BETH HEMBREE | Coordinator, Student Services |
| DONNA JOHNSON | Clinical Assistant |
| SUSAN McCALLISTER | Clinical Associate |
| AMY MOORE | Secretary |

ADMISSIONS AND RECORDS

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|-----------------------|---|
| JERRY D. SMITH | Dean of Admissions and Records |
| TO BE NAMED | Director of Admissions |
| KATHY CAMBRON | Assistant Director of Admissions and Records |
| MARTHA MITCHELL | Assistant Director of Admissions and Records |
| SUSAN BARRS | Secretary to the Dean |

| | |
|-----------------------|-----------------------|
| TERRY W. CASEY | Admissions Counselor |
| TRACY FAIREL | Admissions Counselor |
| SANDRA FORD | Clerical Assistant |
| CATHRYN GARNER | Clerical Assistant |
| MILLICENT KING | Clerical Assistant |
| TINA McGRADY | Clerical Assistant |
| CARRA McWHORTER | Admissions Counselor |
| DIANE MARSHALL | Secretary |
| PAM TORRUELLA | Data Control Operator |
| REGINA TUBBS | Records Supervisor |

HOUSTON COLE LIBRARY

| | |
|-----------------------------|-----------------------------------|
| WILLIAM J. HUBBARD | University Librarian |
| PATSY FROST | Secretary to University Librarian |
| WILLIAM BATCHELOR | Security Clerk |
| JANICE BOND | Circulation Clerk |
| KAYE DRIGGERS | Cataloging Technician |
| JAMES GERNERT | Circulation Clerk |
| TO BE NAMED | Circulation Clerk |
| SUSAN JONES | Cataloging Technician |
| JANDA LEDBETTER | Government Documents Assistant |
| GARY LEWIS | Circulation Clerk |
| LINDA McCRELLES | Cataloging Technician |
| BEVERLY MOATS-BUTLER | Periodicals Assistant |
| HARVEY RANDALL PIERCE | Security Clerk |
| ELIZABETH REID | Circulation Clerk |
| ANN SMAIL | Cataloging Technician |
| KENT SNOWDEN | Audio Visual Technician |
| DEBRA THOMPSON | Secretary |
| PAM VINSON | Circulation Supervisor |
| JODI WELCH | Acquisitions Assistant |

PLANNING AND ANALYSIS

| | |
|-----------------------|---------------------------------|
| AL SEARWAY | Director, Planning and Analysis |
| PATRICIA GOLDEN | Secretary to the Director |

DEPARTMENT OF TECHNOLOGY

| | |
|-----------------------|------------------------------------|
| STANLEY G. AMAN | Director, Department of Technology |
| KATHY MATTHEWS | Secretary to the Director |

R.O.T.C.

| | |
|--------------------------|-------------------------------|
| LTC JOHN S. PATTIS | Professor of Military Science |
| LINDA BRIGHT | Military Personnel Clerk |
| ELLEN HARTSAW | Military Personnel Clerk |
| MSG. JOHN McGOUYRK | Military Science Staff |
| SGT. CURTIS SCOTT | Military Science Staff |
| SFC. MICHAEL TATUM | Military Science Staff |

BUSINESS AFFAIRS

| | |
|------------------------|-------------------------------------|
| GEORGE E. MILLER | Vice President for Business Affairs |
| DEBRA CARMACK | Executive Secretary |

COMPTROLLER'S OFFICE

| | |
|----------------------------|------------------------------|
| ALLYSON BARKER | 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 |

PERSONNEL SERVICES

| | |
|---------------------|--|
| GARY DEMPSEY | Director, Personnel Services |
| KAREN DAVIS | Assistant Director, Personnel Services |
| CHERYL NORRED | Secretary to the Director |
| JUDY HARRISON | Manager, Salary and Benefits |
| LINDA STEDHAM | Secretary |

PHYSICAL PLANT

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

PURCHASING

| | |
|----------------------------|---------------------------|
| BILLY R. BUTTERWORTH | Director, Purchasing |
| VIVIAN GARNER | Secretary to the Director |
| BRICE HAY | Manager, Inventory |

BUSINESS SERVICES

| | |
|--------------------------|------------------------------------|
| JOE WHITMORE | Director, Business Services |
| LYNDA JOHNSON | Secretary to the Director |
| CAROL JEAN FARRELL | Supervisor, Mail Center |
| BARRY EAST | Senior Mail Clerk/Courier |
| BILLY WOOTEN | Mail Clerk/Courier |
| ROBERT WRIGHT | Mail Clerk/Courier |
| RENE OWENS | Bookstore Manager [Wallace Stores] |
| NOAH RUCKER | Food Service Manager [Marriott] |

STUDENT AFFAIRS

| | |
|-----------------------|-------------------------------------|
| BASCOM WOODWARD | Vice President for Student Affairs |
| MARIE HENSON | Executive Secretary |
| TERESA WILSON | Specialist, Veteran's Affairs |
| BOBBY PARKER | Ticket Sales and Events Coordinator |
| MAYBELL GARDNER | Secretary |

COUNSELING AND CAREER SERVICES

| | |
|----------------------|--|
| MARVIN JENKINS | Director, Counseling and Career Services |
| KAY CALDWELL | Secretary |
| LISA CLAEREN | Counselor |

| | |
|----------------------|---|
| BARBARA GADDY | Clerical Assistant |
| KELLY RYAN | Counselor |
| LINDA SHELTON | Counselor |
| GWEN WESTBROOK | Secretary |
| PEARL WILLIAMS | Coordinator, Part-time Off-Campus Student Employment |
| TO BE NAMED | Clerical Assistant |

DISABLED STUDENT SERVICES

| | |
|---------------------|--|
| DANIEL MILLER | Coordinator, Disabled Student Services |
| SUE MULLER | Secretary |
| RITA BEAL | Interpreter |
| LYNN DUNN | Teacher |
| JANET WHITE | Teacher |

FINANCIAL AID

| | |
|-----------------------|---------------------------|
| LARRY SMITH | Director, 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 |
| ANGELIA WAID | Secretary |
| KIMBERLY CARTER | Financial Aid Officer |

RECREATIONAL SPORTS

| | |
|--------------------------|---|
| MARK JONES | Director, Recreational Sports |
| ERIC BRASHER | Assistant Director, Recreational Sports |
| MARTHA REAVES | Secretary to the Director |
| CYNTHIA BLOOMFIELD | Fitness Coordinator |
| DARREN DOUTHITT | Recreation Room Supervisor |

STUDENT ACTIVITIES

| | |
|----------------------|------------------------------|
| TERRY McCARTHY | Director, Student Activities |
| DEBBIE TAYLOR | Secretary to the Director |
| EMILY HAWK | President, SGA |

STUDENT DEVELOPMENT

| | |
|----------------------|---|
| ALICE CUSIMANO | Associate Vice President, Student Affairs |
| MARY CHEATWOOD | Secretary |

STUDENT HEALTH CENTER

| | |
|-----------------------|---------------------------------|
| NANCY EDGE, R.N. | Director, Student Health Center |
| NORMA PENNY | Secretary to the Director |
| DOROTHY PARTON | Registered Nurse |

UNIVERSITY HOUSING

| | |
|------------------|------------------------------|
| RAY CREEL | Director, University Housing |
| LINDA READ | Secretary to the Director |

UNIVERSITY POLICE

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

| | |
|------------------------|----------------------------|
| RICHARD TUBBS | Police Sergeant |
| JONATHAN BEST | Police Officer |
| CLINTON BLACKMON | Police Officer |
| BRADLEY BUTLER | Police Officer |
| JENNIFER DENTON | Police Officer |
| SAMUEL FIOLE | Safety/Security Supervisor |
| RICKEY GAITHER | Police Officer |
| D. SHAWN GIDDY | Police Officer |
| GREGORY GLAZE | Police Officer |
| HENRY HOPE | Police Officer |
| DEMETRIA PAGE | Safety/Security Officer |
| GARY PIPPIN | Police Officer |
| CURTIS ROBERTS | Police Officer |
| DEBORAH VINSON | Secretary |

INSTITUTIONAL ADVANCEMENT

| | |
|--------------------|--|
| JACK HOPPER | Vice President for Institutional Advancement |
| CAROL WINSOR | Word Processor |

ALUMNI AFFAIRS

| | |
|--------------------|----------------------------|
| CONNIE EDGE | Director of Alumni Affairs |
| NANCY TURNER | Secretary to the Director |

ATHLETIC FUND-RAISING/PROMOTIONS

| | |
|------------------------|---|
| TO BE NAMED | Director, Athletic Fund-Raising/Promotions |
| STEPHANIE MORGAN | Secretary to the Director |

DEVELOPMENT

| | |
|---------------------|---------------------------|
| JOE SERVISS | Director of Development |
| SARA STARLING | Secretary to the Director |
| JOY BRINDLE | Bookkeeper |

INFORMATION SERVICES

| | |
|---------------------|---|
| JERRY HARRIS | Director, Information Services |
| MARY B. SMITH | Graphic Designer |
| 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 |
| KEITH SHEARS | Offset Press Operator |

SPECIAL PROJECTS

| | |
|------------------------|-----------------------------------|
| TERESA STRICKLIN | Acting Director, Special Projects |
| RACHEL CLARK | Secretary to the Director |

FACULTY

1995-96

- HAROLD J. MCGEE (1986) B.S., Old Dominion University; M.Ed. and Ed.D., University of Virginia
President
- W. DAVID WATTS (1993) B.A., University of Texas at Austin; M.A. and Ph.D., State University of New York at Buffalo
Professor of Sociology and Vice President for Academic Affairs
- ABERCROMBIE, JERALD D. (1970) B.S., Jacksonville State College; M.S. and Ph.D., University of Alabama
Professor of Mathematics
- ADAMS, KENNETH (1977) A.B., Harvard University; Ph.D., Brandeis University
Professor of Sociology
- AKERS, RONALD T. (1971) B.S., M.A. and Ed.D., University of Alabama
Professor of Health and Physical Education
- AL-HAMDANI, SAFAA H. (1992) B.S., Baghdad University; M.S., Tuskegee Institute; Ph.D., Oklahoma State University
Assistant Professor of Biology
- ALLEN, JAMES B., JR. (1981) B.S. and M.S., University of Alabama; M.Ed., University of Alabama at Birmingham; Ph.D., University of Alabama
Associate Professor of Political Science
- AMAN, STANLEY G. (1989) B.S., M.Ed. and Ed.D., Auburn University
Professor of Technology
- ANDERSON, CARL H.C. (1963) B.M. and M.M., Louisiana State University
Associate Professor of Music
- ANGELETTE, CLARENCE J. (1965) B.S., Louisiana State University; M.A.T., Alabama College
Instructor of Physics and Engineering
- ARMSTRONG, RICHARD (1977) B.A., University of Alabama; M.M., Catholic University of America; Ph.D., University of Southern Mississippi
Professor of Music
- ARMSTRONG, STEPHEN W. (1982) B.A., Central Florida University; M.Ed. and Ph.D., University of Florida
Professor of Special Education
- AVENI, ADRIAN F. (1978) A.B., University of Michigan; M.S. and Ph.D., Purdue University
Professor of Sociology
- BALSER, CPT MICHAEL A. (1994) B.A., Christopher Newport College
Assistant Professor of Military Science
- BARKER, THOMAS (1977) B.A., Samford University; M.A. and Ph.D., Mississippi State University
Professor of Criminal Justice and Dean, College of Criminal Justice
- BARRY, HUBERT G. (1965) B.S., Jacksonville State College; M.A., Louisiana State University
Assistant Professor of Mathematics
- BAUCOM, THOMAS F. (1978) B.A., University of North Carolina; M.A., University of South Carolina; Ph.D., University of Georgia
Professor of Geography
- BELL, ANGELA (1982) B.S. and M.B.A., Jacksonville State University; D.B.A., Mississippi State University
Associate Professor of Accounting
- BELL, MORRIS RICHARD (1975) B.S. and M.S., Jacksonville State University
Instructor of Health and Physical Education

- BENNETT, DORIS (1986) B.A., Randolph-Macon Womens College; M.A. and Ph.D., University of Alabama
Associate Professor of Economics
- BENNETT, VELDON J. (1971) B.A. and M.A., Brigham Young University; Ph.D., University of Utah
Professor of Foreign Language
- BENSON, ROBERT W. (1983) B.A., University of Maryland; M.S.Ed., University of Southern California
Instructor of Criminal Justice
- BENTON, COLE (1977) B.S., Troy State University; M.S. and Ph.D., University of Alabama
Professor of Biology
- BERRY, WILBUR G. (1981) B.S. and M.A., University of Alabama
Assistant Professor of Accounting
- BEVIS, MARY D. (1983) B.S. and M.S., Jacksonville State University
Assistant Professor and Assistant Librarian
- BITGOOD, STEPHEN C. (1974) B.S., University of Massachusetts; M.A. and Ph.D., University of Iowa
Professor of Psychology
- BLANTON, RAYMOND E. (1971) B.A., M.A. and Ph.D., University of South Carolina
Professor of English
- BODIFORD, KENNETH G. (1994) B.S.Ed., Jacksonville State University; M.M., East Carolina University
Instructor of Music and Director of Bands
- BOGAN, MARGARET B. (1992) B.S., University of Miami; M.Ed. and Ph.D., University of South Florida
Assistant Professor of Education
- BORSTORFF, PATRICIA C. (1989) B.A., Samford University; M.A., University of Alabama; M.B.A., Jacksonville State University
Instructor of Management
- BOUGERE, MARILYN (1994) B.S., Jacksonville State University; M.S.N., University of Alabama at Birmingham
Instructor of Nursing
- BOWEN, WILLIAM R. (1990) A.B., Grinnell College; M.S. and Ph.D., State University of Iowa
Professor of Biology
- BROWDER, JOHN G. (1971) B.A., Presbyterian College; M.A. and Ph.D., Emory University
Professor of Political Science
- BROWN, JOHNNY M. (1987) B.A., University of North Alabama; M.Ed., Auburn University
Instructor, Center for Individualized Instruction
- BROWN, REBECCA J. (1974) B.S., Texas Tech University; M.A. and Ed.S., East New Mexico University; Ph.D., University of Mississippi
Professor of Education
- BROWN, SAMUEL B. (1983) B.M., Baylor University; M.M., West Texas State University; D.M.A., University of Colorado
Associate Professor of Music
- BROWN, THOMAS L. (1974) B.B.A., Texas Technology College; M.B.A., Eastern New Mexico University; Ph.D., University of Mississippi
Professor of Finance and Real Estate
- BRUER, THOMAS F. (1972) B.S., Middle Tennessee State University; M.A. and Ph.D., University of Tennessee
Professor of Political Science

- BRYAN, ROBERT W. (1994) B.S., Lehigh University; M.B.A., Western Carolina University
Instructor of Computer Science
- CADWALLADER, DIANA (1994) B.F.A., Arizona State University; M.F.A., Yale University
Assistant Professor of Art
- CAIN, LINDA LOUISE (1975) B.A., Jacksonville State University; M.L.S., University of Texas at Austin
Assistant Professor and Assistant Librarian
- CALDWELL, RONALD J. (1971) B.S., M.A. and Ph.D., Florida State University
Professor of History
- CAMP, GAIL H. (1976) B.S.N., Jacksonville State University; M.S.N., University of Alabama at Birmingham; Ed.D., University of Alabama
Professor of Nursing
- CARMODE, RALPH E. (1987) B.A., University of North Carolina; M.A., Brigham Young University; Ph.D., Pennsylvania State University
Professor of Communication
- CARR, WILLIAM D. (1982) B.A., University of Oklahoma; M.B.A., University of Texas at Austin; Ph.D., Florida State University
Professor of Education and Dean, College of Graduate Studies and Continuing Education
- CAVER, HELEN B. (1970) B.A., Miles College; M.S.L.S., Atlanta University; Ed.D., University of Sarasota
Associate Professor and Assistant Librarian
- CHANDLER, JERRY G. (1987) B.A., University of Texas at Austin; M.P.A., Jacksonville State University
Assistant Professor of Communication
- CHANDLER, LINDA N. (1970) B.S., Jacksonville State University; M.A., University of Alabama
Assistant Professor of Family and Consumer Sciences
- CHANEY, ELMER LEE, JR. (1962) B.A., Elon College; M.Ed., University of North Carolina
Assistant Professor of Educational Psychology
- CHAO, CHI CHIN (1989) M.C., National Cheng Chi University; M.A., M.S. and Ph.D., Bowling Green State University
Associate Professor of Mathematics and Computer Science
- CHEN, CHING-MING (1995) B.S., National ChengKung University; M.S. and Ph.D., Auburn University
Assistant Professor of Technology
- CHILDRESS, DAVID T. (1969) B.A., The Citadel; M.A. and Ph.D., Mississippi State University
Professor of History
- CHRISTOPHER, GENA E. (1991) B.S.Ed., Jacksonville State University; M.A.E., University of Alabama at Birmingham
Instructor of English
- CLAEREN, WAYNE H. (1975) B.A., Dickinson College; M.A. and Ph.D., University of Pittsburgh
Professor of Drama
- CLARK, LOUISE J. (1969) B.S., M.A. and Ph.D., University of Alabama
Professor of Business Statistics and Associate Dean, College of Commerce and Business Administration
- CLEMENTS, L. FREDERICK, JR. (1988) B.A., Emory and Henry College; M.F.A., Virginia Commonwealth University
Assistant Professor of Drama

- CLINE, GEORGE R. (1992) B.S., Indiana University of Pennsylvania; Ph.D., Oklahoma State University
Assistant Professor of Biology
- COBB, RICHARD (1975) B.A.M., Auburn University; M.B.A., Jacksonville State University; Ph.D., University of Alabama
Assistant Professor Management
- COSTELLO, JANICE (1992) B.A., Edgewood College; M.A.L.S., Rosary College; M.Ed., Delta State University
Assistant Professor and Assistant Librarian
- COX, A. BARRY (1967) B.S., Western Carolina College; Ph.D., University of South Carolina
Professor of Chemistry
- COX, CLYDE (1972) B.A. and M.A., City College of New York; Ph.D., University of Michigan
Professor of English
- CROOM, ANNIE P. (1994) B.S., Tuskegee Institute; M.A., University of Iowa; Ph.D., Florida State University
Assistant Professor of Health, Physical Education, and Recreation
- CROWE, MICHAEL (1975) B.S., University of Illinois; M.S., and Ph.D., University of Georgia
Professor of Psychology
- CUFF, JELENE BERRY (1982) B.A. and M.A., West Georgia College
Instructor of English
- CULVER, W. CHRISTOPHER (1992) B.M., Williamette University; M.M., University of Northern Colorado
Instructor of Music
- CURREN, GRINDLEY C. (1985) B.S., U.S. Military Academy; M.A., Teachers College, Columbia University
Instructor of Foreign Language and Director, International House
- CURRY, DEBORAH L. (1994) B.S., Jacksonville State University; M.S.N., University of Alabama at Birmingham
Instructor of Nursing
- CUSIMANO, ALICE N. (1988) B.S.Ed. and M.S., Jacksonville State University; Ed.D., University of Alabama
Assistant Professor of Education and Associate Vice President, Student Affairs
- CYPERT, CLIFFORD L. (1974) B.A., M.A. and Ph.D., Oklahoma University
Professor of Economics
- DALE, GLADIOLA W. (1989) B.A., Miles College; M.S., Atlanta University
Instructor of Mathematics and Computer Science
- DASINGER, NORMAN R. (1974) B.S. and M.S., Troy State University; Ed.D., Auburn University
Professor of Education
- DAVIS, GEORGE C. (1981) B.S., Northwestern State College of Louisiana; M.B.A., Western New England College
Instructor of Management
- DAVIS, HOPE P., JR. (1970) A.B., University of Georgia; M.A. and Ed.D., Ball State University
Professor of Political Science
- DAVIS, RANDALL C. (1991) B.A., Marietta College; M.A. and Ph.D., Ohio State University
Assistant Professor of English
- DAVIS, WILLIAM JERRY L. (1975) B.M., Murray State; M.S. and D.M.A., Eastman School of Music, University of Rochester
Professor of Music

- DAY, KENNETH W. H. (1990) B.S., Mount Allison University; M.B.A., Saint Mary's University; D.B.A., Southern Illinois University
Assistant Professor of Marketing
- DEBRO, LAJOYCE H. (1989) B.A., Spelman College; M.S., Atlanta University; Ph.D., Purdue University
Associate Professor of Biology
- DEMPSEY, J. WAYNE (1966) B.S., Jacksonville State College; M.S., University of Alabama
Assistant Professor of Mathematics
- DEMPSEY, SHARON (1985) B.S. and M.S.Ed., Jacksonville State University
Instructor of Mathematics
- DIAL, ARDIE JEAN (1993) B.A., M.P.A., J.D., Howard University
Assistant Professor of Criminal Justice
- DI BIASE, CARMINE G. (1993) B.A., Youngstown State University; M.A., Wright State University; Ph.D., Ohio State University
Assistant Professor of English
- DUNAWAY, CAROLYN B. (1974) B.S., Auburn University; M.A., University of Alabama; Ed.D., Auburn University
Associate Professor of Sociology
- DURRANT, GARY E. (1992) B.A., Ohio Wesleyan University; Ph.D., Indiana University
Assistant Professor of Biology
- EAGLE, CPT BETH J. (1994) B.S., University of Wisconsin at Madison
Assistant Professor of Military Science
- EASTERBROOKS, SUSAN R. (1983) B.S., University of Connecticut; M.M.Sc., Emory University; Ed.D., University of Georgia
Professor of Special Education
- EASTON, STANLEY E. (1990) B.A., Washington State University; M.Ed., and Ed.D., Louisiana State University
Professor of Education
- ELMORE, PATRICIA C. (1994) B.A., Tennessee State University; M.A., University of Alabama at Birmingham; Ph.D., Iowa State University
Assistant Professor of Education
- EMLICH, JANET (1993) B.A., Regis College, Denver; M.A., University of Alabama
Instructor of English
- ENGLEY, ELIZABETH A. (1985) B.S., Hood College; M.Ed. and Ph.D., University of Missouri-Columbia
Professor of Education
- EOFF, ROBYN L. (1985) B.A., University of Texas at Austin; M.S., Jacksonville State University; Ed.D., University of Alabama
Associate Professor of Communication
- FAGAN, MARK (1981) B.A., Jacksonville State University; M.S.W. and D.S.W., University of Alabama
Professor of Social Work
- FAIRLEIGH, JAMES P. (1980) B.M., University of Michigan; M.M., University of Southern California; Ph.D., University of Michigan
Professor of Music
- FELGAR, ROBERT P., III (1971) A.B., Occidental College; M.A. and Ph.D., Duke University
Professor of English
- FIELDING, WILLIAM T. (1968) B.S. and M.B.A., Auburn University; Ph.D., University of South Carolina
Professor of Economics

- FORD, DONNIE R. (1990) B.S., Jacksonville State University; M.A. and Ph.D., University of Alabama
Associate Professor of Computer Science
- FORD, DORIS C. (1980) B.S.N., Jacksonville State University; M.S.N. and D.S.N., University of Alabama at Birmingham
Professor of Nursing
- FOSTER, PORTIA L. (1980) B.S.N., Samford University; M.S.N. and D.S.N., University of Alabama at Birmingham
Associate Professor of Nursing
- FRANCIA, GUILLERMO A., III (1994) B.S., Mapua Institute of Technology; M.S., and Ph.D., New Mexico Institute of Mining and Technology
Assistant Professor of Computer Science
- FRANCIS, OUIDA SUSIE (1969) B.S., Jacksonville State University; M.A., University of Alabama; D.M.A., University of South Carolina
Associate Professor of Music
- FREEMAN, JANE H. (1975) B.S.N., University of Alabama; M.S.N., University of Alabama at Birmingham; Ed.D., University of Alabama
Associate Professor of Nursing
- FREEMAN, THOMAS JASPER (1961) B.S., Jacksonville State Teachers College; M.Ed., Auburn University; M.A., George Peabody College; Ph.D., University of Alabama
Professor and Assistant Librarian
- FRIERY, KATHLEEN A. (1974) B.A.T., Sam Houston State University; M.Ed. and Ed.D., Mississippi State University
Professor of Education
- FRIERY, RODNEY N. (1974) B.S. and M.Ed., Sam Houston State University; Ph.D., Mississippi State University
Professor of Sociology
- FRITH, GREG (1973) B.S., Huntingdon College; M.A. and Ed.D., University of Alabama
Professor of Special Education
- FULLER, FRANK C., JR. (1972) B.A., Berea College; M.S. and Ph.D., Virginia Polytechnic Institute and State University
Professor of Business Statistics
- GAMBLE, JUDITH (1993) B.A., University of Colorado, Denver; M.A. and Ph.D., University of Colorado, Boulder
Assistant Professor of History
- GANT, FRED ALLEN (1967) B.S., M.S. and Ph.D., University of Alabama
Professor of Chemistry
- GANTT, ELISE (1983) B.A., University of Alabama; M.B.A., Jacksonville State University
Assistant Professor of Accounting
- GATES, JOANNE E. (1987) B.A., Vassar College; M.F.A. and Ph.D., University of Massachusetts
Associate Professor of English
- GEE, GARY E. (1980) B.A., Emory & Henry College; B.F.A. and M.F.A., University of Tennessee
Associate Professor of Art
- GILBERT, JERRY D. (1971) B.S.Ed., M.A. and Ph.D., Texas Tech University
Professor of Political Science
- GILLAM, GENE M. (1977) B.S. and M.S., Jacksonville State University; Ph.D., Florida State University
Professor of Health and Physical Education
- GOLDEN, JAMES E. (1988) B.B.A. and M.A., Memphis State University; D.B.A., Mississippi State University
Professor of Marketing

- GOODMAN, PATRICIA A. (1981) B.S., Jacksonville State University; M.S.N., University of Alabama at Birmingham; Ph.D., University of Texas at Austin
Associate Professor of Nursing
- GOODWIN, DEBRA (1982) B.S., Jacksonville State University; M.A., University of Alabama at Birmingham
Instructor of Family and Consumer Sciences
- GRAHAM, ROBERT G. (1985) B.S., Jacksonville State College; M.B.A., Tulane University
Instructor of Finance
- GRANGER, M. PARKER, II (1973) B.S. and M.B.A., Jacksonville State University; Ph.D., University of Arkansas
Professor of Accounting
- GRAY, KAY H. (1984) B.S., Jacksonville State University; M.Ed., University of Montevallo
Instructor of Computer Science
- GREGG, KELLY D. (1992) B.S., M.S. and M.A., Kansas State University; Ph.D., University of Kansas
Assistant Professor of Geography and Anthropology
- GROOVER, CHARLES L. (1989) B.F.A. and M.F.A., University of Alabama
Professor of Art
- GUICE, EVELYN (1983) B.S. and M.S.N., University of Alabama at Birmingham; Ph.D., University of Alabama
Associate Professor of Nursing
- HAMMETT, JOHN B. (1989) B.S.Ed. and M.S.Ed., Jacksonville State University; Ph.D., University of Southern Mississippi
Associate Professor of Health, PE and Recreation
- HALE, JUDY (1994) B.A., David Lipscomb College; M.Ed., Alabama Agricultural and Mechanical University; Ph.D., Mississippi State University
Assistant Professor of Education
- HAPPEL, CPT DONALD A. (1994) B.A., Western Michigan University
Assistant Professor of Military Science
- HARPER, CYNTHIA (1975) B.S. and M.S.Ed., Jacksonville State University; Ed.D., University of Alabama
Associate Professor of Special Education
- HARRIS, GWENDOLYN (1977) B.A. and M.S., Jacksonville State University
Instructor of Instructional Media
- HARRIS, RONNIE RAY (1966) B.S. and M.S., Jacksonville State University; Ed.D., University of Alabama
Professor of Physical Education
- HAWKES, BRENT (1994) B.S. and B.A., Brigham Young University; M.A., Arizona State University
Instructor of Education
- HAYNES, SLEND A. J. (1990) B.S. and M.S., Jacksonville State University; Ed.D., Oklahoma State University
Assistant Professor of Education
- HEAD, L. QUINN (1969) B.A., Birmingham-Southern College; M.A. and Ph.D., University of Alabama
Professor of Educational Psychology
- HEARN, W. MARK (1989) B.S. and M.B.A., University of North Alabama; Ph.D., University of Arkansas
Assistant Professor of Management
- HEMBREE, ANGELA BETH (1982) B.S., Jacksonville State University; M.S.N. and D.S.N., University of Alabama at Birmingham
Professor of Nursing

- HENDERSON, WILLIAM A. (1989) B.A., University of Massachusetts; M.S., Simmons College; M.A., University of Alabama
Assistant Professor and Assistant Librarian
- HENDRIX, THERON D. (1989) B.S., Jacksonville State University; M.S., Georgia Institute of Technology
Instructor of Computer Science
- HENNING, ARLAND B. (1985) B.A., Luther College; M.S., Florida State University
Instructor and Assistant Librarian
- HENRICKS, KAREN I. (1987) B.A., M.A. and Ph.D., University of Missouri
Assistant Professor of Art
- HIGGINBOTHAM, JERI W. (1991) B.S., Bethany College; M.S. and Ph.D., University of North Carolina at Chapel Hill
Assistant Professor of Biology
- HILL, LESTER (1977) B.A., Auburn University; M.A., University of Alabama; Ph.D., University of Texas at Austin
Professor of Sociology
- HOLLIS, DANIEL W., III (1971) B.A., University of Georgia; M.A., Auburn University; Ph.D., Vanderbilt University
Professor of History
- HOLLOWAY, JANE R. (1995) B.S.Ed., Jacksonville State University; M.M., University of Louisville
Instructor of Music
- HOLSTEIN, HARRY (1978) B.A., California State College; Ph.D., University of Pittsburgh
Professor of Anthropology
- HORSFIELD, CHRISTOPHER H. (1966) B.S., University of the South; M.A., Duke University; Ph.D., University of Alabama
Professor of Mathematics and Associate Dean, College of Letters and Sciences
- HORTON, GLORIA P. (1989) B.S.Ed. and M.A., University of Alabama
Instructor of English
- HUBBARD, WILLIAM J. (1988) B.A., Dartmouth College; M.L.S., State University of New York College at Geneseo
Professor and University Librarian
- HUG, WILLIAM J. (1987) B.A. and M.A., University of Dallas; Ph.D., Auburn University
Associate Professor of English
- HUNTER, RONALD D. (1989) B.S., M.S.P.A., M.S. and Ph.D., Florida State University
Associate Professor of Criminal Justice
- HYMER, ROBERT C. (1982) B.S., Rockhurst College; M.A., University of Missouri, Kansas City; Ed.D., University of Northern Colorado
Professor of Education and Dean, College of Education
- JACKSON, CONSTANCE MARIE (1990) B.S. and M.S., Jacksonville State University; Ed.D., University of Alabama
Assistant Professor of Education
- JACKSON, HARVEY H. (1990) B.A., Birmingham-Southern College; M.A., University of Alabama; Ph.D., University of Georgia
Professor of History
- JACKSON-FIELDS, MYRTICE (1973) B.S., M.S., and Ed.D., Tennessee State University
Assistant Professor of Music
- JENKINS, MARVIN C. (1987) B.S., State College of Arkansas; M.S. and Ed.D., University of Southern Mississippi
*Assistant Professor of Education and
Director of Counseling and Career Services*

- JOHNSON, HOWARD G. (1973) B.A. and M.A., Valparaiso University; Ph.D., Michigan State University
Professor of Geography
- JOHNSON, MARILYN VAIL (1989) B.S.Ed. and M.S.Ed., Jacksonville State University
Instructor of Mathematics and Computer Science
- JONES, GAIL GRAHAM (1973) J.D., University of Alabama
Professor of Finance and Real Estate
- KELLEY, JAMES FREDERICK, JR. (1990) B.A., M.A. and Ph.D., University of Alabama
Associate Professor of Mathematics
- KING, FRANKLIN (1972) B.A., University of Texas at Austin; M.S. and Ed.D., East Texas State University
Professor of Instructional Media
- KINNEY, RUFUS D. (1984) B.A., Washington and Lee University; M.A., University of Montevallo
Instructor of English
- KIRBY, FLOYD W. (1979) B.S., Jacksonville State University; M.A., University of Alabama
Assistant Professor of Accounting
- KLIMASEWSKI, THEODORE J. (1974) B.S., Central Connecticut State University; M.A. and Ed.S., George Peabody College at Vanderbilt University; Ph.D., University of Tennessee
Professor of Geography
- KNAPP, JOEL (1993) B.M.E., Wichita State University; M.M. and D.M.A., University of Missouri, Kansas City
Associate Professor of Music
- KNIGHT, MARTHA (1985) B.S., M.S. and Ed.S., Jacksonville State University
Instructor of Mathematics
- KOEHLER, WILLIAM F. (1984) B.S., Pennsylvania State College; M.B.A., Jacksonville State University; Ph.D., University of Alabama at Birmingham
Assistant Professor of Marketing
- KOERPER, PHILLIP E. (1969) B.A., Florida Southern College; M.A. and Ph.D., University of Georgia
Professor of History
- KOSS, RONALD G. (1989) B.A., University of Wisconsin; M.A. and Ph.D., University of Florida
Assistant Professor of Foreign Language
- LATHAM, SARAH VINES (1982) B.S.N., M.S.N. and D.S.N., University of Alabama at Birmingham
Professor of Nursing
- LAVENDER, MARTHA GRIFFITH (1984) B.S.N., Jacksonville State University; M.S.N. and D.S.N., University of Alabama at Birmingham
Professor of Nursing
- LEMMONS, RUSSEL (1993) B.A., Franklin College, Indiana; M.A. and Ph.D., Miami University, Ohio
Assistant Professor of History
- LOFTIN, WILLIAM E. (1978) B.S. and M.B.A., Northeast Louisiana State College; D.B.A., Mississippi State University
Professor of Management
- LOUCKS, STEVE EARL (1987) B.F.A., University of Illinois; M.F.A., Alfred University
Assistant Professor of Art
- LOWRY, PATRICIA KRAMER (1987) B.S. and M.Ed., Georgia State University; Ed.D., University of Southern Mississippi
Associate Professor of Education

- McABEE, SONJA L. (1990) B.A., Jacksonville State University; M.L.S., University of Alabama
Assistant Professor and Assistant Librarian
- McCAIN, HUGH B., JR. (1975) B.A., M.A. and Ph.D., Emory University
Professor of Sociology
- McCAIN, SUSAN (1995) B.A. and M.F.A., University of Alabama
Instructor of Drama
- McCARTY, CYNTHIA S. (1990) B.S., Auburn University; M.B.A., Samford University; Ph.D., University of North Carolina
Assistant Professor of Economics
- McCORMICK, MARTHA C. (1984) B.S., Auburn University; M.S., Wright State University
Instructor of Computer Science
- McCORMICK, MICHEAL B. (1984) B.S., University of Oregon; M.B.A. and Ph.D., University of Missouri-Columbia
Professor of Management
- McDADE, CLAUDIA E. (1974) B.S., M.A. and Ph.D., Louisiana State University
Professor of Psychology
- McGAREY, DONALD J., JR. (1993) B.S. and M.S., Louisiana State University; Ph.D., University of South Florida
Assistant Professor of Biology
- MARBUT, TERRY M. (1987) B.S. and M.S.E.E., University of Alabama at Birmingham
Instructor of Technology
- MARKER, MICHAEL (1978) B.S. and M.B.A., Jacksonville State University; Ph.D., University of Alabama
Assistant Professor of Management
- MARSENGILL, JOHN D. (1971) B.M., Oklahoma Baptist University; M.M. and D.M., Florida State University
Professor of Music and Dean, College of Communication and Fine Arts
- MARSHALL, SUZANNE (1992) B.A., Kennesaw College; M.A. and Ph.D., Emory University
Assistant Professor of History
- MEDLEY, WILLIAM A. (1972) B.S., Florida Southern College; M.Ed. and Ed.D., University of Mississippi
Professor of Education and Associate Dean, College of Education
- MEEHAN, WILLIAM A. (1977) B.S. and M.S., Jacksonville State University
Instructor of Biology and Associate Vice President for Academic Affairs
- MERICLE, GAYLE (1993) B.S., West Illinois University; M.S., Lewis University; Ph.D., Florida State University
Assistant Professor of Criminal Justice
- MERRILL, MARTHA (1974) B.A., Birmingham-Southern College; M.S., Jacksonville State University; Ph.D., University of Pittsburgh
Professor of Instructional Media
- MERRIMAN, JOHN C. (1976) B.M. and M.M., University of Wisconsin; M.F.A. and D.M.A., University of Iowa
Professor of Music
- METHVIN, SUSAN HERPORT (1989) B.A., Saint Francis College; M.F.A., Warren Wilson College
Instructor of English
- MEYER, DAN (1993) B.B.A., University of Mississippi; M.S., Purdue University; Ph.D., University of Missouri
Assistant Professor of Accounting
- MILEWICZ, JOHN C. (1989) B.S., M.S. and Ph.D., University of Alabama
Professor of Marketing

- MILLER, GEORGE E. (1989) B.S., M.Ed. and Ed.D., University of Maryland
Professor of Education and Vice President for Business Affairs
- MIMS, AQUILLA A. (1984) B.S. and M.S., Troy State University; Ed.D., University of Alabama
Professor of Special Education
- MYERS, KAREN G. (1991) B.S., Ball State University; M.S.Ed., Jacksonville State University
Instructor of Computer Science
- NELSON, J. GORDAN (1994) B.A., Los Angeles State College; M.A., California State University; Ph.D., University of Wisconsin, Madison
Associate Professor of Education
- NEMETH, KAREN (1976) B.S. and M.S., University of Alabama
Instructor of Family and Consumer Sciences
- NICHOLS, DAVID (1981) B.A. and M.Ed., University of Montevallo; Ed.D., University of Alabama
Associate Professor of Criminal Justice and Director of Public Safety
- NICHOLS, TERESA M. (1990) B.A. and M.Ed., University of Montevallo; Ph.D., University of Alabama
Associate Professor of Education and Director of Clinical Experiences
- NUTTALL, HARRY (1985) B.A., Louisiana Polytechnic Institute; M.A. and M.L.S., Louisiana State University
Assistant Professor and Assistant Librarian
- OLANDER, CHARLES (1978) B.S., M.S., and Ph.D., University of Nebraska
Professor of Biology
- OSTERBIND, CARTER C. (1980) B.A., Southwestern at Memphis; B.F.A., M.F.A. and M.Ed., University of Florida
Associate Professor of Art
- OWENS, LYNETTA A. (1994) B.A., Talladega College; M.A., University of Alabama
Instructor of Education
- PADGHAM, GENE L. (1981) B.S., State University of New York, College of Forestry; M.B.A., Jacksonville State University
Instructor of Finance and Real Estate
- PALYA, WILLIAM L. (1978) B.S., University of Alabama; M.S. and Ph.D., University of Western Ontario
Professor of Psychology
- PARKER, PATRICIA (1982) B.M. and M.M., University of Michigan; D.M., Florida State University
Assistant Professor of Music
- PARKER, RACHEL JONES (1978) B.A., Judson College; M.L.S., University of Alabama
Assistant Professor and Assistant Librarian
- PATTERSON, DONALD (1971) B.A., Illinois Wesleyan University; Ph.D., Texas Christian University
Professor of Psychology
- PATTIS, LTC JOHN STEVEN (1995) B.B.A., Idaho State University; M.A., Webster University
Professor of Military Science
- PAXTON, DONALD (1977) B.S. and M.S., Oklahoma State University; Ph.D., Tulane University
Professor of Economics
- PETERS, MARY JANE (1981) B.A., Duke University; M.B.A., Jacksonville State University
Instructor of Computer Science
- PETERS, R. DOUGLAS (1973) B.S., Gulford College; M.S. and Ph.D., University of Georgia
Professor of Psychology

- POORE, RAYMOND E. (1965) B.S., Jacksonville State Teachers College; M.Ed., University of Georgia; Ph.D., Vanderbilt University
Professor of Chemistry
- POPE, MARGARET (1975) B.S., Alabama College; M.A. and Ed.D., University of Alabama
Professor of Health and Physical Education
- POWE, JAMES E. (1994) B.S., Rust College; M.S.W., Washington University
Instructor of Sociology
- PRENTISS, NORMAN D. (1993) B.A., Washington College; M.A. and Ph.D., Washington University
Assistant Professor of English
- PRICKETT, DEBORAH W. (1992) B.S.Ed. and M.S.Ed., Jacksonville State University
Instructor of English
- REAVES, JERRY (1981) B.I.E. and M.S., Auburn University
Instructor of Computer Science
- REMER, JEANETTE H. (1963) B.S., Jacksonville State Teachers College; M.S., Jacksonville State University
Instructor and Assistant Librarian
- REYNOLDS, JAMES ARDEN (1970) B.A., Wartburg College; M.A. and Ed.D., University of Georgia
Professor of Physical Education
- ROBERTS, BRENDA JOYCE (1978) B.S.N., Jacksonville State University; M.S.N. and D.S.N., University of Alabama at Birmingham
Professor of Nursing
- ROBERTS, JAMES E. (1974) B.M. and B.M.Ed., University of Hartford; M.A. and D.M.A., University of Iowa
Professor of Music
- ROBINSON, PETER E. (1964) B.A., Delta State University; M.A. and Ph.D., Mississippi State University
Professor of History
- ROMANO, FRANK A. (1989) B.S., Ohio University; Ph.D., Syracuse University
Associate Professor of Biology
- ROSE, HARRY (1965) B.A., David Lipscomb College; M.A., Western Kentucky College; Ed.D., University of Cincinnati
Professor of Education
- ROSWAL, GLENN (1978) B.S., Jacksonville State University; M.A., University of Florida; Ph.D., University of Maryland
Professor of Physical Education
- ROY, JOYCE R. (1975) B.A. and M.A., University of Mississippi; Ed.D., Auburn University
Professor of Education
- RUSH, JEFFREY P. (1987) B.S., M.A., M.S., M.P.A. and D.P.A., University of Alabama at Birmingham
Assistant Professor of Criminal Justice
- RYAN, KELLY W. (1990) B.S., University of Alabama at Birmingham; M.S., Jacksonville State University; Ed.D., University of Alabama
Assistant Professor of Education and Coordinator of University Testing
- SASKA, RONALD (1990) B.M. and M.M., Michigan State University; M.L.S., Syracuse University
Associate Professor of Library Science
- SAUTERER, ROGER (1993) B.A., Oberlin College, Ohio; Ph.D., State University of New York
Assistant Professor of Biology

- SAVAGE, RALPH L. (1972) B.A., M.A. and Ph.D., University of Southern Mississippi
Professor of Political Science
- SCHMITZ, DONALD R. (1972) B.S., Troy State University; M.Ed. and Ed.D., Auburn University
Associate Professor of Education
- SCROGGINS, WILLIAM A., JR. (1979) B.S. and M.B.A., Jacksonville State University; D.B.A., Mississippi State University
Associate Professor of Finance and Real Estate
- SEAGLE, SHIRLEY M. (1977) B.A., University of Chattanooga; M.A., University of Tennessee; M.S., Texas Christian College; Ph.D., University of Texas at Austin
Professor of Biology
- SEAY, SHARON (1992) B.S., West Georgia College; M.P.A., Georgia State University; Ph.D., University of Georgia
Assistant Professor of Accounting
- SEWASTYNOWICZ, JAMES (1980) B.A., State University of New York at Buffalo; M.A. and Ph.D., Ohio State University
Professor of Anthropology
- SHAVER, MAJ. CHARLES F. (1994) B.S., U.S. Military Academy; M.B.A., Ball State University
Assistant Professor of Military Science
- SHAW, MARVIN L. (1971) B.F.A. and M.F.A., University of Alabama
Associate Professor of Art
- SHIREY, RODNEY D. (1966) B.S., Jacksonville State College; M.A., University of Alabama
Assistant Professor of Mathematics
- SMART, JANET L. (1992) B.A., East Texas State University; M.A., University of Alabama
Instructor of English
- SMITH, DONNA K. (1984) B.S., Jacksonville State University; M.S.S.W., University of Tennessee
Instructor of Social Work
- SMITH, EDWIN H. (1995) B.S., M.S., Ph.D., Auburn University
Assistant Professor of Mathematics
- SMITH, GEORGIA B. (1991) B.S., University of North Alabama; M.S., University of Alabama at Birmingham
Instructor of Criminal Justice
- SMITH, JERRY DORAN (1973) B.S.Ed. and M.S., Jacksonville State University; Ed.D., University of Alabama
Associate Professor of Education and Dean of Admissions and Records
- SMITH, JERRY L. (1970) B.S. and M.A., West Texas State University; Ph.D., Texas Tech University
Professor of Political Science
- SMITH, JOHNNY L. (1965) B.S., Jacksonville State University; M.S., University of South Carolina; Ed.D., University of Alabama
Associate Professor of Mathematics
- SMITH, THOMAS ALLEN (1971) B.S. and M.S., Auburn University; Ph.D., University of Mississippi
Professor of Psychology
- SOWELL, ELIZABETH S. (1965) B.S., Auburn University; M.S., State University of Iowa; Ph.D., University of Tennessee
Professor of Family and Consumer Sciences
- STINSON, MARY E. (1990) B.S.Ed. and M.S., Jacksonville State University; Ph.D., University of Alabama
Assistant Professor of Education

- STONE, SANDRA (1990) B.S., M.B.A. and M.S.Ed., Jacksonville State University
Instructor of Family and Consumer Sciences
- STUDDARD, A. L., JR. (1969) B.S., University of Alabama; M.S., Alabama College;
Ph.D., University of Alabama
Professor of Chemistry
- STYRES, KATHRYN (1993) B.S.N., Samford University; M.S.N., Mississippi University
for Women; Ed.D., University of Alabama
Assistant Professor of Nursing
- SUAREZ-CROWE, YOLANDA (1975) B.A., Colegio Universitario del Sagrado Corazon;
M.S. and Ph.D., University of Georgia
Professor of Psychology
- SUCO, TERESITA (1985) B.A., Alabama College; M.A., University of Alabama
Assistant Professor of Foreign Language
- SUDDUTH, SANDRA (1994) A.B., Talladega College; M.S.Ed., Jacksonville State
University
Instructor of Education
- SULLIVAN, EDWARD J. (1992) B.S., St. Peters College; M.A. and Ph.D., Pennsylvania
State University
Associate Professor of Finance
- TAYLOR, DOUGLAS (1982) B.S., Youngstown State University; M.S. and M.L.S.,
University of Kentucky
Assistant Professor and Assistant Librarian
- TAYLOR, RAYFORD B. (1963) A.B., Birmingham-Southern College; M.A., University of
Virginia; Ph.D., University of Georgia
Professor of History
- THOMPSON, PAUL W. (1974) B.S., Louisiana State University; Ph.D., Duke University
Professor of Economics
- THORNHILL, BONNIE T. (1976) B.S.N., University of Alabama; M.S.N., Medical
College of Georgia; D.S.N., University of Alabama at Birmingham
Associate Professor of Nursing
- TRIVOLI, GEORGE W. (1990) B.S., Grove City College; M.B.A., Duquesne University;
Ph.D., University of Virginia
Eminent Scholar and Professor of Finance
- TURNER, REBECCA O. (1981) B.A., University of Montevallo; M.S.W. and D.S.W.,
University of Alabama
Assistant Professor of Social Work
- TYLER, GEORGE TRACY (1981) B.A., Shepherd College; M.M., University of Northern
Colorado
Instructor of Music
- ULINE, CAROL (1978) B.A., Xavier College; M.Ed., Chicago State University; Ed.D.,
University of Alabama
Associate Professor of Education
- VALLO, VICTOR (1993) B.M.E., Syracuse University; M.M., George Washington
University; Ph.D., University of Florida
Assistant Professor of Music
- WADE, J. E. (1986) B.A., Valdosta State College; M.A., Auburn University; Ph.D.,
University of Georgia
Professor of History and Dean, College of Letters and Sciences
- WALKER, J. CHARLES (1973) B.A., Millsaps College; M.Ed., Mississippi College; J.D.,
Jackson School of Law; Ph.D., University of Southern Mississippi
Professor of Education
- WALLACE, DAVID C. (1987) B.S., Southwestern at Memphis; M.A., University of
Arkansas
Instructor of English

- WARD, R. CARLTON (1973) B.A., Virginia Polytechnic Institute and State University; M.F.A., University of North Carolina
Professor of Drama
- WATTS, ROBERTA O. (1969) B.S.N., Tuskegee Institute; M.S.N., Emory University; Ed.D., University of Alabama
Professor of Nursing and Dean, College of Nursing
- WEAR, BETTY (1978) B.A., University of Montevallo; M.S., University of North Carolina
Instructor and Assistant Librarian
- WHETSTONE, RAYMOND D. (1978) B.S. and M.A., Jacksonville State University; Ph.D., University of North Carolina
Professor of Biology
- WHITE, JAMES STEPHEN (1979) B.S. and M.S., Tennessee Tech University; Ph.D., Auburn University
Professor of Mathematics
- WHITE, RONALD (1978) B.S., M.S. and Ph.D., Auburn University
Professor of Engineering/Computer Science
- WHITESEL, GEORGE (1975) B.A., Miami University; M.A., Columbia University; M.L.S., University of Michigan; Ph.D., Michigan State University
Professor and Assistant Librarian
- WHITTON, STEVEN J. (1973) B.A., M.A. and Ph.D., University of South Carolina
Professor of English
- WILLIAMS, CONNIE (1994) B.S.Ed. and M.S.Ed., Jacksonville State University
Instructor, Center for Individualized Instruction
- WILLIAMS, EUGENE J. (1984) B.A., Auburn University; M.A., University of Florida
Instructor of English
- WILLIAMS, J. FRED (1987) B.S., Ohio State University; M.A., Ball State University
Instructor of Technology
- WILLIAMS, JIMMIE NELL (1968) B.S., Florence State College; M.A., George Peabody College for Teachers
Instructor and Assistant Librarian
- WILLIAMS, LISA M. (1987) B.S. and M.A., Auburn University
Instructor of English
- WILLIAMS, MARY T. (1987) B.S., M.Ed. and Ph.D., Louisiana State University
Associate Professor of Education
- WILSON, BARBARA T. (1974) B.S., Jacksonville State University; M.S., University of Alabama
Instructor of Health and Physical Education
- WILSON, JERRY B. (1967) B.A., Wake Forest College; B.D., Duke Divinity School; Ph.D., Emory University
Professor of Philosophy
- WOOD, RANDAL L. (1987) B.S., Jacksonville State University; J.D., Cumberland School of Law
Associate Professor of Criminal Justice
- WOODWARD, BASCOM (1972) B.S., M.A. and Ed.D., University of Alabama
Associate Professor of Education and Vice President for Student Affairs
- WOODY-RAMSEY, JANET (1993) B.A., Memphis State University; M.S. and Ph.D., University of Florida
Assistant Professor of Psychology
- WOOSTER, JULIA (1989) B.S. and M.S., Jacksonville State University
Instructor of English
- YEH, PU-SEN (1967) B.S., National Taiwan University; M.S., University of Illinois; Ph.D., Rutgers University
Professor of Engineering

YOCUM, VIRGINIA (1971) B.S., Jacksonville State University; M.A. and Ed.D., University of Alabama

Professor of Family and Consumer Sciences

YUNKER, BARBARA D. (1992) B.A., University of Winnipeg; M.S., Jacksonville State University; Ph.D., University of Alabama

Assistant Professor of Education

YUNKER, GARY (1980) B.A., Willamette University; M.A. and Ph D., Southern Illinois University

Professor of Management

ZENANKO, MARSHA M. (1989) B.S., Jacksonville State University; M.S., George Peabody College for Teachers; Ph.D., Vanderbilt University

Assistant Professor of Education

ZUELKE, DENNIS C. (1992) B.S. and M.S., University of Wisconsin, Milwaukee; Ph D., University of Wisconsin, Madison

Associate Professor of Education



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 |

INDEX

| | |
|--|--------------|
| ACT | 11-12 |
| Academic Standards/Forgiveness/Second Chance | 33-36 |
| Accounting | 58-59 |
| Administrative Officials | 208 |
| Admission Requirements | 10-15 |
| Anthropology | 150-151 |
| Application for Degree | 29-30, 36 |
| Art | 67-72 |
| Athletics | 45-46 |
| Attendance at Class | 36 |
| Audit (Course) | 31 |
| Bachelor of Arts Degree | 48 |
| Bachelor of Arts in General Studies | 48 |
| Bachelor of Fine Arts | 48 |
| Bachelor of Music | 49 |
| Bachelor of Music Education | 49 |
| Bachelor of Science Degree | 48-49 |
| Bachelor of Science in Education | 49 |
| Bachelor of Social Work | 49 |
| Biology | 130-138 |
| Board of Trustees | 6 |
| Botany (See Biology) | |
| CLEP | 38 |
| Calendar | 2-4 |
| Candidates for Degrees | 36 |
| Catalogue Time Limits | 29-30 |
| Center for Individualized Instruction | 44 |
| Chemistry | 166-168 |
| Class Size | 36 |
| Commerce and Business Administration, College of | 51-66 |
| Communication | 72-75 |
| Communication and Fine Arts, College of | 67-89 |
| Computer Integrated Manufacturing Systems Technology | 201 |
| Computer Science and Information Systems | 157, 162-166 |
| Cooperative Education Program | 207 |
| Core Curriculum | 47 |
| Corrections | 94-95 |
| Counseling Center | 43 |
| Credit by Challenge | 38 |
| Criminal Justice, College of | 90-96 |
| Curriculum and Instruction | 101-110 |
| Dietetics | 124-125 |
| Disciplinary Policy | 39 |
| Drama | 75-78 |
| Duplication of Courses | 36 |
| Early Childhood Education | 101-105 |
| Economics | 60-64 |
| Education, College of | 97-129 |
| Educational Psychology | 112 |
| Educational Resources | 111-113 |
| Electronics Technology | 200-206 |
| Elementary Education | 103-105 |

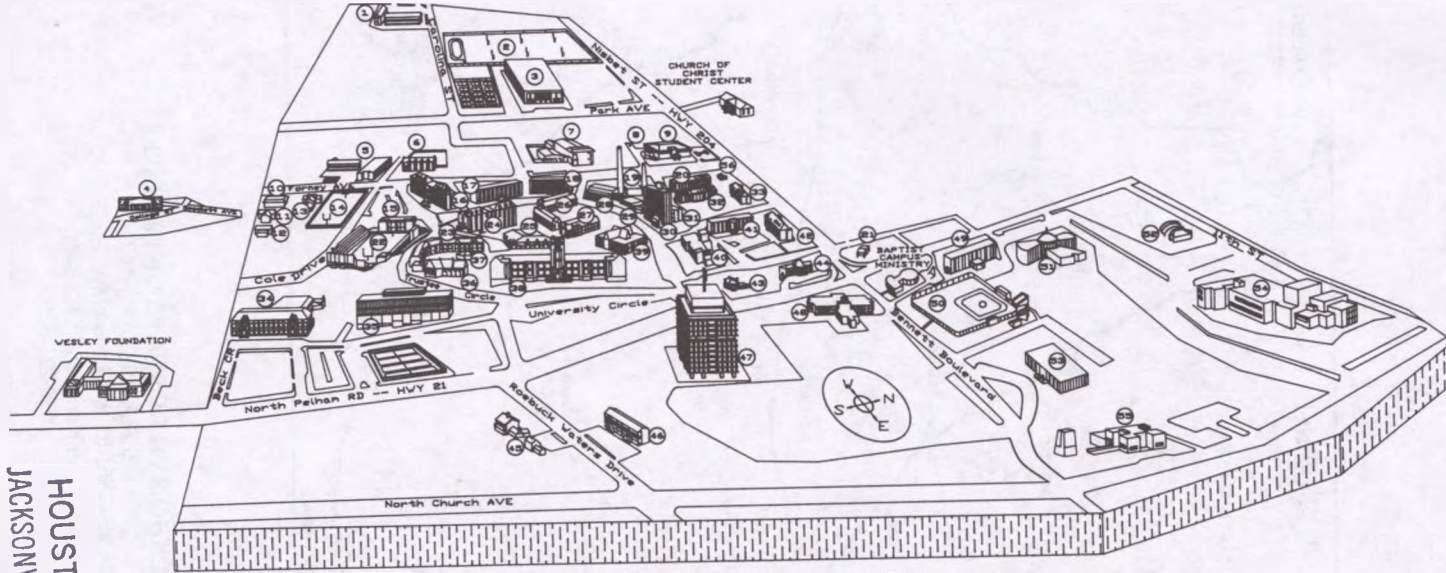
| | |
|---|--------------|
| Emotionally Conflicted | 105-108 |
| Engineering | 171-173 |
| English | 138-142 |
| ExSEL | 12 |
| Faculty | 217-232 |
| Family and Consumer Science | 122-129 |
| Finance and Business Statistics | 60-61 |
| Financial Aid | 21-27 |
| Financial Policy | 16-20 |
| Foreign Language | 143-146 |
| Forensic Investigations | 95-96 |
| French | 143-144 |
| Gadsden, J.S.U. in | 15 |
| General Studies | 48 |
| Geography | 147-151 |
| Geology | 151 |
| German | 144-145 |
| Gerontology | 185 |
| Grades and Quality Points | 31-33 |
| Graduation Requirements | 29-30, 47-49 |
| Health and Physical Education | 114-122 |
| Hearing Impaired | 110 |
| History | 152-155 |
| Home Economics | 122-129 |
| Honors | 33 |
| Housing | 28 |
| Instructional Media | 112 |
| Instructional Services | 44 |
| Institutional Credit | 32 |
| Interdisciplinary Science | 171 |
| International House | 46 |
| Journalism | 74 |
| Key to Departmental/Course Abbreviations | 233 |
| Law Enforcement | 93-94 |
| Learning Skills | 156 |
| Letters and Sciences, College of | 130-190 |
| Management | 64-65 |
| Marine Biology | 135-137 |
| Marketing | 65-66 |
| Mathematics | 157-161 |
| Mentally Retarded | 109 |
| Merchandising | 123-124 |
| Military Science | 196-199 |
| Mission of the University | 7-8 |
| Music | 78-89 |
| Nursery School | 43 |
| Nursing, College of | 191-195 |
| Occupational Safety and Health Technology | 200-206 |

| | |
|--|--------------|
| Philosophy, Ethics, and Religion | 180 |
| Physical Sciences | 168-173 |
| Physics | 168-170 |
| Placement Services | 43 |
| Political Science | 174-179 |
| Pre-Professional Courses | 49-50 |
| Probation, Academic | 10, 33-35 |
| Psychology | 180-183 |
| Recreation (See Health & PE) | |
| Registration and Late Entrance | 30 |
| Restaurant and Foodservice Management | 125-126 |
| Room and Board | 17-18 |
| Second Chance (See Academic Standards) | |
| Secondary Education | 111 |
| Security Administration | 96 |
| Servicemembers Opportunity College (SOC) | 38 |
| Social Work | 184, 187-190 |
| Sociology | 184-189 |
| Spanish | 145-146 |
| Special Education | 105-110 |
| Staff | 209-216 |
| Statistics | 63-64 |
| Student Health Center | 43-44 |
| Suggestions for Prospective Students | 15 |
| Suspension | 10-11, 33-34 |
| Teacher Education | 97-101 |
| Technology | 200-206 |
| Tests and Examinations | 36-37 |
| Transfer Credit | 13-14 |
| Transient Credit | 14 |
| Tuition, Fees | 16-20 |
| Withdrawals | 19-20, 35-36 |
| Zoology (See Biology) | |

- 27 — Abercrombie Hall
- 45 — Alumni House
- 52 — Amphitheater
- 37 — Anders Hall
- 15 — Athletic Field House
 - University Police
- 40 — Ayers Hall
- 38 — Bibb Graves Hall
- 49 — Brewer Hall
- 10 — Building Services
 - 5 — Campus Inn Apartments
 - 8 — Car Wash
- 46 — College Apartments
- 32 — Crow Hall
- 16 — Curtiss Hall
- 23 — Daugette Hall
- 14 — Dillon Field
- 20 — Dixon Hall
 - 7 — Duncan Maintenance Shop
- 24 — Fitzpatrick Hall
- 4 — Forney Hall
- 41 — Glazner Hall
- 36 — Hammond Hall
- 19 — Heating Plant
- 47 — Houston Cole Library
- 21 — Information Center
- 44 — International House
 - 2 — Intramural Field
- 25 — Jack Hopper Dining Hall
 - Leone Cole Auditorium
 - McCluer Chapel
- 42 — Logan Hall
- 31 — Luttrell Hall
- 48 — Martin Hall
- 28 — Mason Hall
- 51 — Merrill Hall
- 26 — Pannell Hall
- 33 — Patterson Hall
- 22 — Paul Snow Stadium
 - 1 — Penn House Apartments
 - 3 — Pete Mathews Coliseum
- 43 — President's House
- 39 — Ramona Wood Hall
- 56 — Rock House
- 18 — Rowan Hall
- 55 — Rowe Hall
 - 6 — Salls Hall
 - 9 — Self Hall
- 30 — Sparkman Hall
- 34 — Stephenson Hall
 - Gamecock Center
- 54 — Stone Center
- 11 — Storage
- 12 — Storage
- 13 — Storage
- 35 — Theron Montgomery Student Commons Building
 - Bookstore
- 50 — University Field
- 53 — Wallace Hall
- 17 — Weatherly Hall
- 29 — Williams Infirmary

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Map by: J.G. Landers April, 1991 Department of Technology, JSU. Revised October, 1994 By E.A. Parris

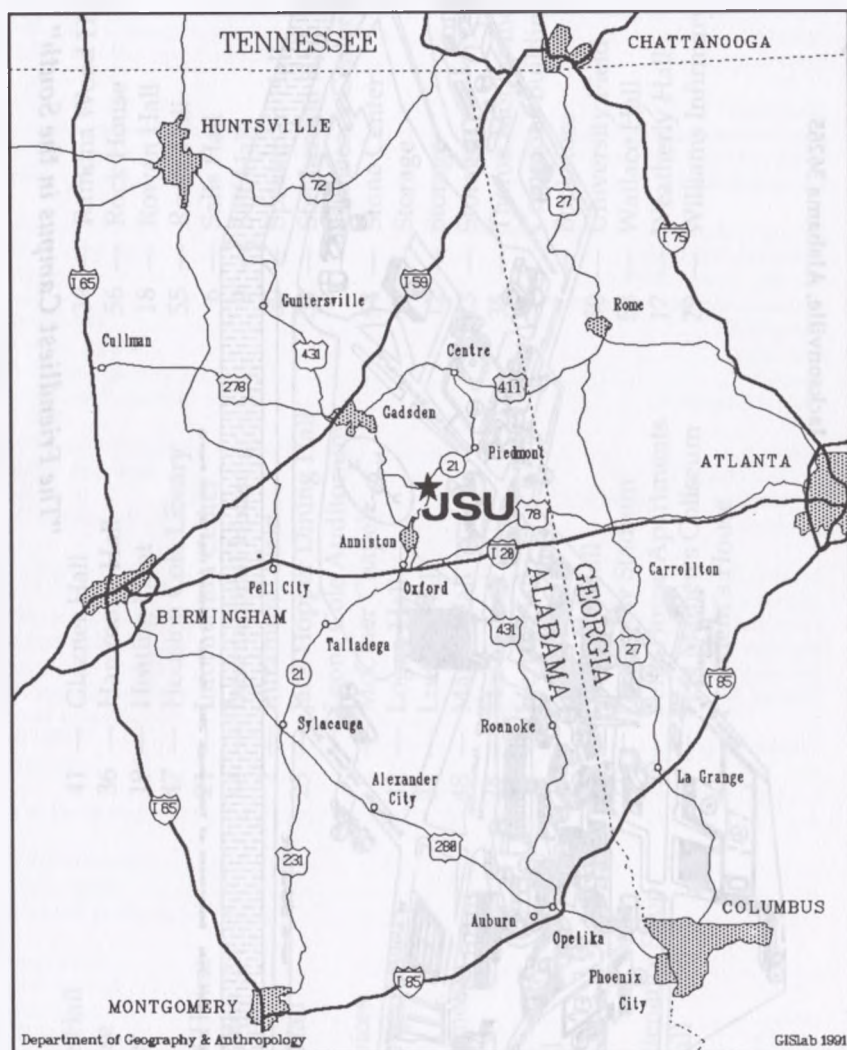


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